



National Institute of Technology Durgapur in Collaboration with Elsevier
organizing ScienceDirect cum Author Workshop on



Empowering Research with ScienceDirect, SD-AI, and Author Workshop Insights

Topics of discussion

- NIT-Durgapur's Research Landscape
- The Value of Research Metrics
- Screening relevant Journals
- Writing a Good Research Manuscript
- Elsevier's take on Gen AI
- What is new in ScienceDirect
- Introduction to ScienceDirect AI & Hands-on

Date: 17th July 2025

Time: 11 AM to 12:30 PM (IST)

Venue: NIT Durgapur

For more details: please contact at:
dmondal.ece@nitdgp.ac.in



Resource Person:

Nitin Ghoshal, PhD
Customer Success Manager
Elsevier – South Asia

Register Here

<https://forms.office.com/r/Xtwg8RURuC>



In today's world of information overload, researchers need the most **efficient and trusted route to relevant content**

Researchers and students need:



Access to trustworthy, interdisciplinary, peer-reviewed scientific literature.



A platform that can quickly provide them with relevant results and cut the noise.



A platform providing global visibility to their research.

"Being able to find all relevant information for my research has been amazing, finding one journal or book on said topic and finding others at ease is brilliant"

—
Graduate Student in Life Sciences, Ireland.

"I love the possibility to reach out the authors and ask additional questions or just exchange impressions and thoughts. I had the opportunity to do this sometimes and was amazing how it works."

—
Graduate student in Physical Sciences, Brazil

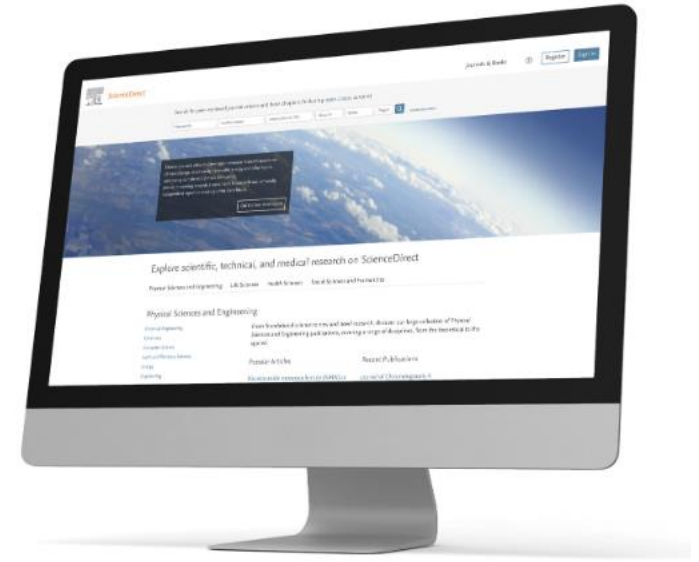
- Researchers are required to constantly filter out information that is either not relevant or authentic.
- This is exceptionally time-consuming and lengthens their research workflow. It impacts the overall quality of education, research output and outcomes for an institution and student experience.



ScienceDirect

Researchers and students worldwide rely on authoritative and trusted information from Elsevier about the world's most pressing research and discovery questions.

- Develop foundational knowledge
- Explore fields of research, methods and materials
- Expand subject matter expertise
- Inform new ideas
- Stay up-to-date
- Gain in-depth insights into unfamiliar, emerging topics



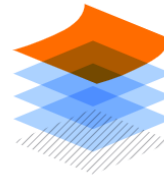
>23m articles



>3000 peer-reviewed journals



>48k eBooks



430k topic pages

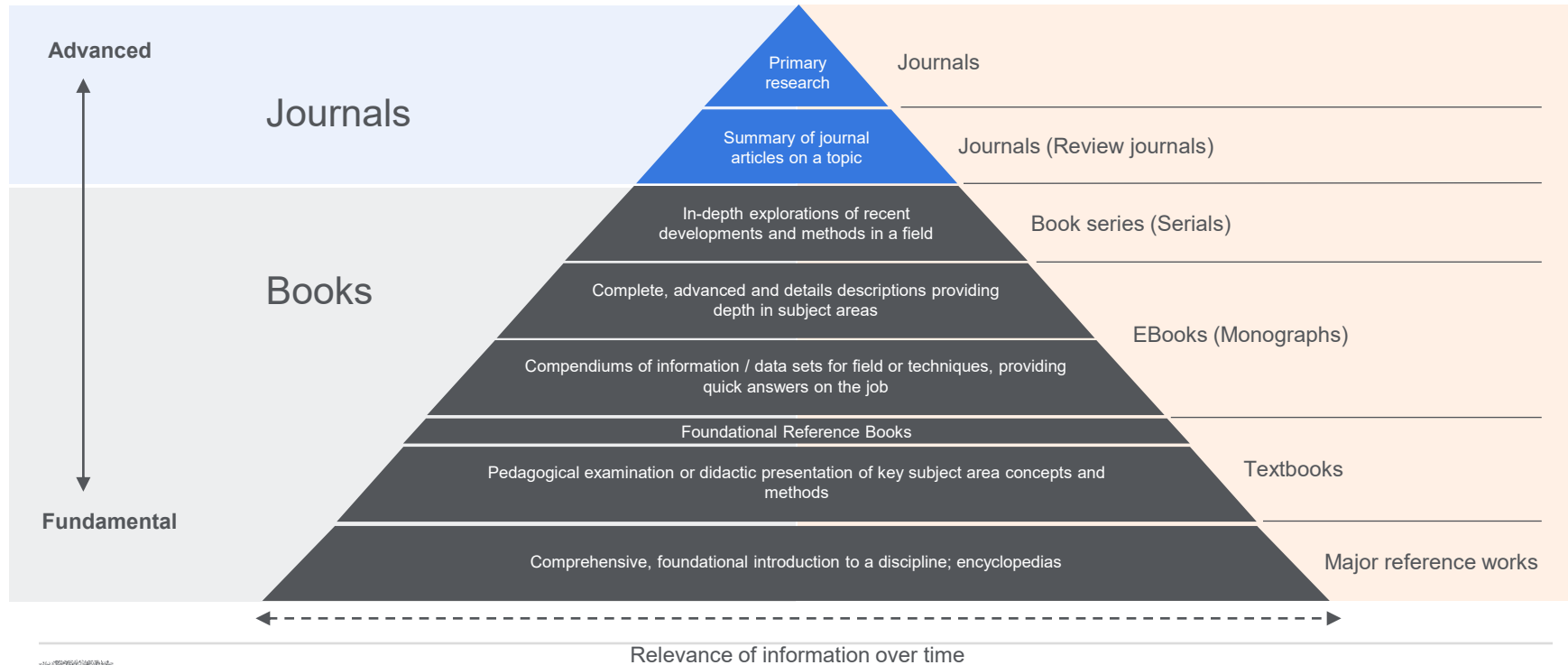


>890 open access publications

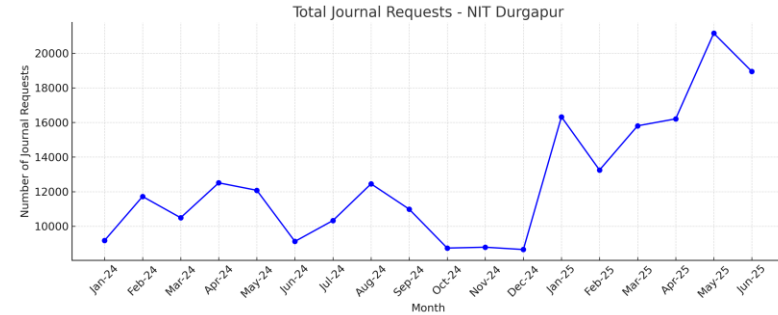


>3.8M open access articles

ScienceDirect supports all stages of research and learning

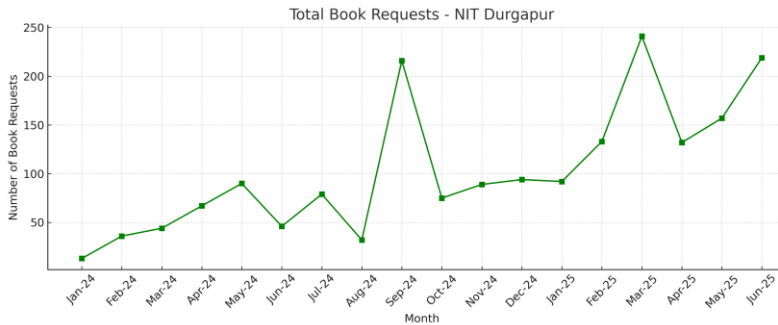


ScienceDirect Usage



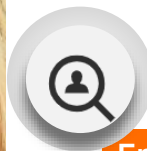
Journal Requests

- **Strong growth** in 2025: from **8,651 (Dec '24)** to **21,154 (May '25)**
- **Highest usage** in May '25 — a 145% increase.
- **Bounce back** after dip in late 2024 shows renewed interest.



Book Requests

- Requests grew steadily from **44 (Mar '24)** to **219 (Jun '25)**.
- Notable spikes in **Sep '24** and **Mar '25**.
- Sustained engagement in 2025, all months >130 requests.



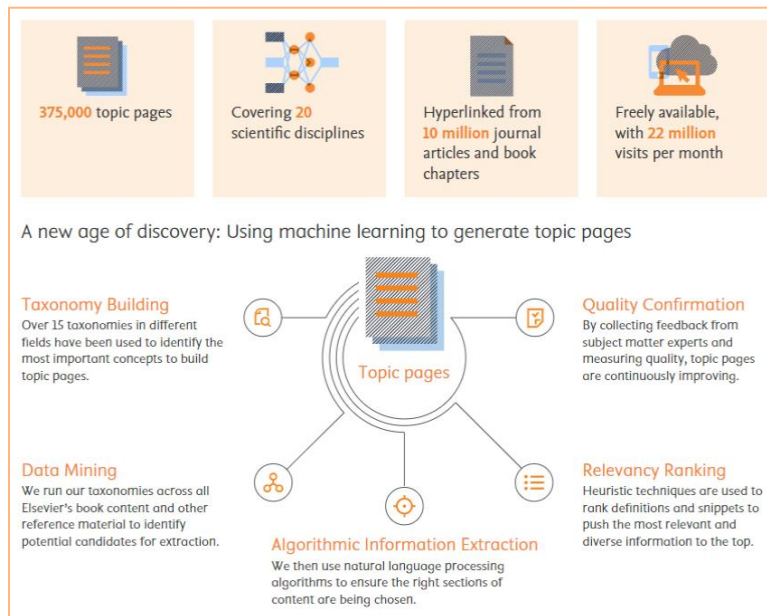
Enhancing Fundamental Knowledge on ScienceDirect with

- AI-powered Topic Pages
- Citation Context
- Images shown in search results
- Auto-suggestions to improve keyword search

ScienceDirect Topics expand your knowledge with foundational content

Using **artificial intelligence**, **machine learning algorithms** and **natural language processing tools**, topic pages build a bridge between **book and journal** content to surface comprehensive, interdisciplinary knowledge that answers research questions, deepens users' understanding of a specific topic and fosters getting up to speed

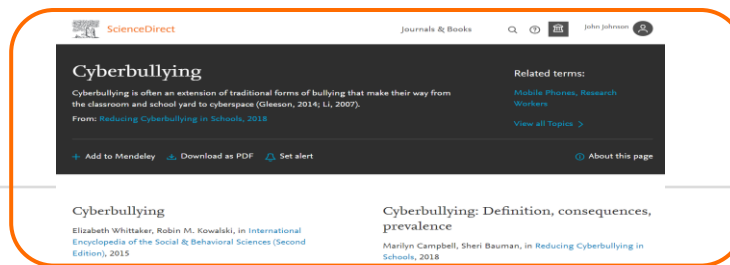
- **430,000+** pages across **20** subject areas, hyperlinked from **10 million** journal articles
- Over **22 million** visits per month, **2nd** most visited after article pages



1. Introduction

Problematic internet use (PIU) is a fundamental contributor to prolonged screen-time, elevating the odds of mental and socioemotional difficulties among teenagers (Oswald et al., 2020), and associated with a wide spectrum of risky online activities, encompassing but not limited to **cyberbullying**, internet pornography, and internet fraud (Chao et al., 2020), of which cyberbullying is in the focus of the present study. The prevalence

ELSEVIER



ScienceDirect Topics expand your knowledge with foundational content

You'll see

- A short definition
- Related terms
- Excerpts from relevant book content

Add to Mendeley, download as PDF or set an alert to save your sources and unlock critical and contextual information to find the answers you need.

The screenshot shows the ScienceDirect Topics page for 'Cyberbullying'. The page has a dark background with orange highlights. The main title 'Cyberbullying' is at the top. Below it, a short definition is provided: 'Cyberbullying is often an extension of traditional forms of bullying that make their way from the classroom and school yard to cyberspace (Gleeson, 2014; Li, 2007). From: Reducing Cyberbullying in Schools, 2018'. To the right, a 'Related terms' box lists: 'Cyberstigmatization, Systematic Review, Smartphone Addiction, Smartphone, Self-Esteem, Imbalance, Social Networking Site'. Below the definition, there are links to 'Add to Mendeley', 'Download as PDF', and 'Set alert'. At the bottom, there are two sections: 'Advances in the cyberbullying literature: theory-based interventions' and 'Cyberbullying in Context'. The first section lists a book chapter by Christopher P. Barlett and Luke W. Seyfert. The second section provides an abstract of the book chapter.

Cyberbullying

Cyberbullying is often an extension of traditional forms of bullying that make their way from the classroom and school yard to cyberspace (Gleeson, 2014; Li, 2007).
From: *Reducing Cyberbullying in Schools*, 2018

Related terms:
Cyberstigmatization, Systematic Review, Smartphone Addiction, Smartphone, Self-Esteem, Imbalance, Social Networking Site
[View all Topics](#)

[Add to Mendeley](#) [Download as PDF](#) [Set alert](#) [About this page](#)

Advances in the cyberbullying literature: theory-based interventions

Christopher P. Barlett, ... Luke W. Seyfert, in *Child and Adolescent Online Risk Exposure*, 2021

Abstract
Cyberbullying perpetration and victimization have emerged as a...

Cyberbullying in Context

Christopher Paul Barlett PhD, in *Predicting Cyberbullying*, 2019

Abstract
Cyberbullying perpetration is a pervasive social behavior that can cause many negative psychological, behavioral, and health outcomes for cyberbullying victims. Research has shown that cyberbullying...

If you're using Google or another search engine to get more information about a term, just enter the term and ScienceDirect, and it comes up. With enhanced taxonomy across all 20 Topic domains, Topic pages are available for many disciplines including:

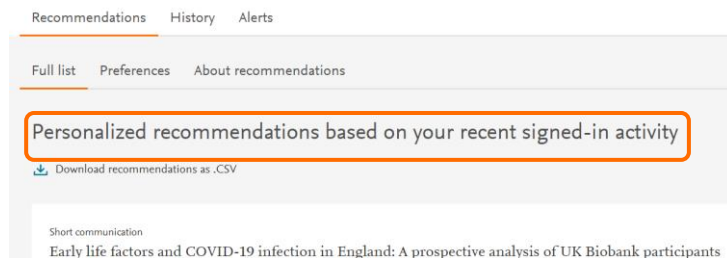
- Computer Science
- Engineering
- Mathematics
- Physics and Astronomy
- Economics, Econometrics and Finance
- Food Science
- Materials Science and Materials Engineering
- Earth and Environmental Sciences
- Psychology
- Social Sciences

Stay signed in to get personalized recommendations

You can prevent information overload by staying signed in while you browse and search in ScienceDirect. Personalized recommendations will make your research more effective. The more you interact with ScienceDirect while signed in, the more precise and relevant the recommendations become.

Let us help you direct the right content to you when and where you need it during your research process. We'll use machine learning and your online activity to suggest content tailored specifically to your needs.

On the homepage, click on your name and then '**My recommendations**' to see what our adaptive algorithm has found for you.



My recommendations offers you a complete list of recommended research content each week, delivered to you via email.

Get the context of a citation immediately from the “Cited by” section of the article page

Cited by (26)

[Insect Neurobiology: An Eye to Forward Motion](#)

2017, Current Biology

Show abstract ✓

[Comparative approaches to escape](#)

2016, Current Opinion in Neurobiology

Show abstract ✓

[Visual motion processing subserving behavior in crabs](#)

2016, Current Opinion in Neurobiology

Show abstract ✓

[Organization of columnar inputs in the third optic ganglion of a highly visual crab](#)

2014, Journal of Physiology Paris

Citation Excerpt :

...Alternatively, the neuron in Fig. 3M arborizes at two strata, Li1 and Li3 (arrowheads). This neural pattern of branching closely resembles that of a transmedullar neuron we have previously recorded electrophysiologically and stained intracellularly (Berón de Astrada et al., 2013). The cell body of the neuron was located above the medulla and possessed fine branches in a proximal layer of this neuropile....

Show abstract ✓

Citation Excerpt :

...Alternatively, the neuron in Fig. 3M arborizes at two strata, Li1 and Li3 (arrowheads). This neural pattern of branching closely resembles that of a transmedullar neuron we have previously recorded electrophysiologically and stained intracellularly (Berón de Astrada et al., 2013). The cell body of the neuron was located above the medulla and possessed fine branches in a proximal layer of this neuropile....



Enhancing Fundamental Knowledge

- Saving users time when trying to understand the context of a citation by providing all information on one page makes turnaways more valuable and powerful.



Easily search for relevant images from keyword search

Find articles with these terms

associative learning

Advanced search

861,636 results

Set search alert

Refine by:

Years

☐ 2024 (5)

☐ 2023 (16,156)

☐ 2022 (79,329)

Show more

Article type

☐ Review articles (77,867)

☐ Research articles (582,340)

☐ Encyclopedia (12,663)

☐ Book chapters (66,893)

Show more

☐ Download selected articles [Export](#)

☐ Research article • Full text access

1 The relationship between multisensory associative learning and multisensory integration
Neuropsychologia, 22 July 2022, ...
Sébastien A. Lauzon, Arin E. Abraham, ... Ryan A. Stevenson

[View PDF](#) [Abstract](#) [Extracts](#) [Figures](#) [Export](#)

☐ Research article • Open access

2 Taste-immune associative learning amplifies immunopharmacological effects and attenuates disease progression in a rat glioblastoma model
Brain, Behavior, and Immunity, 14 September 2022, ...
Susann Hetze, Lennart Barthel, ... Martin Hadamitzky

[View PDF](#) [Abstract](#) [Graphical Abstract](#) [Extracts](#) [Figures](#) [Export](#)

Get a personalized search experience
Recommendations, reading history, search & journals alerts, and more registration benefits.

[Personalize](#)

Find articles with these terms

associative learning

Advanced search

☐ Download selected articles [Export](#)

☐ Research article • Full text access

1 The relationship between multisensory associative learning and multisensory integration
Neuropsychologia, 22 July 2022, ...
Sébastien A. Lauzon, Arin E. Abraham, ... Ryan A. Stevenson

[View PDF](#) [Abstract](#) [Extracts](#) [Figures](#) [Export](#)

☐ Research article • Open access

2 Taste-immune associative learning amplifies immunopharmacological effects and attenuates disease progression in a rat glioblastoma model
Brain, Behavior, and Immunity, 14 September 2022, ...
Susann Hetze, Lennart Barthel, ... Martin Hadamitzky

[View PDF](#) [Abstract](#) [Graphical Abstract](#) [Extracts](#) [Figures](#) [Export](#)

Taste-immune Associative Learning

New tests

100 % Rapamycin

10 % Rapamycin

10 % Rapamycin

10 % Rapamycin

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

Figure 9

Figure 10

Figure 11

Figure 12

Figure 13

Figure 14

Figure 15

Figure 16

Figure 17

Figure 18

Figure 19

Figure 20

Figure 21

Figure 22

Figure 23

Figure 24

Figure 25

Figure 26

Figure 27

Figure 28

Figure 29

Figure 30

Figure 31

Figure 32

Figure 33

Figure 34

Figure 35

Figure 36

Figure 37

Figure 38

Figure 39

Figure 40

Figure 41

Figure 42

Figure 43

Figure 44

Figure 45

Figure 46

Figure 47

Figure 48

Figure 49

Figure 50

Figure 51

Figure 52

Figure 53

Figure 54

Figure 55

Figure 56

Figure 57

Figure 58

Figure 59

Figure 60

Figure 61

Figure 62

Figure 63

Figure 64

Figure 65

Figure 66

Figure 67

Figure 68

Figure 69

Figure 70

Figure 71

Figure 72

Figure 73

Figure 74

Figure 75

Figure 76

Figure 77

Figure 78

Figure 79

Figure 80

Figure 81

Figure 82

Figure 83

Figure 84

Figure 85

Figure 86

Figure 87

Figure 88

Figure 89

Figure 90

Figure 91

Figure 92

Figure 93

Figure 94

Figure 95

Figure 96

Figure 97

Figure 98

Figure 99

Figure 100

Figure 101

Figure 102

Figure 103

Figure 104

Figure 105

Figure 106

Figure 107

Figure 108

Figure 109

Figure 110

Figure 111

Figure 112

Figure 113

Figure 114

Figure 115

Figure 116

Figure 117

Figure 118

Figure 119

Figure 120

Figure 121

Figure 122

Figure 123

Figure 124

Figure 125

Figure 126

Figure 127

Figure 128

Figure 129

Figure 130

Figure 131

Figure 132

Figure 133

Figure 134

Figure 135

Figure 136

Figure 137

Figure 138

Figure 139

Figure 140

Figure 141

Figure 142

Figure 143

Figure 144

Figure 145

Figure 146

Figure 147

Figure 148

Figure 149

Figure 150

Figure 151

Figure 152

Figure 153

Figure 154

Figure 155

Figure 156

Figure 157

Figure 158

Figure 159

Figure 160

Figure 161

Figure 162

Figure 163

Figure 164

Figure 165

Figure 166

Figure 167

Figure 168

Figure 169

Figure 170

Figure 171

Figure 172

Figure 173

Figure 174

Figure 175

Figure 176

Figure 177

Figure 178

Figure 179

Figure 180

Figure 181

Figure 182

Figure 183

Figure 184

Figure 185

Figure 186

Figure 187

Figure 188

Figure 189

Figure 190

Figure 191

Figure 192

Figure 193

Figure 194

Figure 195

Figure 196

Figure 197

Figure 198

Figure 199

Figure 200

Figure 201

Figure 202

Figure 203

Figure 204

Figure 205

Figure 206

Figure 207

Figure 208

Figure 209

Figure 210

Figure 211

Figure 212

Figure 213

Figure 214

Figure 215

Figure 216

Figure 217

Figure 218

Figure 219

Figure 220

Figure 221

Figure 222

Figure 223

Figure 224

Figure 225

Figure 226

Figure 227

Figure 228

Figure 229

Figure 230

Figure 231

Figure 232

Figure 233

Figure 234

Figure 235

Figure 236

Figure 237

Figure 238

Figure 239

Figure 240

Figure 241

Figure 242

Figure 243

Figure 244

Figure 245

Figure 246

Figure 247

Figure 248

Figure 249

Figure 250

Figure 251

Figure 252

Figure 253

Figure 254

Figure 255

Figure 256

Figure 257

Figure 258

Figure 259

Figure 260

Figure 261

Figure 262

Figure 263

Figure 264

Figure 265

Figure 266

Figure 267

Figure 268

Figure 269

Figure 270

Figure 271

Figure 272

Figure 273

Figure 274

Figure 275

Figure 276

Figure 277

Figure 278

Figure 279

Figure 280

Figure 281

Figure 282

Figure 283

Figure 284

Figure 285

Figure 286

Figure 287

Figure 288

Figure 289

Figure 290

Figure 291

Figure 292

Figure 293

Figure 294

Figure 295

Figure 296

Figure 297

Figure 298

Figure 299

Figure 300

Figure 301

Figure 302

Figure 303

Figure 304

Figure 305

Figure 306

Figure 307

Figure 308

Figure 309

Figure 310

Figure 311

Figure 312

Figure 313

Figure 314

Figure 315

Figure 316

Figure 317

Figure 318

Figure 319

Figure 320

Figure 321

Figure 322

Figure 323

Figure 324

Figure 325

Figure 326

Figure 327

Figure 328

Figure 329

Figure 330

Figure 331

Figure 332

Figure 333

Figure 334

Figure 335

Figure 336

Figure 337

Figure 338

Figure 339

Figure 340

Figure 341

Figure 342

Figure 343

Figure 344

Figure 345

Figure 346

Figure 347

Figure 348

Figure 349

Figure 350

Figure 351

Figure 352

Figure 353

Figure 354

Figure 355

Figure 356

Figure 357

Figure 358

Figure 359

Figure 360

Figure 361

Figure 362

Figure 363

Figure 364

Figure 365

Figure 366

Figure 367

Figure 368

Figure 369

Figure 370

Figure 371

Figure 372

Figure 373

Figure 374

Figure 375

Figure 376

Figure 377

Figure 378

Figure 379

Figure 380

Figure 381

Figure 382

Figure 383

Figure 384

Figure 385

Figure 386

Figure 387

Figure 388

Figure 389

Figure 390

Figure 391

Figure 392

Figure 393

Figure 394

Figure 395

Figure 396

Figure 397

Figure 398

Figure 399

Figure 400

Figure 401

Figure 402

Figure 403

Figure 404

Figure 405

Figure 406

Figure 407

Figure 408

Figure 409

Figure 410

Figure 411

Figure 412

Figure 413

Figure 414

Figure 415

Figure 416

Figure 417

Figure 418

Figure 419

Figure 420

Figure 421

Figure 422

Figure 423

Figure 424

Figure 425

Figure 426

Figure 427

Figure 428

Figure 429

Figure 430

Figure 431

Figure 432

Figure 433

Figure 434

Figure 435

Figure 436

Figure 437

Figure 438

Figure 439

Figure 440

Figure 441

Figure 442

Figure 443

Figure 444

Figure 445

Figure 446

Figure 447

Figure 448

Figure 449

Figure 450

Figure 451

Figure 452

Figure 453

Figure 454

Figure 455

Figure 456

Figure 457

Figure 458

Figure 459

Figure 460

Figure 461

Figure 462

Figure 463

Figure 464

Figure 465

Figure 466

Figure 467

Figure 468

Figure 469

Figure 470

Figure 471

Figure 472

Figure 473

Figure 474

Figure 475

Figure 476

Figure 477

Figure 478

Figure 479

Figure 480

Figure 481

Figure 482

Figure 483

Figure 484

Figure 485

Figure 486

Figure 487

Figure 488

Figure 489

Figure 490

Figure 491

Figure 492

Figure 493

Figure 494

Figure 495

Figure 496

Figure 497

Figure 498

Figure 499

Figure 500

Figure 501

Figure 502

Figure 503

Figure 504

Figure 505

Figure 506

Figure 507

Figure 508

Figure 509

Figure 510

Figure 511

Figure 512

Figure 513

Figure 514

Figure 515

Figure 516

Figure 517

Figure 518

Figure 519

Figure 520

Figure 521

Figure 522

Figure 523

Figure 524

Figure 525

Figure 526

Figure 527

Figure 528

Figure 529

Figure 530

Figure 531

Figure 532

Figure 533

Figure 534

Figure 535

Figure 536

Figure 537

Figure 538

Figure 539

Figure 540

Figure 541

Figure 542

Figure 543

Figure 544

Figure 545

Figure 546

Figure 547

Figure 548

Figure 549

Figure 550

Figure 551

Figure 552

Figure 553

Figure 554

Figure 555

Figure 556

Figure 557

Figure 558

Figure 559

Figure 560

Figure 561

Figure 562

Figure 563

Figure 564

Figure 565

Figure 566

Figure 567

Figure 568

Figure 569

Figure 570

Figure 571

Figure 572

Figure 573

Figure 574

Figure 575

Figure 576

Figure 577

Figure 578

Figure 579

Figure 580

Figure 581

Figure 582

Figure 583

Figure 584

Figure 585

Figure 586

Figure 587

Figure 588

Figure 589

Figure 590

Figure 591

Figure 592

Figure 593

Figure 594

Figure 595

Figure 596

Figure 597

Figure 598

Figure 599

Figure 600

Figure 601

Figure 602

Figure 603

Figure 604

Figure 605

Figure 606

Figure 607

Figure 608

Figure 609

Figure 610

Figure 611

Figure 612

Figure 613

Figure 614

Figure 615

Figure 616

Figure 617

Figure 618

Figure 619

Figure 620

Figure 621

Figure 622

Figure 623

Figure 624

Figure 625

Figure 626

Figure 627

Figure 628

Figure 629

Figure 630

Figure 631

Figure 632

Figure 633

Figure 634

Figure 635

Figure 636

Figure 637

Figure 638

Figure 639

Figure 640

Figure 641

Figure 642

Figure 643

Figure 644

Figure 645

Figure 646

Figure 647

Figure 648

Figure 649

Figure 650

Figure 651

Figure 652

Figure 653

Figure 654

Figure 655

Figure 656

Figure 657

Figure 658

Figure 659

Figure 660

Figure 661

Figure 662

Figure 663

Figure 664

Figure 665

Figure 666

Figure 667

Figure 668

Figure 669

Figure 670

Figure 671

Figure 672

Figure 673

Figure 674

Figure 675

Figure 676

Figure 677

Figure 678

Figure 679

Figure 680

Figure 681

Figure 682

Figure 683

Figure 684

Figure 685

Figure 686

Figure 687

Figure 688

Figure 689

Figure 690

Figure 691

Figure 692

Figure 693

Figure 694

Figure 695

Figure 696

Figure 697

Figure 698

Figure 699

Figure 700

Figure 701

Figure 702

Figure 703

Figure 704

Figure 705

Figure 706

Figure 707

Figure 708

Figure 709

Figure 710

Figure 711

Figure 712

Figure 713

Figure 714

Figure 715

Figure 716

Figure 717

Figure 718

Figure 719

Figure 720

Figure 721

Figure 722

Figure 723

Figure 724

Figure 725

Figure 726

Figure 727

Figure 728

Figure 729

Figure 730

Figure 731

Figure 732

Figure 733

Figure 734

Figure 735

Figure 736

Figure 737

Figure 738

Figure 739

Figure 740

Figure 741

Figure 742

Figure 743

Figure 744

Figure 745

Figure 746

Figure 747

Figure 748

Figure 749

Figure 750

Figure 751

Figure 752

Figure 753

Figure 754

Figure 755

Figure 756

Figure 757

Figure 758

Figure 759

Figure 760

Figure 761

Figure 762

Figure 763

Figure 764

Figure 765

Figure 766

Figure 767

Figure 768

Figure 769

Figure 770

Figure 771

Figure 772

Figure 773

Figure 774

Figure 775

Figure 776

Figure 777

Figure 778

Figure 779

Figure 780

Figure 781

Figure 782

Figure 783

Figure 784

Figure 785

Figure 786

Figure 787

Figure 788

Figure 789

Figure 790

Figure 791

Figure 792

Figure 793

Figure 794

Figure 795

Figure 796

Figure 797

Figure 798

Figure 799

Figure 800

Figure 801

Figure 802

Figure 803

Figure 804

Figure 805

Figure 806

Figure 807

Figure 808

Figure 809

Figure 810

Figure 811

Figure 812

Figure 813

Figure 814

Figure 815

Figure 816

Figure 817

Figure 818

Figure 819

Figure 820

Get quick and authoritative keyword search results within the platform

Conclusions

Columnar neurons from the second optic neuropil are likely the main plastic locus responsible for the modifications in animal behavior when confronted with rapidly repeated object motion. Our results demonstrate that visually guided behaviors can be determined by neural plasticity that occurs surprisingly early in the visual pathway.

[Previous article in issue](#)

[Next article in issue](#)

Introduction

Motion vision provides essential cues for a wide variety of animal behaviors. It originated to fulfill two essentially distinct behavioral tasks. One task, which is based on the analysis of panoramic optic flow, is to inform the animal about its own movements. The other task, which is based on the processing of focal motion cues, is to allow the animal to know about the movement of prey, predators, and conspecifics. Because animal navigation imply sustained analysis of the optic flow, the visual processing involved in this task shows little change upon repeated or continuous stimulation. In contrast, behavioral and neuronal responses to repeated object motion often show fast and profound decline. Such decline, in the form of either habituation [1] or more-complex associative learning processes [2], represents constitutive mechanisms of an animal's adaptability [3].

The arthropod neural systems that have been investigated intensively and that are used to investigate object or target visual search are those that contains figure detection (FD) cells in the blowfly [4]; the system that contains small target

Search

Copy

Find articles with these terms

associative learning

Advanced search

861,636 results

Set search alert

Refine by:

Years

- ☐ 2024 (5)
- ☐ 2023 (16,156)
- ☐ 2022 (79,329)

Show more

Article type

- ☐ Review articles (77,867)
- ☐ Research articles (582,340)
- ☐ Encyclopedia (12,663)
- ☐ Book chapters (66,893)

Show more

☐ Download selected articles [Export](#)

☐ Research article [Full text access](#)

1 The relationship between multisensory associative learning and multisensory integration
Neuropsychologia, 22 July 2022, ...
Sébastien A. Lauzon, Arin E. Abraham, ... Ryan A. Stevenson
[View PDF](#) [Abstract](#) [Extracts](#) [Figures](#) [Export](#)

☐ Research article [Open access](#)

2 Taste-immune associative learning amplifies immunopharmacological effects and attenuates disease progression in a rat glioblastoma model
Brain, Behavior, and Immunity, 14 September 2022, ...
Susann Hetze, Lennart Barthel, ... Martin Hadamitzky
[View PDF](#) [Abstract](#) [Graphical Abstract](#) [Extracts](#) [Figures](#) [Export](#)

Get a personalized search experience
Recommendations, reading history, search & journals alerts, and more registration benefits.

[Personalize](#)



Enhancing Fundamental Knowledge

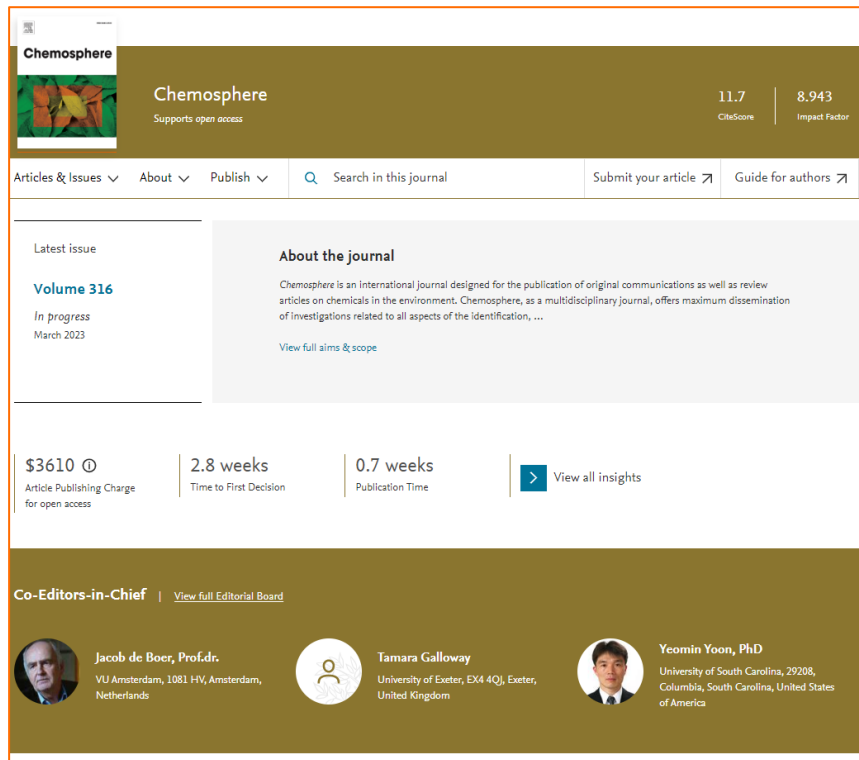
- Users can select any keyword or text to get quick and authoritative search results
- The user's next move is anticipated and their need to visit other platforms is removed



Improving the Author Experience with

- User centric Journal pages
- Journal Recommendation Tool
- Journal Insights Page
- Call for Papers on a single page

Get enhanced information about journals and their articles



The screenshot shows the Chemosphere journal homepage. At the top, the journal logo and name are displayed, along with the CiteScore (11.7) and Impact Factor (8.943). Below this, there are navigation links for 'Articles & Issues', 'About', 'Publish', and a search bar. The 'Latest issue' section highlights 'Volume 316' from March 2023. The 'About the journal' section describes the journal's focus on environmental chemistry. A table at the bottom provides key metrics: Article Publishing Charge for open access (\$3610), Time to First Decision (2.8 weeks), and Publication Time (0.7 weeks). The 'Co-Editors-in-Chief' section lists three editors: Jacob de Boer, Prof.dr. (VU Amsterdam), Tamara Galloway (University of Exeter), and Yeomin Yoon, PhD (University of South Carolina).

Chemosphere
Supports open access

CiteScore 11.7
Impact Factor 8.943

Articles & Issues ▾ About ▾ Publish ▾ Search in this journal Submit your article ↗ Guide for authors ↗

Latest issue
Volume 316
In progress
March 2023

About the journal
Chemosphere is an International Journal designed for the publication of original communications as well as review articles on chemicals in the environment. Chemosphere, as a multidisciplinary journal, offers maximum dissemination of investigations related to all aspects of the identification, ...
[View full aims & scope](#)


\$3610
Article Publishing Charge for open access


2.8 weeks
Time to First Decision


0.7 weeks
Publication Time

[View all insights](#)

Co-Editors-in-Chief | [View full Editorial Board](#)

 **Jacob de Boer, Prof.dr.**
VU Amsterdam, 1081 HV, Amsterdam, Netherlands

 **Tamara Galloway**
University of Exeter, EX4 4QJ, Exeter, United Kingdom

 **Yeomin Yoon, PhD**
University of South Carolina, 29208, Columbia, South Carolina, United States of America

Articles

Latest published Articles in press Top cited Most downloaded Most popular

- | | | | |
|---|---|--|---|
| <p>Research article • Full text access</p> <p><u>An economic, self-supporting, robust and durable LiFe_2O_3 anode for sulfamethoxazole degradation</u></p> <p>Dongdong Zhu, ... Di-Hua Wang
March 2023</p> <p>Download PDF</p> | <p>Research article • Full text access</p> <p><u>Effect and mechanism of norfloxacin removal by guava leaf extract in the $\text{ZVI}/\text{H}_2\text{O}_2$ system</u></p> <p>Balzhou Lu, ... Jinhua Wu
March 2023</p> <p>Download PDF</p> | <p>Research article • Full text access</p> <p><u>An immobilization of aminopropyl trimethoxysilane-phenanthrene carbaldehyde on graphene oxide for toluene extraction and separation in water samples</u></p> <p>Shahnaz Telmoori, ... Nabilollah Mansouri
March 2023</p> <p>Download PDF</p> | <p>Research article • Full text access</p> <p><u>Ecotoxicity induced by total, water soluble and insoluble components of atmospheric fine particulate matter exposure in <i>Caenorhabditis elegans</i></u></p> <p>Xiaoming Liu, ... Junfeng Wang
March 2023</p> <p>Download PDF</p> |
| <p>Research article • Full text access</p> <p><u>Natural phenol-inspired porous polymers for efficient removal of tetracycline: Experimental and engineering analysis</u></p> <p>Yunlong Liu, ... Zhenwu Kong
March 2023</p> <p>Download PDF</p> | <p>Research article • Full text access</p> <p><u>The effects of mercury exposure on Amazonian fishes: An investigation of potential biomarkers</u></p> <p>José Cavalcante Souza Vieira, ... Pedro de Magalhães Padilha
March 2023</p> <p>Download PDF</p> | <p>Research article • Full text access</p> <p><u>Tailoring enzymatic loading capacity on CdS nanorods@ZnIn_2S_4 nanosheets 1D/2D heterojunctions: Toward ultrasensitive photoelectrochemical bioassay of tobramycin</u></p> <p>Rui Hu, ... Jiu-Ju Feng
March 2023</p> <p>Download PDF</p> | <p>Research article • Full text access</p> <p><u>Synergism of Fe and Al salts for the coagulation of dissolved organic matter: Structural developments of Fe/Al-organic matter associations</u></p> <p>Kai-Yue Chen, ... Yu-Min Tzou
March 2023</p> <p>Download PDF</p> |

[Read latest issue](#)



Improving Author Experience

- Journal pages with improved aesthetics, including customisable color that matches the journal
- Information about journal metrics and Editorial boards
- Latest published, top cited, most downloaded and most popular articles listed help end-users stay up to date Journal and Article-related information

Find deeper insights about Journals through the Journals Insight Page



Improving Author Experience

- Find Key metrics and deeper insights about Journals with the new Journals Insights page.
- This feature enables end-users to make informed decisions about the Journal during their article submission process.

The screenshot shows the Chemosphere journal homepage. The main content area includes the journal title, a 'Latest issue' section for Volume 321 (April 2023), and a 'View all insights' button. The 'Insights' sidebar on the right provides detailed metrics: Article Publishing Charge for open access (\$3610*), Time to First Decision (2.8 weeks), and Publication Time (0.7 weeks). It also includes a description of the journal and a link to view historical data and other metrics.

The screenshot shows the Journals Insights page for Chemosphere. The page is divided into several sections: 'Journal Insights' (with a dropdown menu highlighting 'Journal insights'), 'Aims & scope', 'ISSN' (Online ISSN: 1879-1298 | Print ISSN: 0045-6535), 'Subject areas' (Environmental Science (General), Environmental Chemistry), 'Impact' (CiteScore 11.7, Impact Factor 8.943), 'Article publishing charge' (\$3610), 'Publishing timeline' (Time to First Decision 2.8 weeks, Publication Time 0.7 weeks), and 'Abstracting and indexing' (listing various databases like PubMed/Medline, Chemical Abstracts, etc.).

<https://www.sciencedirect.com/journal/chemosphere/about/insights>

Find all 'calls for papers' on a single page



More opportunities to publish your research: **Browse open Calls for Papers** beta

beta

Showing 2411 calls for papers for special issues

Filter by keyword

Refine calls for papers by

Domain



Subdomain



Freedom, Design and Evolution

Guest editors: Adrian Bejan, Umit Gunes, Umberto Lucia, Giulia Grisolia - Submission deadline: 5 November 2023
International Communications in Heat and Mass Transfer • Impact Factor 6.782 • CiteScore 6.8

Tetra-H wheat management: views from eco-physiologist and agronomist

Guest editors: Dong Jiong, Fulai Liu, Xiangnan Li, Xiao Wang - Submission deadline: 30 June 2023
Field Crops Research • Impact Factor 6.145 • CiteScore 10.5

László Markó Memorial special issue on Organometallic Chemistry

Guest editors: Rine Tannenbaum, László Kolár, Thomas Strasser - Submission deadline: 31 August 2023
Journal of Organometallic Chemistry • Impact Factor 2.345 • CiteScore 4.4

Call for Paper on Special Issue –Reaction Dynamics in Chemical and Biological Assemblies

Guest editors: Prof. Saptarshi Mukherjee - Submission deadline: 30 June 2023
Chemical Physics Impact • CiteScore 0.5

Data-driven Digital Transformation in Operations and Supply Chain Management

International Journal of Production Economics • Impact Factor 11.251 • CiteScore 14.3

Guidelines for Submission of Special Issue Proposals for International Business Review

International Business Review • Impact Factor 8.047 • CiteScore 9.9

Analytics for service reorganization

Guest editors: Sebastian Brollini, Antonio Diglio, Chiara Morlotti, Carmela Piccolo - Submission deadline: 31 December 2023
Socio-Economic Planning Sciences • Impact Factor 4.641 • CiteScore 6.7

Equity and Sustainability in the Health Care Market: Socio-Economic Analysis of Governance and Reforms (I)

Guest editors: Lucia Leporatti, Ching-To Albert Ma - Submission deadline: 30 October 2023
Socio-Economic Planning Sciences • Impact Factor 4.641 • CiteScore 6.7



Improving Author Experience

- Find all calls for papers on a single page, saving time spent visiting each journal
- Filter by domain and subdomains by applying a search filter.
- Helps authors find special issues of their interest to submit to

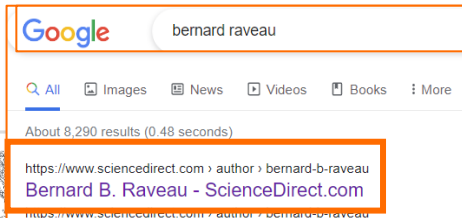
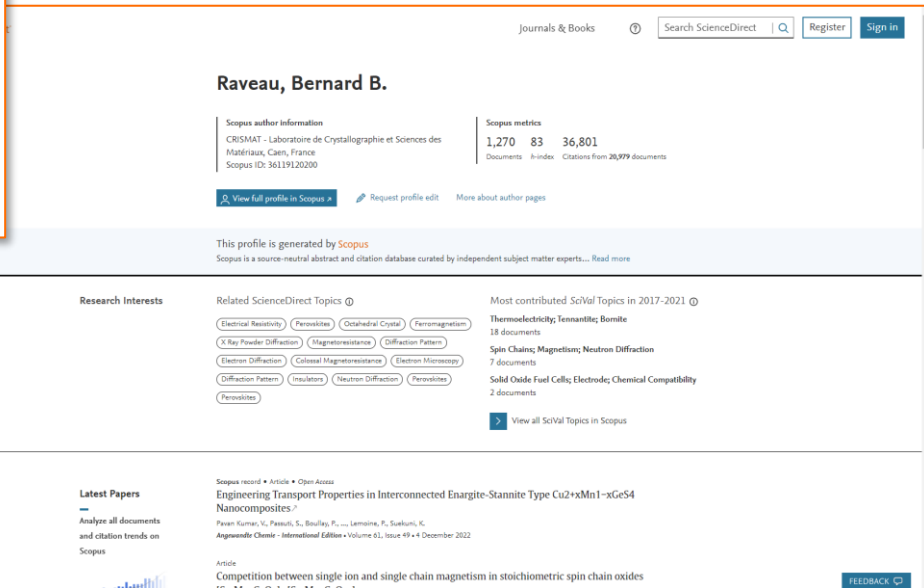
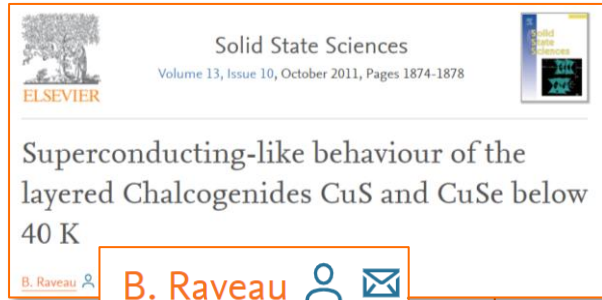


Easily find potential collaborators with integrated Scopus author profiles



Uncover valuable insights

- 30K+ Scopus author profiles released on ScienceDirect in the first half of 2023.
- The list has been jointly released annually by Elsevier and Shanghai Ranking Consultancy.
- Easily find collaborators, assess whether to read an article or benchmark against others
- Discoverable directly from author's name in ScienceDirect or via search engines



Partnering for faster research discovery and access

Users tell us that:

"The literature review is a very time-intensive process, searching multiple platforms to stay up to date can become overwhelming"

To solve this, Elsevier has partnered with leading publishers in a pilot to help **researchers find relevant academic papers more efficiently**

Researchers are now able to search and browse more than 100,000 articles in Organic Chemistry and Transportation from these participating publishers, alongside Elsevier's content on ScienceDirect.

Readers gain a more comprehensive discovery and have fewer steps between discovery and delivery

Authors benefit from having an increased reach of their published work

Librarians maximize their investments by providing entitled content for users in more places

150,000 articles from other publishers are available on ScienceDirect

Uncover valuable insights

- Save users time by enabling them to discover relevant multi-publisher content on ScienceDirect
- Help users stay up-to-date and minimize the risk of missing out on essential articles in their research area.



PARTNERS



**Access the journals
here**

90% of researchers think the pilot is a good idea
(n=3,783 ScienceDirect users)

Elsevier Product Insights for Customers (E-PIC)

WHY USE E-PIC?

Beyond COUNTER reports, E-PIC offers customers a free and unique view of your institution's engagement with Elsevier's expanding set of research content and tools.

It is meant for librarians, research leaders, and professionals who recognize the role of great content and tools in a successful research strategy. E-PIC is designed to support our customers making key decisions as they evaluate and improve research outcomes. It is the result of Elsevier's enduring focus on customer value and transparency.

Understanding the usage of tools and content, exploring gaps in your portfolio, gaining information to promote adoption of tools, and finding out where your institution is trending.

SIGNING IN

E-PIC can be accessed by administrative account holders using Elsevier credentials. As an administrator you can also provide others within your organisation with E-PIC access via the Admin Tool. e-pic.elsevier.com

NEED HELP

Find a question mark throughout E-PIC and click on it to get help, alternatively contact support: service.elsevier.com/app/contact/supporthub/E-PIC

ADMIN TOOL

The AdminTool will remain the application for account administration - empowering you to manage user privileges and access to Elsevier products. [Admin Tool Login Page \(elsevier.com\)](https://admin-tool-login-page.elsevier.com)



COUNTER Reports on E-PIC

Overview

Usage reporting as per COUNTER Code of Practice, Release 5 standards. Supplementary reports are customised reports using the COUNTER extensions

FAQs: elsevier.com/librarians/usage-reports/cop5-faqs

How to use

The COUNTER (COP5) Reports widget delivers the usage reports as per the standards of the COUNTER Code of Practice, Release 5. Low COUNTER's Fifth will pass the baton to librarians. The Code of Practice enables publishers and vendors to produce consistent and credible usage data. For more details about the supplementary reports, please refer to www.elsevier.com/librarians/usage-reports

Usage Reports

Title reports

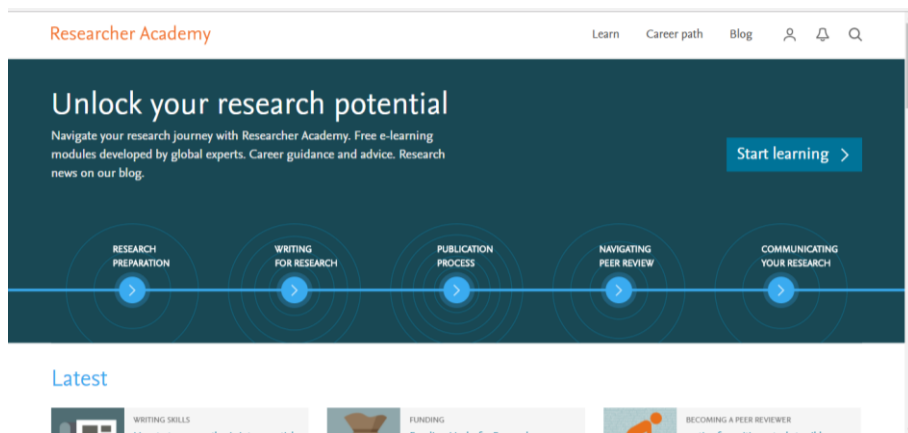
- TR Title Master Report
- TR_J1: Journal Requests (Excluding OA_Gold)
- TR_J2: Journal Access Denied
- TR_J3: Journal Usage by Access Type
- TR_J4: Journal Requests by YOP (Excluding OA_Gold)
- TR_B1: Book Requests (Excluding OA_Gold)
- TR_B2: Book Access Denied
- TR_B3: Book Usage by Access Type

Elsevier Researcher Academy: *Free Online Learning for Researchers*

<https://researcheracademy.elsevier.com/>

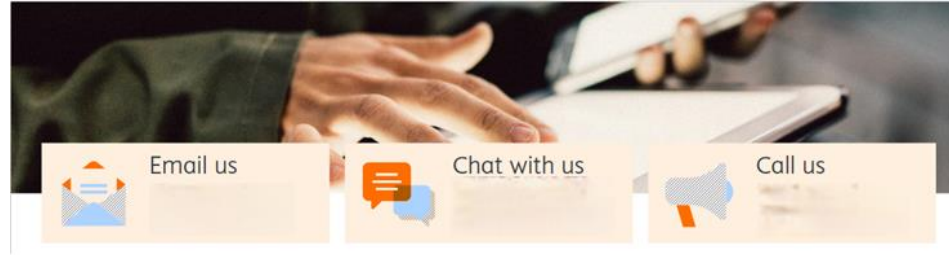
Navigate your research journey with Researcher Academy. Free e-learning modules developed by global experts

Career guidance and advice. Research news on our blog.



- | | | |
|--|--|---|
| ★ Certified Peer Reviewer Course | ★ Job search | <input type="checkbox"/> Career planning |
| <input type="checkbox"/> Ensuring visibility | <input type="checkbox"/> Funding | <input type="checkbox"/> The Lancet |
| <input type="checkbox"/> Going through peer review | ★ Fundamentals of manuscript preparation | ★ Technical writing skills |
| ★ Finding the right journal | ★ Becoming a peer reviewer | ★ Ethics |
| <input type="checkbox"/> Research collaborations | ★ Career guidance | <input type="checkbox"/> Cell Press |
| ★ Book writing | ★ Writing skills | <input type="checkbox"/> 释放您的研究潜能 |
| <input type="checkbox"/> Social impact | <input type="checkbox"/> Research data management | <input type="checkbox"/> 认证同行评议课程 |
| <input type="checkbox"/> Publishing in the Chemical Sciences | ★ Fundamentals of publishing | <input type="checkbox"/> Societies Publishing |
| <input type="checkbox"/> Open science | <input type="checkbox"/> Fundamentals of peer review | |

Support Center



Visit ScienceDirect [»](#) [🌐 Language | English](#) [▼](#)

ScienceDirect Support Center

[🌐 Current Language | English](#) [▼](#)

[All Topics](#) [▼](#)

[Search](#)



[Orders & Renewals](#)

[Access](#)

[Onboarding](#)

[Training](#)

[Using the product](#)

[Content](#)

[AI Features](#)

[New and updated FAQs](#)

[ELSEVIER](#)

News

- View the corporate ScienceDirect 2025 roadmap
- Learn about recent feature updates on ScienceDirect
- New and updated FAQs

Top 10 FAQs

1. How do I publish my article with Elsevier?
2. What are the technical requirements for ScienceDirect?
3. How do I create an Elsevier account?
4. How do I use the advanced search?

[Chat with us](#)

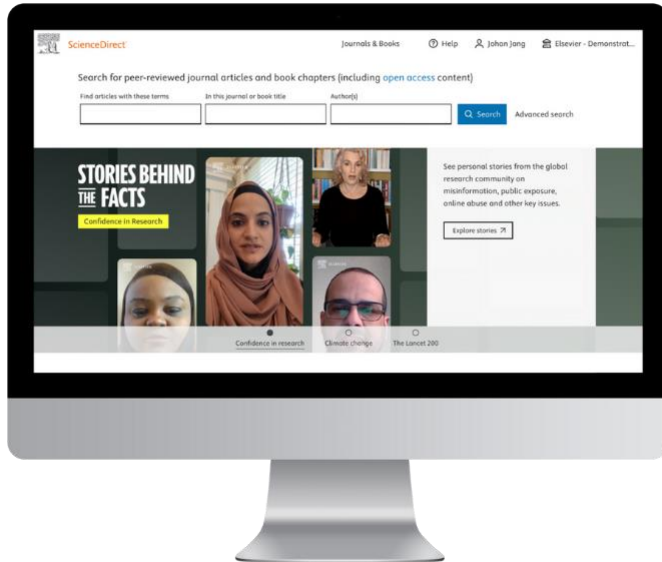


Write to us-

[Contact - ScienceDirect Support Center](#)

For more than 25 years,

Researchers trust ScienceDirect for its high-quality content, intuitive navigation, and continuously updated features.



“The digitization of science has significantly expanded research dissemination, accelerated the discovery and sharing of new knowledge. Over 25 years, ScienceDirect has evolved from a website hosting a few hundred journals to a global platform serving tens of millions of researchers every year. This success and our commitment to strive for excellence and innovation in scholarly publishing is fueled by the trust and usage of ScienceDirect within the research community. Together, we strive to advance science and enhance healthcare outcomes for a better world”

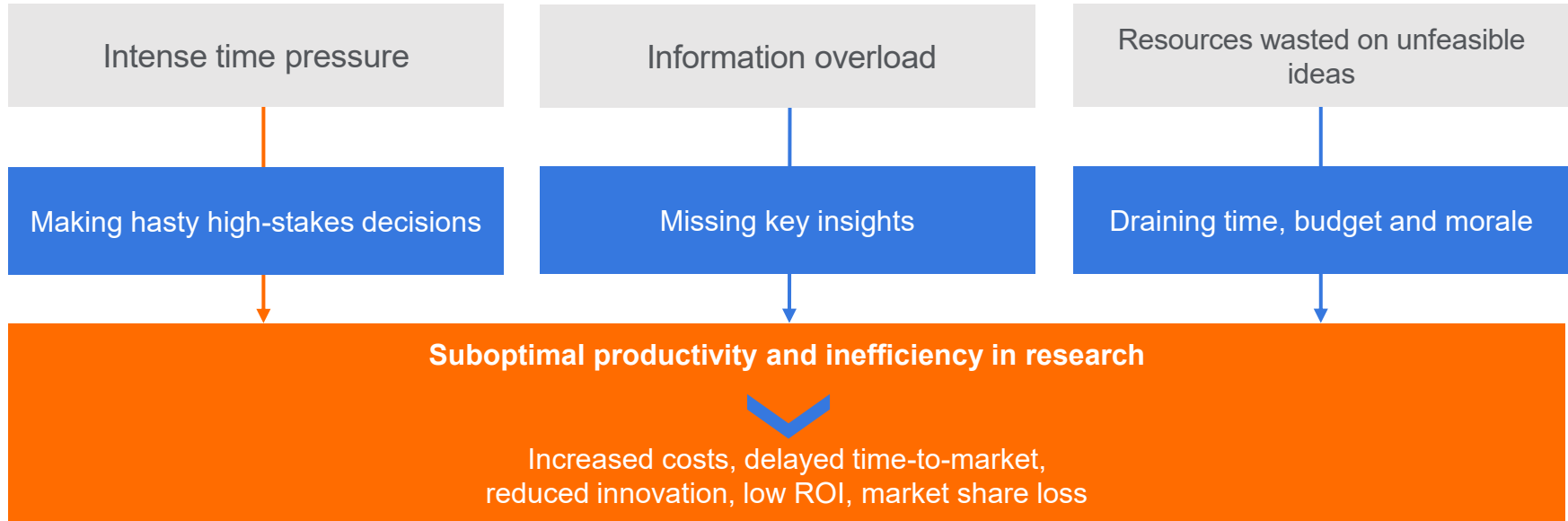


Rose L'Huillier

Senior Vice President, Researcher Products, Data Science and Analytics, at Elsevier

In the AI era, speed really matters, while inefficiencies hold us back.

Challenges facing R&D teams today





Now, we are taking
it to the next level
for you!

We understand your research needs and deliver
the most relevant and reliable solutions on ScienceDirect.



Eureka, every day.

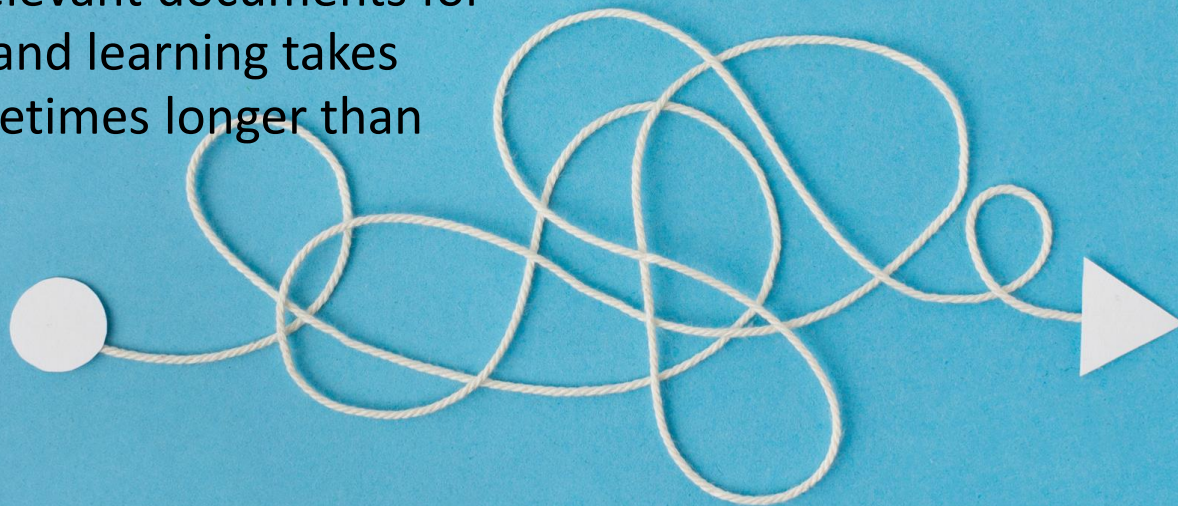
Accelerate Your Research with the World's Leading Peer-Reviewed Database, now with Generative AI.

Elsevier South Asia

First,

Finding relevant documents for
research and learning takes
time-sometimes longer than
expected.

We get it.



*Imagine sifting through
hundreds or even
thousands of articles and
book chapters to find the
most relevant insights.*

14hrs/wk

or 35%

Time spent by
researchers to discover
and read documents



Years

- ☐ 2026 (18)
- ☐ 2025 (32,267)
- ☐ 2024 (67,312)

Show more ▾

Article type ⓘ

- ☐ Review articles (32,850)
- ☐ Research articles (241,032)
- ☐ Encyclopedia (3,174)
- ☐ Book chapters (25,299)

Show more ▾

Publication title

- ☐ Engineering Applications of Artificial Intelligence (9,605)
- ☐ Procedia Computer Science (8,299)
- ☐ Neurocomputing (7,288)

Show more ▾

Subject areas

- ☐ Engineering (113,692)
- ☐ Computer Science (113,511)
- ☐ Medicine and Dentistry (64,278)

Show more ▾

Languages beta

- ☐ English (363,232)
- ☐ French (372)
- ☐ Spanish (279)

Show more ▾

Access type

- ☐ Open access & Open archive (96,295)

☐ Download selected articles Export Compare Experiments

sorted by relevance | date

☐ Research article • Open access

1 What percentage of secondary school students do their homework with the help of **artificial intelligence?** - A survey of attitudes towards **artificial intelligence**

Computers and Education: **Artificial Intelligence**, June 2025

Mátyás Turós, Róbert Nagy, Zoltán Szűts

View PDF Abstract ▾ Extracts ▾ Export ▾

☐ Research article • Full text access

2 Measuring the influence of transformational leadership on interplay between **artificial intelligence**, job meaningfulness and turnover intentions: Observations from Indian IT sector

Journal of Strategy & Innovation, May 2025

Rai Shweta, Aneesya Panicker

View PDF Abstract ▾ Extracts ▾ Figures ▾ Export ▾

☐ Research article • Full text access

3 Generative **artificial intelligence** in the activities of academic libraries of public universities in Poland

The Journal of Academic Librarianship, May 2025

Grzegorz Gmiterek, Sebastian D. Kotuła

View PDF Abstract ▾ Extracts ▾ Export ▾

☐ Research article • Open access

4 Is new technology always good? **Artificial intelligence** and corporate tax avoidance: Evidence from China

International Review of Economics & Finance, March 2025

Guimin Qu, Hao Jing

View PDF Abstract ▾ Extracts ▾ Export ▾

☐ Research article • Full text access

5 Standardization in **artificial general intelligence** model for education

Computer Standards & Interfaces, Available online 19 March 2025

Qiuxuan Xu, Yonghe Wu, ... Bowen Liu

View PDF Abstract ▾ Extracts ▾ Figures ▾ Export ▾

☐ Research article • Full text access

6 Examining the interaction between **artificial intelligence** literacy and individual entrepreneurial orientation in teacher candidates: The mediating role of sustainable development

The International Journal of Management Education, July 2025

Ebru Polat, Muhammed Zincirli, Erdal Zengin

View PDF Abstract ▾ Extracts ▾ Figures ▾ Export ▾

Suggested topics ⓘ

Artificial Intelligence

in Engineering

Artificial Intelligence

in Computer Science

Artificial Intelligence

in Social Sciences

Goodbye wasted
reading time.
Hello relevance.

Ask ScienceDirect AI



Most GenAI tools predict likely responses based on web data.
Not this one.

Get answers from millions of FULL TEXT, high quality peer reviewed articles and book chapters from ScienceDirect and open access content.



Ask in your own language!



Direct link to references used for your answer.



Ask ScienceDirect AI

Discover insights across publications [How it works](#)

Bakit nagiging mas mahalaga ang mga aklatan sa panahon ng AI?

Get answers

Show summary steps

Not happy with the summary? [Regenerate without optimization](#)

AI-generated content may vary in quality. Verify important information. [Learn more](#)

Summary answer

Bakit nagiging mas mahalaga ang mga aklatan sa panahon ng AI?

Mga Dahilan:

- Pagpapahusay ng Serbisyo:** Ang paggamit ng AI sa mga aklatan ay nagdudulot ng mas mabilis at mas epektibong access sa impormasyon, na nagreresulta sa mas mahusay na karanasan ng mga gumagamit (Blanco-Domingo & Tramullas, 2025), (Lawal, 2025).
- Pag-unlad ng Teknolohiya:** Ang mga aklatan ay nag-aangkop sa mga bagong teknolohiya tulad ng AI upang manatiling mahalaga sa digital na panahon. Ang mga teknolohiyang ito ay nagbibigay-daan sa mga aklatan na mag-alok ng mga personalized na serbisyo at mas mahusay na pamamahala ng impormasyon (Blanco-Domingo & Tramullas, 2025), (Danquah et al., 2024).

Reference preview



Library Software and Automation

Luis M. Blanco-Domingo, Jesús Tramullas
Encyclopedia of Libraries, Librarianship, and Information Science • 2025
[View article](#) ➤ [+ Add to My Library](#)

Answer found in section: "Future Trends"

The integration of artificial intelligence, virtual reality, data analytics, IoT, and other technologies will enable libraries to offer more efficient and personalized services. In addition, ubiquitous connectivity and access through mobile devices will open up new possibilities for learning and research (Gorman and Shep, 2018). These will enhance the user experience and ensure that libraries remain a critical access point to information and knowledge.

References from summary (7)

Sources of Information

Beverly Adams-Baptiste
Encyclopedia of Libraries, Librarianship, and Information Science • 2025
[View in My Library](#) ➤ [Copy](#)

Libraries are increasingly utilizing AI to enhance their services, necessitating librarians to continuously update their skills. This evolution highlights the essential role of libraries in educating users about the benefits and challenges of AI in research.

How relevant is this answer? ☆☆☆

Artificial intelligence implementation strategies for Ghanaian academic libraries: A scoping review
Monica Mensah Danquah, Perpetua Sekiyiwa Dadzie, ... Christian Yirenkyi Nyarko
The Journal of Academic Librarianship • 2024
[View in My Library](#) ➤ [Copy](#)

Academic libraries are adopting AI to provide innovative, technology-driven services. This shift is crucial for libraries, especially in developing countries, to enhance their relevance and minimize human interaction in information access.

How relevant is this answer? ☆☆☆

Ask ScienceDirect AI



Researchers can uncover deeper insights with AI-driven recommendations based on their questions.



^ Related insights (3)

The information age: Another giant step backward

Dennis B. Quinn

The Journal of Academic Librarianship • 1994

[+ Add to My Library](#) [Copy](#)

As libraries transition to computerized information repositories, there is a risk of dehumanizing knowledge. The reliance on computers for data management may overshadow the importance of human understanding in education.

How relevant is this answer? ☆ ☆ ☆

Librarianship in Africa

Stephen Akintunde

Encyclopedia of Libraries, Librarianship, and Information Science • 2025

[+ Add to My Library](#) [Copy](#)

The growing adoption of AI in libraries across Africa signifies a shift towards innovative service delivery, with institutions like the University of Johannesburg implementing AI-enhanced services to improve efficiency.

How relevant is this answer? ☆ ☆ ☆

Library Software, an Overview

Laurie N. Taylor

Encyclopedia of Libraries, Librarianship, and Information Science • 2025

[+ Add to My Library](#) [Copy](#)

Irrelevant section to the query. No summary provided.

How relevant is this answer? ☆ ☆ ☆

Ask ScienceDirect AI



ScienceDirect AI generates follow-up questions to spark deeper research and discovery.



Ask another question:

↳ Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya? ↗

↳ Anong papel ang ginagampanan ng mga aklatan sa pagbuo ng kritikal na pag-iisip sa AI? ↗

↳ Paano nagbabago ang mga serbisyo ng aklatan sa harap ng pag-usbong ng AI? ↗

Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya?

Get answers

Summary answer

Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya?

Mga Paraan ng Pagtulong ng Aklatan:

• Pagpapalaganap ng Kaalaman:

- Ang mga aklatan ay nagbibigay ng impormasyon tungkol sa AI, kabilang ang mga pangunahing konsepto, aplikasyon, at hinaharap na potensyal ng teknolohiya (Joiner, 2018).
- Ang mga aklatan ay maaaring magbigay ng mga instructional sessions at sagutin ang mga pangunahing tanong tungkol sa AI (Joiner, 2018).

• Pagsuporta sa Edukasyon at Pananaliksik:

- Ang mga aklatan sa unibersidad ay tumutulong sa mga estudyante at akademiko na maunawaan ang mga oportunidad at hamon na dala ng AI (Williams, 2025), (Williams, 2025).
- Ang mga aklatan ay nag-eeksperimento sa paggamit ng AI upang mapabuti ang kanilang mga serbisyo at sistema (Williams, 2025), (Williams, 2025).

Second,

Comparing and synthesizing literature can be a laborious task.

We get it.



Want to compare?
There's no comparison.

Compare Experiments



Compare results from Ask ScienceDirect AI.



Download the compare experiments in CSV format.

Compare experiments

AI-summarized research experiments or studies for:
"What are the potential applications of nanotechnology in medicine, such as targeted drug delivery, tissue engineering, and diagnostics?"
[How it works](#)

AI-generated content may vary in quality. Verify important information. [Learn more](#)

[Export table \(CSV\)](#)

ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION	FEEDBACK
Article Synthesis and characterization of silver nanoparticles using crystal compound of sodium para-hydroxybenzoate tetrahydrate isolated from <i>Vitex negundo</i> . L leaves and its apoptotic effect on human colon cancer cell lines » Prabhu Durai, Arulvasu Chinnasamy, ... Ashokkumar Thirunavukkarasu <i>European Journal of Medicinal Chemistry</i> - Volume 84 - 2014 Export data (CSV)	Synthesis and characterization of silver nanoparticles	To synthesize and characterize silver nanoparticles (AgNPs) using crystal compound of sodium para-hydroxybenzoate tetrahydrate (SPHT) isolated from <i>Vitex negundo</i> . L leaves and study its apoptotic effect on human colon cancer cell lines.	Sodium para-hydroxybenzoate tetrahydrate (SPHT), 1 mM silver nitrate (AgNO ₃) solution	5 ml of SPHT (10 mg/10 ml) was added to 95 ml of 1 mM AgNO ₃ aqueous solution and incubated for 2 h at room temperature. Synthesis of SPHT-AgNPs was confirmed by the existence of prominent peak at 430 nm and color change from colorless to dark brownish yellow. The in vitro stability of SPHT-AgNPs was analyzed by monitoring the plasmon wavelength (λ_{max}) and plasmon bandwidth ($\Delta\lambda$) in different temperatures (40, 60 and 80°C) and phosphate buffer solutions (pH 4, 5, 6, 8 and 9). The size, shape and morphology of SPHT-AgNPs were characterized using HRTEM, FESEM, EDAX, DLS and zeta potential analysis. FT-IR spectroscopy was used to examine the functional groups present in SPHT and SPHT-AgNPs.	The SPHT-AgNPs were spherical in shape with a size range of 26-39 nm. The hydroxyl and carboxylic functional groups from SPHT were responsible for the reduction and stabilization of AgNPs. The SPHT-AgNPs exhibited high in vitro stability in different temperatures and pH conditions.	The SPHT was an effective reducing, stabilizing and capping agent in the synthesis of AgNPs. The SPHT and SPHT-AgNPs showed inhibitory effects on the proliferation of human colon cancer cell lines HCT15 and HT-29, and induced apoptosis and cell cycle arrest.	How would you rate this summary? ☆☆☆
	Cell viability and apoptosis analysis	To evaluate the antiproliferative and apoptotic effects of SPHT and SPHT-AgNPs on human colon cancer cell lines HCT15 and HT-29.	Human colon cancer cell lines HCT15 and HT-29, MTT reagent, Annexin V-FITC/PI apoptosis detection kit	The inhibitory effects of SPHT and SPHT-AgNPs on HCT15 and HT-29 cells were determined by MTT assay. The cells were treated with different concentrations of SPHT and SPHT-AgNPs (2, 4, 6, 8 and 10 μ g/ml) for 24 and 48 h. The apoptosis induced by SPHT and SPHT-AgNPs was quantitatively assessed using Annexin V-FITC/PI staining and analyzed by flow cytometry. The cell cycle distribution was also analyzed by flow cytometry.	SPHT and SPHT-AgNPs induced a dose and time dependent inhibition of HCT15 and HT-29 cell proliferation. The IC ₅₀ values of SPHT on HCT15 and HT29 were 4 μ g/ml and 2 μ g/ml respectively at 48 h, while for SPHT-AgNPs the IC ₅₀ values were 8 μ g/ml and 6 μ g/ml respectively at 24 h. The Annexin V-FITC/PI staining showed that SPHT-AgNPs induced a higher percentage of early and late apoptotic cells compared to SPHT. The cell cycle analysis revealed that SPHT and SPHT-AgNPs induced cell cycle arrest in the G ₀ /G ₁ phase.	SPHT and SPHT-AgNPs exhibited potent antiproliferative and apoptotic effects on human colon cancer cell lines HCT15 and HT-29. SPHT-AgNPs showed higher cytotoxic activity compared to SPHT.	How would you rate this summary? ☆☆☆
Article Investigating the cytotoxicity of iron oxide nanoparticles in vivo and in vitro studies » Sarieh Ghosempour, Mohammad Ali Shokrozar, ... Mohsen Alipour <i>Experimental and Toxicologic Pathology</i> - Volume 67 - 2015 Export data (CSV)	In vitro cell viability study	To evaluate the cytotoxicity of 200 and 400 μ g/ml modified and non-modified iron oxide nanorods on mouse fibroblast (L929) cells	L929 mouse fibroblast cells, Dulbecco's Modified Eagle Medium (DMEM), Fetal Bovine Serum (FBS), iron oxide nanorods	L929 cells were seeded in 96-well plates and exposed to 200 and 400 μ g/ml of modified and non-modified iron oxide nanorods for 24 hours. Cell viability was assessed using the MTT assay.	Exposure to all concentrations of modified and non-modified nanorods significantly decreased cell viability compared to control. Increasing the concentration of non-modified nanorods from 200 to 400 μ g/ml significantly increased cell viability.	Modified nanorods had lower cytotoxicity compared to non-modified nanorods. The increase in cell viability with higher concentrations of non-modified nanorods was likely due to the release of iron from the nanoparticles.	How would you rate this summary? ☆☆☆
	In vitro cell cycle analysis	To investigate the effect of 200 μ g/ml modified iron oxide nanorods on cell cycle parameters of L929 cells	L929 mouse fibroblast cells, 200 μ g/ml modified iron oxide nanorods	L929 cells were exposed to 200 μ g/ml modified iron oxide nanorods for 24 hours. Cell cycle distribution was analyzed using flow cytometry.	Exposure to 200 μ g/ml modified nanorods increased cell granularity and decreased cell size, with 3.4% of cells undergoing apoptosis (Sub-G ₀ /G ₁ phase). The G ₀ /G ₁ phase increased by 0.9% while the S and G ₂ /M phases decreased by 3.3% and 0.5%, respectively.	Exposure to 200 μ g/ml modified iron oxide nanorods induced autophagy-related changes in cell morphology and a slight decrease in the S phase of the cell cycle, without significant effects on other cell cycle parameters.	How would you rate this summary? ☆☆☆
	In vivo toxicity study	To evaluate the in vivo effects of 200 μ g/ml modified iron oxide nanorods on liver and kidney function in Wistar rats	Wistar rats, 200 μ g/ml modified iron oxide nanorods, 0.9% saline	Wistar rats were randomly divided into an experimental group (injected with 200 μ g/ml modified nanorods) and a control group (injected with saline). Blood samples were collected at 1 hour and 24 hours post-injection to measure liver enzymes (ALT, AST, ALP) and kidney function (BUN, creatinine) parameters. Histological analysis of the liver and kidney was also performed.	There were no significant differences in liver and kidney function tests between the experimental and control groups at 1 hour and 24 hours post-injection. Serum iron levels were significantly higher in the experimental group at 24 hours compared to 1 hour. Histological analysis showed no changes in the morphology of the liver and kidney tissues.	A single intravenous injection of 200 μ g/ml modified iron oxide nanorods did not induce significant acute toxicity to the liver and kidney in Wistar rats within 24 hours, despite the observed increase in serum iron levels.	How would you rate this summary? ☆☆☆

Compare Experiments



Compare results from
Keyword Search Results.



Download the compare
experiments in CSV format.



191,429 results

Set search alert

Refine by:

Years

- ☐ 2026 (2)
- ☐ 2025 (7,020)
- ☐ 2024 (16,137)

Show more

Article type

- ☐ Review articles (7,989)
- ☐ Research articles (137,851)
- ☐ Encyclopedia (2,439)

Compare experiments

AI-summarized research experiments or studies for:

"corporate strategy"

[How it works](#)

AI-generated content may vary in quality. Verify important information. [Learn more](#)

Ask ScienceDirect AI

Ask questions about "corporate strategy" and get answers with AI summaries from relevant research

Try it out



Download 3 articles



Export



Compare Experiments

sorted by [relevance](#) | [date](#)



Research article

1

The effect of exploratory trademark strategy on corporate cash holdings

International Review of Financial Analysis, June 2025

Ying Zou, Jianxin Li, ... Min Li



View PDF

Abstract

Extracts

Export



Research article

2

Data elements and corporate innovation: A discussion of corporate innovation strategy

ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION
Article Source prevention or end-of-pipe treatment? Green public procurement and corporate environmental investment strategies » Renjie Zhang, Guiyi Zhu <i>Journal of Environmental Management</i> • Volume 379 • 2025 Export data (CSV)	Empirical study on the relationship between GPP and corporate environmental investment strategies	To investigate the impact of green public procurement (GPP) on corporate environmental investment strategies, specifically examining whether GPP promotes enterprises' preventive environmental investments or end-of-pipe treatment investments.	Manually collected data on corporate environmental investment, green public procurement data obtained through textual analysis techniques, financial data of listed companies from the China Stock Market and Accounting Research (CSMAR) database	1. Classify enterprises' environmental investment strategies into source prevention and end-of-pipe treatment based on the production stage involved. 2. Construct the GPP variable using textual analysis techniques to identify green procurement contracts. 3. Conduct regression analysis to examine the impact of GPP on the two types of environmental investment strategies, controlling for firm characteristics.	GPP significantly promotes enterprises' preventive environmental investments, but has no obvious effect on end-of-pipe treatment investments.	Enterprises obtaining green procurement orders tend to adopt a source prevention environmental investment strategy in response to increasing environmental pressures from GPP.

Third,

Understand entire article
content is not always easy.

We get it.



Dig deeper.
Read smarter.

Reading Assistant



Chat with Reading Assistant as you open an article or book chapter.



Ask follow-up questions, and then more follow-up questions.



International Journal of Information Management Data Insights

Volume 3, Issue 2, November 2023, 100205

How does AI drive branding? Toward an integrated theoretical framework for AI-driven branding

Maria DSouza Deryl , Sanjeev Verma, Vartika Srivastava

[Show more](#) 

[+](#) Add to Mendeley [Share](#) [Cite](#)

<https://doi.org/10.1016/j.ijimei.2023.100205>

[Get rights and content](#)

Under a Creative Commons [license](#)

Highlights

- Artificial Intelligence transforms brands for universal

Reading Assistant

AI-generated content may vary in quality. [Learn more.](#)

Actions you could take:

 [Summarize this article](#)

 [Summarize experiments](#)

what is the research gap?

Research Gap

The present study fills the research gap by offering an integrated theoretical framework to explain AI-driven branding. Previous reviews have consolidated the academic contributions and thematically described the domain, but a comprehensive account of the theoretical underpinnings used in AI-driven branding literature and the subsequent integration of the



Article Metrics

Tested by

70

Institutions

30,000

Researchers

"These tools have significantly enhanced my research by streamlining literature reviews and providing insightful summaries, which saves time and improves understanding of complex topics. "

– *Faculty member, Hong Kong*

"I like the user-friendly interface and the easiness to using the tool. I find the reading assistant most valuable as it drastically reduces the reading time of articles and helps me to identify the most important parts within seconds."

– *Postdoctoral Researcher, Netherlands*

"The summary of articles cut my reading time in half, and I love the comparison table of the articles. Excellent all-around tool!" "

– *Faculty member, Trinidad and Tobago*

"ScienceDirect's AI tool has transformed the way I work. Amidst AI tools that hallucinate or provide false information, this tool stands out for its precision. The quality of information spares me hours of search. Its effectiveness has allowed me to expand the scope of my research projects, investigate more diverse lines of research and produce superior work."

- *Professor Paulo Botelho Pires, Porto Accounting and Business School, Porto Institute, Portugal, Spain*



Welcome to ScienceDirect AI

[Link to website on ScienceDirect AI](#)



Your experience matters!

 **Scan the QR Code** to share your thoughts in under 1 minute!



<https://forms.office.com/r/TvVCEgN1DC>

Academic Writing in India

A Research Scholar's View

Ismail, Haseena; Balasubramanian, Vimala

Author Information 

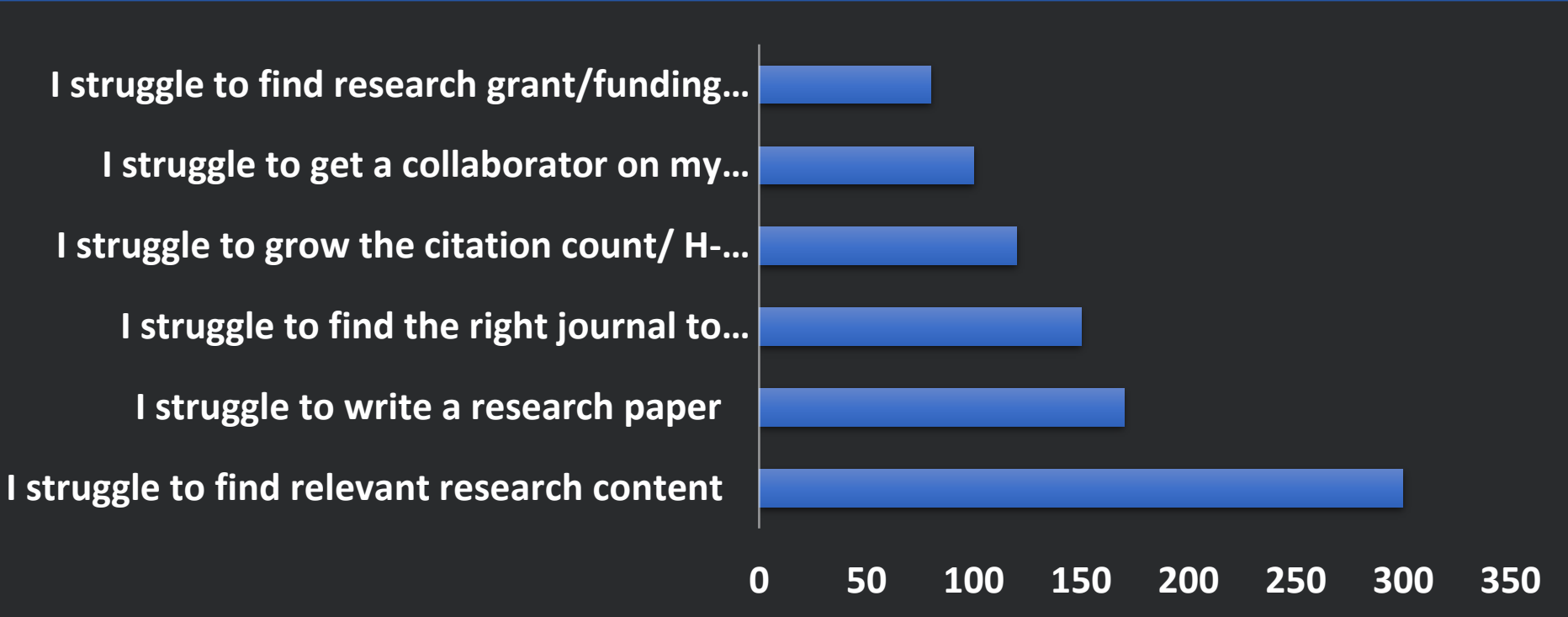
International Journal of Nutrition, Pharmacology, Neurological Diseases 11(2):p 105-107, Apr-Jun 2021.

| DOI: 10.4103/ijnpnd.ijnpnd_12_21

CHALLENGE

- ☐ As per a US government agency data, India holds third place in number of research articles published after China and USA.
- ☐ Even though the number of papers published is increasing, there are also a huge number of manuscripts rejected due to poor language use, grammar, and spelling.
- ☐ The quality of writing, appropriate vocabulary, and word use are still an issue.
- ☐ This is one of the main reasons behind the emergence and growth of many content development and technical editing companies in the recent years.

Challenges in conducting research



Data source: User-Insights Survey

Understanding the research Workflow

RESEARCH PREPARATION

- > Funding
- > Research data management
- > Research collaborations

WRITING FOR RESEARCH

- > Fundamentals of manuscript preparation
- > Writing skills
- > Technical writing skills
- > Book writing

PUBLICATION PROCESS

- > Fundamentals of publishing
- > Finding the right journal
- > Ethics
- > Open science
- > Publishing in the Chemical Sciences

NAVIGATING PEER REVIEW

- > Certified Peer Reviewer Course
- > Fundamentals of peer review
- > Becoming a peer reviewer
- > Going through peer review

COMMUNICATING YOUR RESEARCH

- > Social impact
- > Ensuring visibility

Further Reading

<https://researcheracademy.elsevier.com/>

Navigate your research journey with Researcher Academy. Free e-learning modules developed by global experts Career guidance and advice. Research news on our blog.

Unlock your research potential

Navigate your research journey with Researcher Academy. Free e-learning modules developed by global experts. Career guidance and advice. Research news on our blog.



Unlock your research potential using Elsevier Researcher Academy: A free e-learning platform that offers researchers free online certified courses focusing on key topics like Research Writing, Research Ethics, Journal Selection, and many more. Earn certificates while you learn and improve your research planning and writing skills

Elsevier's Researcher Academy is adopted as trusted source for online learning & skills development by more than 200 thousand researchers in South Asia. Following 10 courses available on Researcher Academy

Top 10 completed modules

Modules	Modules completed
Structuring your article correctly	5651
Guide to reference managers: how to effectively manage your references	7656
How to secure funding - ECR edition	7569
How to prepare your manuscript	8282
How to write an abstract and improve your article	4868
How to conduct evidence-based research	4745
How to peer review a review article	4020
Successful research grant applications – getting it right	2970
How to turn your thesis into an article	3300
Standing up for science	4600

Journal organization: Different Access Types

- Most journals are subscription journals, they are purchased by university/library and are only accessible to subscribers.
- Currently also **'open access' journals** are available. Authors (or their funders) pay 'article process charges' (APC) and the article is freely available.
- Most subscription journals offer option to make an article 'open access'. These are so-called **'hybrid' journals**.
- **Gold open access:** author pays to publish in journal
- **Green open access:** manuscripts is available through institutional repository.

Research Metrics

Journal – Author - Article

Journal Metrics: Impact Factor

- Impact Factor (IF): average number of times articles from a journal published in the past two years have been cited in the current year

Impact Factor in 2021

$$= \frac{\text{All citations in 2021 to articles published in 2019 and 2020}}{\text{All articles published in 2019 and 2020*}}$$

Further normalized

1. All Journals DO NOT have Impact Factor
2. Conference Proceedings are not considered for Impact Factor
3. Impact factor is biased towards fast moving subjects. Eg. Medicine Science has higher citations, so higher impact factor.. whereas Mathematics have lower citations, so lower impact factor.
4. Some very good upcoming journals do not have Impact factor.

Alternate Metrics: *CiteScore- 3 C's and Free*

CiteScore is based on the principles of 3 C's and the fact that it is freely available, empowering users to make well-informed decisions regarding portfolio management and where to publish.

Comprehensive

Based on Scopus, the world's broadest abstract and citation database

CiteScore metrics are available for **all serial titles, not just journals**

CiteScore metrics could be **calculated for portfolios**

Clear

CiteScore metrics are **transparent** and **easy to calculate for yourself**

The **underlying database is available** for you to interrogate

Current

CiteScore Tracker is **updated monthly**

New titles will have CiteScore metrics the year after they are published



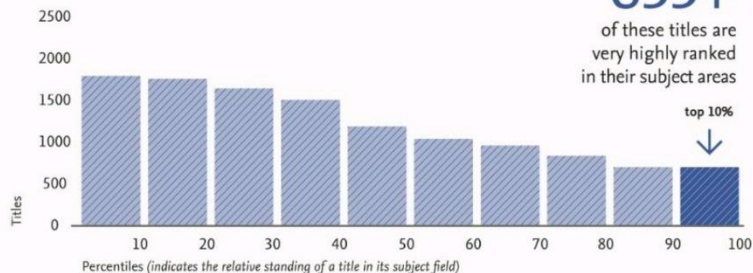
CiteScore

citations to documents published in 4-year period
of documents in same 4-year period

This comprehensive, current and open metric for journal citation impact is available in a free layer of Scopus.com. It includes a yearly release and monthly CiteScore Tracker updates.

CiteScore calculations include citations from articles, reviews, conference papers, book chapters and data papers. See www.scopus.com/sources


+13,000 titles with
CiteScore 2020 and no Journal Impact Factor



Alternate metrics- SNIP & SJR

Source-Normalized Impact per Paper (SNIP)

- Developed by CWTS, University of Leiden Netherlands.
- Measures contextual citation impact by **weighting citations based on the total number of citations in a subject field**.
- The impact of a single citation is given higher value in subject areas where citations are less likely, and vice versa.



Source Normalized Impact Per Paper (SNIP)


journal's citation count per paper
citation potential in its subject field

The impact of a single citation will have a higher value in subject areas where citations are less likely, and vice versa. Stability intervals indicate the reliability of the score. Smaller journals tend to have wider stability intervals than larger journals.

Calculated by CWTS (www.journalindicators.com) based on Scopus data.

SCImago Journal Rank (SJR)

- Developed by SCImago, Spain.
- **SCImago measures the scientific influence of scholarly journals.**
A prestige metric that can be applied to journals, book series and conference proceedings.
- **It takes into account: both the number of citations received by a journal and the importance/prestige of where the journal citations come from.** With SJR, the subject field, quality and reputation of the journal have a direct effect on the value of a citation.



SCImago Journal Rank (SJR)

average # of weighted citations received in a year
of documents published in previous 3 years

Citations are weighted—worth more or less—depending on the source they come from. The subject field, quality and reputation of the journal have a direct effect on the value of a citation. Can be applied to journals, book series and conference proceedings.

Calculated by SCImago Lab (www.scimagojr.com) based on Scopus data.

Author level metrics



Scopus

Author details

[Return to search results](#) 1 of 19 [Next](#)

Rao, C. N.R.

Author ID: 22968535800 ⓘ

Affiliation(s): ⓘ

Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, India [View more](#)

Documents by author Total citations

1662


84402 b

h-index: ⓘ

133


GOOGLE SCHOLAR:

- ☐ Covers not only journals but academic websites, grey literature, pre-prints, theses etc
- ☐ Also includes books from the Google Books project
- ☐ Results often contain duplicates of the same article (usually as pre-prints and post-prints) due to the wide range of sources



C. N. R. Rao

Professor of Chemistry
Verified email at jncasr.ac.in
[Materials Chemistry](#) [Solid State Chemistry](#)



Cited by

[VIEW ALL](#)

	All	Since 2015
ns	118589	35920
k	155	85
ex	1305	559



- ✓ The H-Index is a numerical indicator of how productive and influential a researcher is
- ✓ It was invented by Jorge Hirsch in 2005, a physicist at the University of California.

Article-level metrics: *Compare Like with Like*

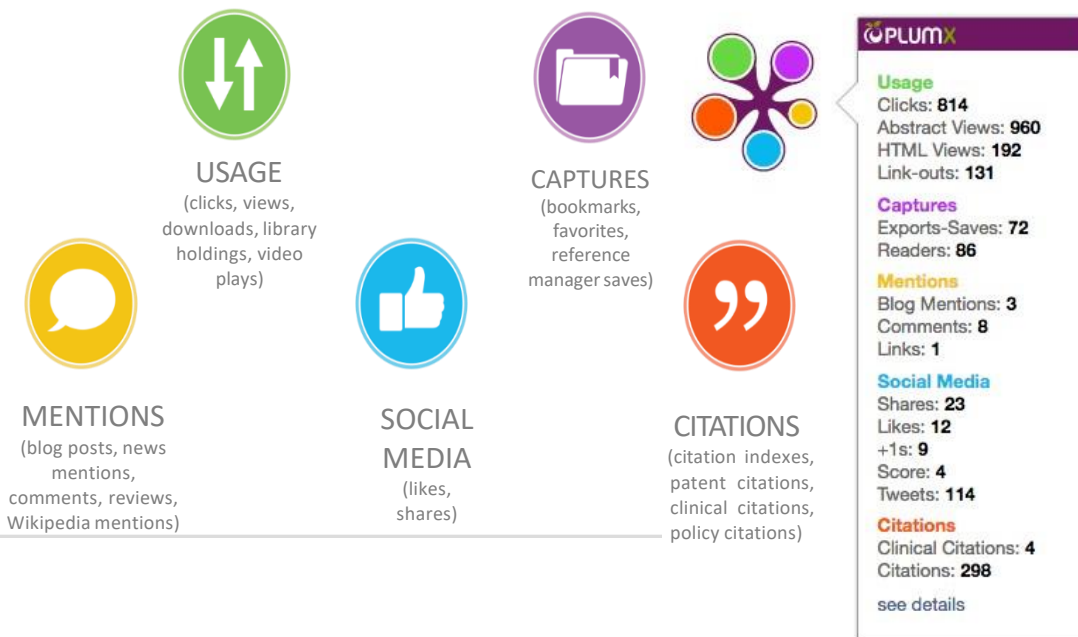
❑ The Field-Weighted Citation Impact

❑ (FWCI) score comes from the Scopus database and shows how the article's citation count compares to similar articles in the same field and timeframe.

❑ A score of 1.00 means the article is cited as it would be expected, greater than 1.00 the article is doing better than expected, and less than 1.00 the article is underperforming.

❑ Eg. FWCI of 6 indicates that the article received almost 6 times the number of citations as compared to the average article in this field received.

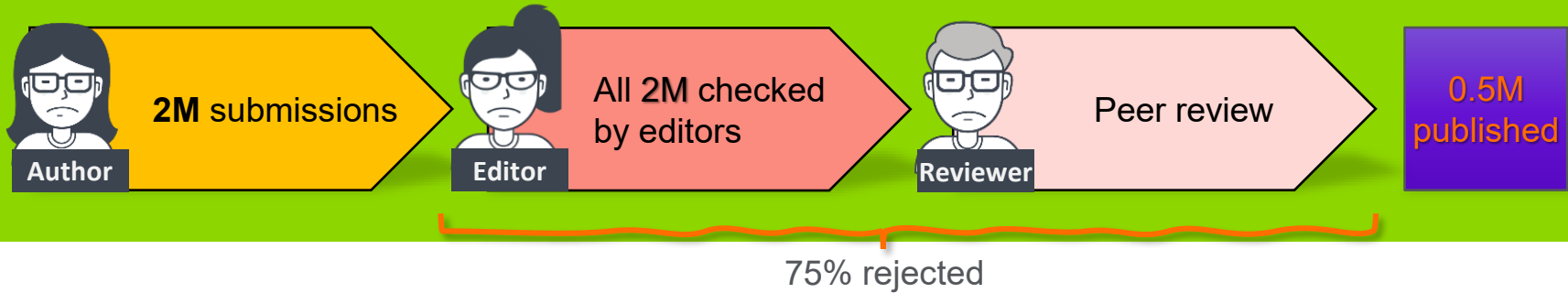
PlumX Metrics are comprehensive, item-level metrics that provide insights into the ways people interact with individual pieces of research output



Editorial Process

Understanding rejection and next steps

Rejection is common



Even if you leverage all resources and tools available, acceptance is not guaranteed.



Journal Finder



Scopus

Citations



A typical publishing workflow

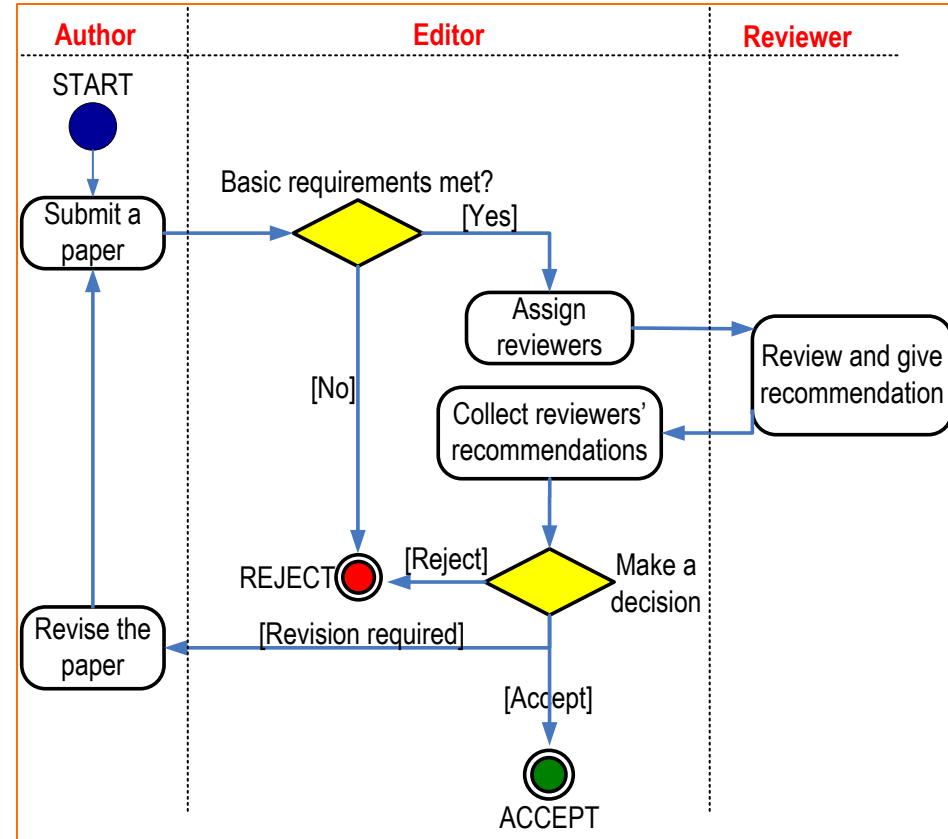
What Editors want?

1. Paper is scientifically correct
2. If it reports something new
3. If it reports something significant
4. If the paper is of interest to the readers



Top reasons for rejection?

1. Topic of research not trending/not impactful
2. Poorly written abstract: Language errors
3. Too many/irrelevant Self-cites
4. Poor geographical distribution of references in your article
5. Recent/Older articles not cited
6. Leading scientists/top journal articles not cited



Developing a manuscript

Developing a manuscript

Based on many discussions with handling editors!

1. Think before writing
2. Choose the right journal and article type
3. Use the right process to write paper
4. Language
5. Ensure paper is up-to-date and in right context
6. Use the correct article structure
7. Be prepared for common questions of reviewers

1. Think before writing

Do I have a story to tell?

Editors and reviewers are looking for original and innovative research that will add to their field of study. Your conclusions must be sound, based upon sufficient, robust data. If your study is part of a larger research project, consider publishing just one article on the entire project.

Do I have an audience to tell it to?

Who will want to read about your research? The more original and innovative your research, the more people will be interested. You should also consider whether your article is of interest to a local or an international audience before embarking on the question of which journal to send your manuscript to.

If you are ready to publish, a strong manuscript is what is needed next



What is a strong manuscript?

- Has a clear, useful, and exciting message
- Presented and constructed in a logical manner
- Reviewers and editors can grasp the significance easily

**Editors and reviewers are all busy people –
make things easy to save their time**



2. Choosing the right journal

On the homepages you will find:

- Journal aims and scope
- Types of articles accepted
- Recently published articles
- **References in your own article will often lead you to the correct journal**

DO NOT submit manuscripts to more than one journal at a time

Home > Journals > Colloids and Surfaces B: Biointerfaces



ISSN: 0927-7765

Colloids and Surfaces B: Biointerfaces

An International Journal Devoted to Fundamental and Applied Research on Colloid and Interfacial Phenomena in Relation to Systems of Biological Origin

Editors: [Henk Busscher](#), [Hong Chen](#), [Dganit Danino](#), [Deborah Leckband](#), [Alyssa Panitch](#), [Yongfeng Zhou](#)

> [View Editorial Board](#)

> CiteScore: 7.1 ⓘ Impact Factor: 4.389 ⓘ

Submit Your Paper

Supports Open Access

View Articles

Guide for Authors

Abstracting/ Indexing

Colloids and Surfaces B: Biointerfaces is an international journal devoted to fundamental and applied research on colloid and interfacial phenomena in relation to systems of biological origin, having particular relevance in the medical, pharmaceutical, biotechnological, food and cosmetic fields.

Submissions...

[Read more](#)

[Most Downloaded](#) [Recent Articles](#) [Most Cited](#) [Open Access Articles](#)

[Advances and challenges in stem cell culture - Open access](#)

Submit Your Paper



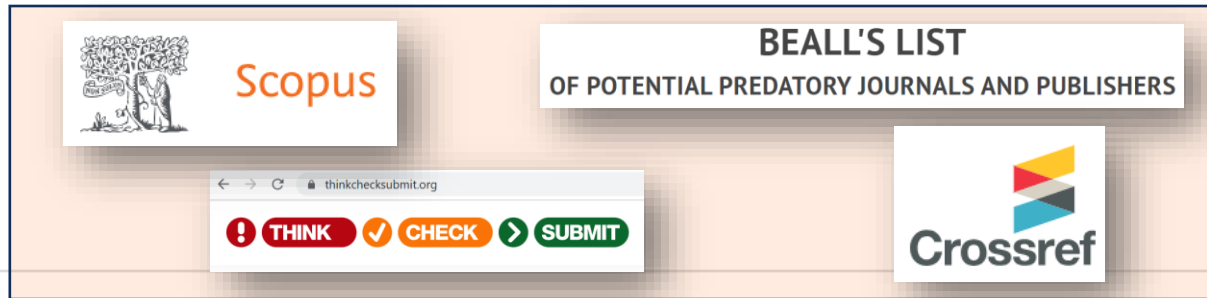
View Articles

Guide for Authors



❑ Check if you have fallen prey to a predatory journal

- Research manuscript authors essentially don't receive the benefit of publishing to the journal, and often are misled about promises of a robust peer review, where sometimes the review process is actually non-existent.
- Additionally, authors are the victim of fake editors, fake impact factors, and highly (and deliberately) misleading names of journals that are strikingly similar to legitimate, highly-regarded journals.



2. Choose the right journal and article type

- Elsevier Tool: journalfinder.elsevier.com
- Simply insert your title and abstract and select the appropriate field-of-research for the best results.
- Suggests suitable journals and provides information on editorial times, acceptance rate, production speed, open access options,...
- Look for more information in Elsevier Journals Insight
- Compare/Look some of the relevant metrics in Scopus

Find journals

Enter title and abstract of your paper to easily find journals that could be best suited for publishing. JournalFinder uses smart search technology and field-of-research specific vocabularies to match your paper to scientific journals.

> More on how it works

Paper title

Enter your paper title here

Paper abstract

Enter your paper abstract here

Don't have an abstract? [▼](#)

Keywords

Enter relevant keywords for your paper

Field of research

Select field of research [▼](#)

— Refine your search

E.g. Journal impact, Review and time to publication

Refine the scope of your search to get more relevant journals

Publication type

An article can either be published gold open access or with Subscription. A publication fee is required when publishing gold OA, while subscription is free (an embargo period applies before authors can publish their manuscript to the public).

☒ OA Journals that offer gold OA

☐ Journals with subscription



ScienceDirect is Elsevier's leading platform of peer-reviewed scholarly literature. ScienceDirect provides the high-quality answers that improve research performance. READ QUALITY.. PUBLISH QUALITY..

7 key questions to consider as you evaluate the journals you have identified

1. Is the manuscript the **right fit** for the journal?
2. Are there any **funder/institution mandates** to consider?
3. Is the journal visible in the **communities** you want to reach?
4. Is there a reasonable **chance of acceptance**?
5. Is the journal **indexed** in all the relevant databases?
6. What do the journal **metrics** reveal?
7. Is the journal **reputable**, including practicing robust peer review?



3. Use the right process to write a paper

1. Prepare an outline to start writing a first draft:

- Determine the central message, the research questions
- Prepare draft versions of plots, figures, tables, images
- Summarize main findings and group in a logical way
- Select references

2. Write a first draft with outline, figures and tables as your guides

- Write in your own style, quickly and without editing
- Do not care about language quality



3. Read your first draft and add notes

- Read it as a critical reader (not as the author)
- Is the main message clear to new readers?

3. Use the right process to write paper

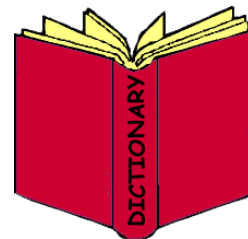
4) Rewrite and improve

- ☐ Revise the text
- ☐ Improve the order and logic of the scientific content
- ☐ Identify gaps and improve unclear parts
- ☐ Remove double/redundant text
- ☐ Optimize the readability (clear, concise, short sentences)
- ☐ Correct language errors
- ☐ Is the text consistent and coherent? (important when multiple authors write the text)
- ☐ Get feedback from co-workers and colleagues



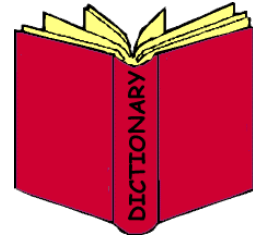
4. Language

- ☐ Journal editors and in particular reviewers may reject a manuscript simply because of frequent language mistakes. In any case they will be irritated.
- ☐ Publishers do not language edit manuscripts
- ☐ If English is not your mother-tongue:
 - ✓ Find a native-English speaker to read and correct your manuscript
 - ✓ Use a paid-for editing service.
Eg. More information at <http://webshop.elsevier.com/languageediting/>
- ☐ DO NOT copy complete phrases from other papers, it may be considered plagiarism!
- ☐ All editors and reviewers hate wasting time on poorly prepared manuscripts and will reject



4. Language

- Write short and direct sentences
- Convey one piece of information per sentence
- Avoid multiple statements in one sentence
- The average length of sentences in scientific writing is only about 12-17 words
- Eliminate redundant phrases
- Double-check unfamiliar words or phrases
- Clearly explain abbreviations
- Use 'present tense' for known facts and hypotheses
- Use 'past tense' for conducted experiments and results



4. Language

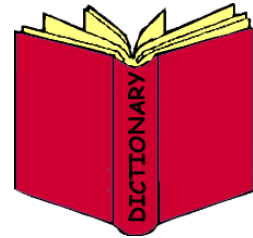
Example

Long Sentence:

"In the highly regulated and aseptic laboratory setting, characterized by its stringent adherence to protocols, it is of paramount importance to delicately and precisely position each 50 mL conical tube horizontally within a pre-warmed orbital shaker, thus facilitating the creation of an ideal and uniform environment for the execution of the critical process which hinges on the orchestration of each step"

Simple sentence:

"Place each 50 mL conical tube horizontally in a pre-warmed orbital shaker"



Manuscript Language: tenses

Use of tense

- Abstract and Summary: past tense
- Introduction: present tense
- Methods & Materials and Results: past tense
- Discussion: both past and present tense

Write direct and short sentences.

- Long sentences confuse readers.
- Short sentences look more professional
- Nowadays, the **average length** of sentences in scientific writing is about **12-17 words**.
- One idea or piece of information per sentence is sufficient.
- Avoid multiple statements in one sentence.



5. Ensure paper is up-to-date and in right context

- ☐ Your work is not an isolated piece of research
- ☐ It builds upon earlier work and that should be described
- ☐ A good paper should explain in the introduction:
 - The topic of the paper and the scientific field
 - The relevance and significance of the topic
 - A description of what has been done before, by whom and how
 - What is known and what is not known
 - Questions that remain

Reference list

- An editor will take a look at your reference list to see:
 - Are recent papers included?
 - Are papers from top-journal included?
 - Are leading scientists cited?
 - Are there too many self-cites?
 - Are references internationally distributed?



6. Use the correct article structure

Title

Concise, informative, objective, including main finding

Authors

First Author : Conduct and supervise this research and submit the final manuscript

Correspondence Author : Best person to contact

Co-Authors : Contributor, Advisors



Abstract

Strongly influence the editor's decision
Summarized but give sufficient details
Easy to understand

Keywords

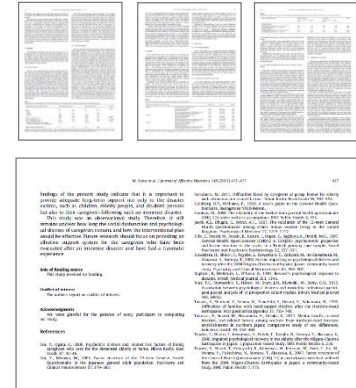
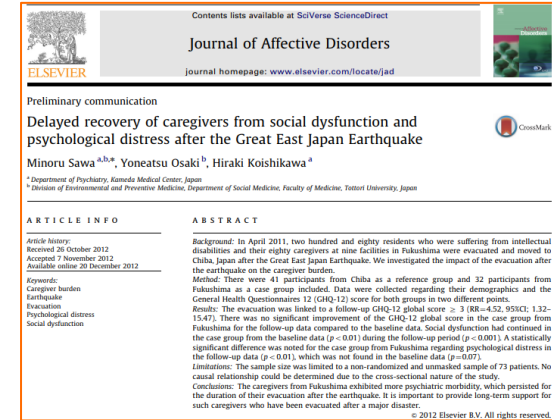
Searchable in A&I DB

Specific

Use established abbreviation only (e.g.

DNA)

Check the "Guide for authors"



6. Use the correct article structure

■ Introduction (*Why did you do?*)

Convince readers that you clearly know why your works is useful
Be brief
Clearly address the following
What is the problem?
Are there any existing solution? Which one is the best ?
What is its main limitation?
What do you want to achieve ?

■ Methods (*What did you do?*)

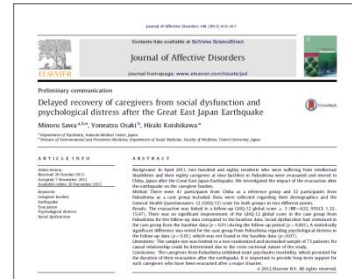
Describe how the problem was studied
Provide sufficient information
Identify the equipment and describe materials used

■ Results and discussion (*What did you find?*)

What did you find and why this is important ?
Include data, figures, tables

■ Conclusions (*How does your study advance the field ?*)

Short and Clear
Justify your work in the research field
Suggest future experiments



and social dysfunction (items 1, 2, 4, 7, and 9). We performed the Mann-Whitney *U* test to examine the groups for differences in the GHQ-12 integrate score for each of these factor items. Statistical significance was set at $p < 0.05$. All tests were two-sided, and all of the statistical analyses were conducted using the SPSS version 18.0 software program (SPSS Inc., Chicago, Illinois).

3. Results

We confirmed that there was no impact of the participants who dropped out with regard to the distribution of the baseline or follow-up GHQ-12 global score as determined by the Mann-Whitney *U* test in both of the groups. The mean values for the baseline GHQ-12 global scores were 3.49 for the reference group and 6.28 for the case group originally from Fukushima. The clinical characteristics of the participants are presented in Table 1. We performed Shapiro-Wilk tests to check for the normality of the continuous variables, including the patient age, years of employment, and baseline/follow-up GHQ-12 global scores. Only the participants' age was normally distributed. A statistically significant difference was found for the caregivers from Fukushima, in that they had a higher baseline GHQ-12 global score ($p < 0.001$) as well as higher follow-up GHQ-12 global scores ($p < 0.001$) in the Mann-Whitney *U* tests.

According to the Wilcoxon signed rank test performed to examine the differences between the baseline data and the follow-up data for both groups, there was no statistically significant difference in either of the groups. The results from a logistic regression analysis indicated that the presence of evacuation (Relative Risk [RR]=3.01, 95% Confidential Interval [CI], 0.95–9.53) did not produce a statistically significant relative risk for the presence of a score ≥ 3 for the baseline GHQ-12 global score, but a trend was noted ($p=0.06$). We performed a similar

These results are presented in Table 3.

4. Discussion

4.1. The principal findings

In this study, there was a statistically significant difference between the follow-up GHQ-12 global score based on whether patients had been evacuated. A higher follow-up GHQ-12 global score was linked to the evacuation after the disaster, which was not only a psychiatric problem but also increased the risk of mortality (Russ et al., 2012). No statistically significant difference was found in the case group originally from Fukushima between baseline and follow-up GHQ-12 global score, which means there was no improvement in the psychiatric morbidity with the passage of time after evacuation. This follow-up study showed that the social dysfunction was not resolved for the duration of their evacuation after the earthquake, and furthermore, there was even new psychological distress noted in the follow-up data for the caregivers from Fukushima.

4.2. Strengths and limitation of the study

It is of great importance that statistically significant differences were found in the follow-up GHQ-12 global scores even in this small sample of participants based in the presence of evacuation. In particular, our findings indicate that social dysfunction has not only persisted but also that psychological distress has newly emerged for these caregivers evacuated from Fukushima. Previous studies have showed that the psychological stress continues for a long period after a large-scale disaster, such as an earthquake (Toyabe et al., 2006, 2007) therefore the result

6. Use the correct article structure

Acknowledgements

Ensures who helped in the research
Advisors for technical tip, language, comments
Financial Supporters
Proof-readers
Suppliers of materials..

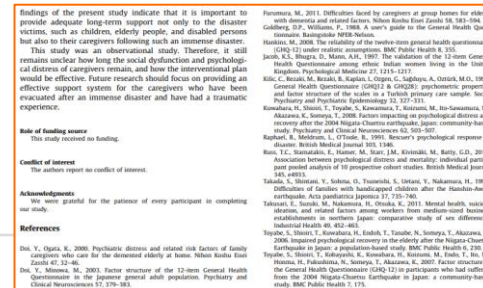
References

DO : recent and worldwide references, Make sure you fully understand, Use style given in the Guide for Authors

DO NOT : excessive self-citations, excessive citation from the same region or Journal

Supplement Information

Extensive description, experimental details, analyses, dataset
Be peer-reviewed with article
Usually free available with manuscript ion or Data sharing (e.g. Mendeley Data)



7. Be prepared for common questions to reviewers

- Common questions include:
 - ✓ Comment on importance, validity, generality of conclusions
 - ✓ Does the topic of the paper fit within the journal?
 - ✓ Are title and abstract in line with content?
 - ✓ Is the introduction clear, balanced and well organized?
 - ✓ Are experiments correct? Can they be repeated based on description?
 - ✓ Comment on need and quality of tables/figures/images.
 - ✓ Are the results well-presented and analyzed?
 - ✓ Is research put in appropriate context?
 - ✓ Are references accurate, up-to-date, balanced, accessible?



Submitting a manuscript

Importance of a good cover letter

This is your opportunity to convince the journal editor that they should publish your study. Take that opportunity!

- Opportunity to convince the journal editor that they should publish your study
- Describe basic information including Editor's name, Manuscript title, Article type..
- Describe what would make your manuscript special to the Journal
- Note special requirements e.g. reviewers, conflicts of interest



- Briefly describe:
 - Yourself: your background, expertise research area, track record
 - Describe the research field, main developments, key-players
 - The main findings of this research and what is new
 - The significance of this research
 - The significance and relevance for journal
 - Suggest good reviewers from different countries and regions

Cover

Your character

- Submitted
- Mention w
- Note spec

Professor H. D. Schmidt
School of Science and Engineering
Northeast State University
College Park, MI 10000
USA

January 1, 2008

Dear Professor Schmidt,

Enclosed with this letter you will find an electronic submission entitled "Mechano-sorptive creep under compressive loading - a micromechanical model" by John Smith and myself. This is an original paper which has neither previously nor simultaneously in whole or in part been submitted anywhere else. Both authors have read and approved the final version submitted.

Mechano-sorptive is sometimes denoted as accelerated creep. It has been experimentally observed that the creep of paper accelerates if it is subjected to a cyclic moisture content. This is of large practical importance for the paper industry. The present manuscript describes a micromechanical model on the fibre network level that is able to capture the experimentally observed behaviour. In particular, the difference between mechano-sorptive creep in tension and compression is analysed. John Smith is a PhD-student who within a year will present his doctoral thesis. The present paper will be a part of that thesis.

Three potential independent reviewers who have excellent expertise in this paper are:

Dr. Fernandez, Tennessee Tech, email1@university.com
Dr. Chen, University of Maine, email2@university.com
Dr. Singh, Colorado School of Mines, email3@university.com

I would very much appreciate if you would consider the manuscript for publication in the *International Journal of Science*.

Sincerely yours,

A. Professor

Final approval from all authors

Journal

Explanation of importance of research

Suggested reviewers

Editor's decision

Accept.

Reject

Accepted after minor/major revisions



- The editor may decide that your paper can be published, but only after you have revised your manuscript.
- Carefully study the reviewers' comments, adjust your manuscript and prepare a detailed letter of response
- Respond to all points; even if you disagree with a reviewer. Provide a scientifically solid rebuttal, not ignore their comment
- State specifically what changes you have made to address the reviewers' comments, mention page and line numbers where changes have been made
- Perform additional experiments, calculations or computations, if required; these usually serve to make the final paper stronger

Common Pitfalls Post-Rejection and Solutions

- Not considering the journal's impact, standards, and criteria.
- Submitting elsewhere without making necessary improvements.
- Resubmitting to a journal you have previously submitted to without transparency and without making significant improvements.
- Not adequately highlighting the novelty and potential of your work.
- Disregarding Editor and/or Reviewer feedback as future work, not important, or incorrect without a thorough rebuttal.
- Make necessary changes based on any feedback received.
- Be realistic about the novelty and importance of your work.
- Do your research. Does your work compare to similar papers published recently at the journal?
- If you receive a transfer post-review, provide a thorough and detailed response to all comments. Avoid being defensive. Remember to 'argue with evidence' and explain what changes have been made to address the concerns. Doing so could lead to a fast-tracked acceptance.

Benefits of Elsevier's Article Transfer Service

ATS is the shortest path to publication



Match

Find the best home for your paper

We determine the best match by evaluating scope, article type, performance and more.



Ease

Reduce the effort spent on resubmission

We aim to make the transfer as seamless as possible and guide you through the process.



Speed

Publish your article as quickly as possible

Accepting an offer to transfer your article within Elsevier reduces time to publication.



- The acceptance rate for papers submitted to suggested journals on our transfer offers is ~60% higher than for papers submitted elsewhere.
- The average time from submission to acceptance for transferred papers is ~2 weeks faster.

**based on 2022-23 data*

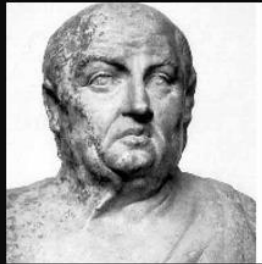
"This transfer service helped me a lot to decide the final journal target for my manuscript. We transferred the work without any problem and finally the work was accepted and published in the suggested journal."

– Author, Catalysis



[Learn more](#)

Publishing Ethics



It's a vice to trust all, and
equally a vice to trust none.

~ Seneca the Younger

AZ QUOTES

Obey publishing ethics

- There are generally accepted ethical rules around scientific research and publishing to maintain integrity and trustworthiness of scientific work and reporting
- Rules and guidelines are specified by COPE (www.publicationethics.org)
- COPE is a forum for editors and publishers of peer reviewed journals to discuss all aspects of publication ethics. It also advises editors on how to handle cases of research and publication misconduct.
- Code of conduct, guidelines and flowcharts available at COPE website. Also many cases are reported and discussed.



Obey publishing ethics

- Submitting a paper implies that you are familiar with and have accepted publishing ethics, see
 - Guide for Authors
 - www.elsevier.com/publishingethics
- Also, during the submission process, you are asked to confirm a few declarations.
- Editors will reject papers if they observe any misconduct. They will make a note.
- Journals can retract published papers and state in public why a paper was retracted. They may also inform the institute management

- Multiple submissions
 - Submission to a journal implies that it is not under consideration for publication elsewhere (see guide for authors).
- Improper author contribution
 - Leaving out authors who should be included
 - Including authors who did not contribute significantly

Unethical publishing behavior includes:

- Data fabrication and falsification
 - Making up data or results, and recording or reporting them
 - Manipulating data (for example images)
- Plagiarism
 - Plagiarism is the appropriation of another person's ideas, processes, results, or words without giving appropriate credit.
 - Serious offence that could lead to paper rejection, academic charges and termination of employment.
 - Various software are available:
Free: Duplichecker, Copyleaks, PlagScan, PaperRater..
Paid: Turnitin, ithenticate, Grammarly, CopyScape



Elsevier's policies for authors, editors and reviewers on Generative AI

Elsevier's policy¹ states that authors should:

- Only use Generative AI and AI-assisted technologies to improve **readability** and **language** of the work.
- Apply the technology with **human oversight** and control, as it can generate authoritative-sounding text that may be biased, incorrect, or incomplete.
- **Disclose** in their manuscript the use of Generative AI and AI-assisted technologies.
- Not list Generative AI and AI-assisted technologies as an **author or co-author** or cite AI as an author.



Authors

[!] Please note the policy only refers to the use of Generative AI in the *writing* process, and not to the use of AI tools to analyze and draw insights from data as part of the research process.



¹ Policies are published on Elsevier's Publishing Ethics page: <https://www.elsevier.com/about/policies/publishing-ethics>. Further guidance can be found in the [RELX Responsible AI Principles](#).

Promoting Your Paper

Promote your own paper

- More than 2.5 million scientific articles are published each year, and that number is rising. So it's increasingly important for you to find ways to make your article stand out.
- While there is much that publishers and editors can do to help, as the paper's author you are often best placed to explain why your findings are so important or novel.



Image Source: <https://www.jewellermagazine.com/img/114048>

ORCiD and its importance



Connecting Research
and Researchers

- ✓ Open Researcher and Contributor ID
- ✓ Nonproprietary alphanumeric code
- ✓ Uniquely identifies scientific and academic authors /contributors.
- ✓ Integrated with Scopus

Conclusion: How to get your paper published in quality journals

1. Think before writing
2. Choose the right journal and article type
3. Use the right process to write paper
4. Language
5. Ensure paper is up-to-date and in right context
6. Use the correct article structure
7. Be prepared for common questions to reviewers
8. Write a good cover letter
9. Revisions: address all comments from reviewers, also if you disagree
10. Obey publishing ethics
11. Promote your own paper



Picture Source: <https://www.bitsdujour.com/software/top-10-habits-to-become-a-successful-author-subtitle-added>