

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH (EJOR)

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José-Fernando Oliveira, P

Steffen Rebennack, D

Ruud Teunter, NL

Mike Yearworth, UK

Publisher in Elsevier: **Shaunna Whitters**

Journal Manager: **Celina David**

Established in **1975** by **EURO**, **1st issue in 1977**

Volume: ~**8 400** pages/year, in 24 issues

Total cites: **64 164** in 2024 (WoS)

WoS JCR 2-y Impact Factor 2024 = **6.0**

SCOPUS CiteScore 2024 (4y IF) = **13.2**

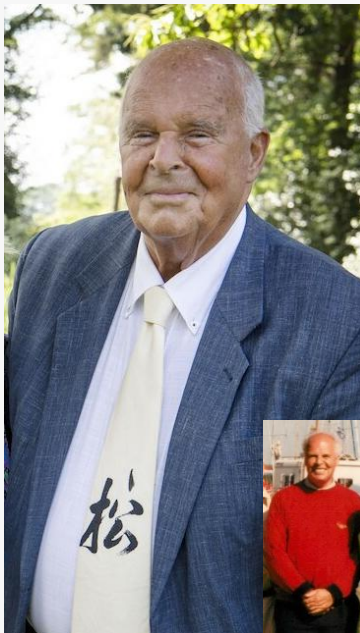
full text downloads via ScienceDirect > **4.0 mln/y**

new submissions per year (2024): **4 424**

Latest : Vol. 326, No. 2, October 16, 2025

Origins

- The idea for a European Journal of Operational Research (EJOR) was proposed at the **first Council Meeting held on 30 January 1975**.
- A committee (**G. Kreweras, B. Roy, C.B. Tilanus, and H.-J. Zimmermann**) was formed to investigate the desirability of such a venture.
- The Council decided on **8 May 1975** that EJOR should be launched.
- The first team of the **Editors-in-Chief (1976-1999)** was composed of:
Alan Mercer, UK **Bernhard Tilanus, NL** **Hans-Jürgen Zimmermann, D**



The first issue of EJOR appeared in 1977

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D.A. Xirokostas, National Technical University, Athens, Greece

Evolution of the editorial team of EJOR: 1999-2004

R. Słowiński, J. Teghem, J. Wallenius



Old and new team
meet with Elsevier in Amsterdam
June 28, 1999



Evolution of the editorial team of EJOR: 2005-2006

L. Peccati, R. Słowiński, J. Teghem



L. Peccati, R. Słowiński, J. Wallenius, J. Teghem

Evolution of the editorial team of EJOR: 2006-2007

R. Słowiński (CE), R. Dyson, J. Teghem, L. Peccati



L. Peccati, J. Teghem, R. Dyson, J. Mirska-Els, R. Słowiński

Evolution of the editorial team of EJOR: 2007-2010

R. Słowiński (CE), J. Artalejo, J.-Ch. Billaut, R. Dyson, L. Peccati



Evolution of the editorial team of EJOR: 2011-2014

R. Słowiński (CE), J.-Ch. Billaut, I. Bomze, R. Dyson, L. Peccati



HELSINKI 2007

2011-2014

Lorenzo

Manuel

Robert

Jean-Charles

Lorenzo

Roman



Evolution of the editorial team of EJOR: 2015-2017

R.Śłowiński (CE), I.Bomze, E.Borgonovo, R.Dyson, J.F.Oliveira, R.Teunter

J.F. Oliveira

I. Bomze

R. Teunter

R. Dyson

E. Borgonovo

R. Śłowiński



Helsinki 2004

Amsterdam 2004



2015



Editors & Editorial Manager & Publisher 2015-2017

R.Teunter J.F. Oliveira R.Dyson L.Tyler R.Słowiński J.Bibb I.Bomze E.Borgonovo



Evolution of the editorial team of EJOR: 2018-2020

R.Śłowiński (CE), E.Borgonovo, R.Dyson, J.F.Oliveira, S.Rebennack, R.Teunter



Evolution of the editorial team of EJOR: 2018-2020



Roman Słowiński



Robert Dyson



Steffen Rebennack



José-Fernando Oliveira



Emanuele Borgonovo



Ruud Teunter

Evolution of the editorial team of EJOR: since 2021



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(Polish Academy of Sciences,
Poznań Univ. of Technology)



Mike Yearworth
(University of Exeter,
Business School)



Steffen Rebennack
(Karlsruhe Institute of
Technology, Institute of
Operations Research)



José-Fernando Oliveira
(University of Porto, Faculty
of Engineering, INESC TEC)



Emanuele Borgonovo
(Bocconi University,
Dept. of Decision Sciences)



Ruud Teunter
(University of Groningen,
Faculty of Economics and
Business)

Annual meetings of the Editors with the Publisher



Annual meetings of the Editors with the Publisher

Zoom Spotkanie

Steffen Rebennack

Roman Słowiński

Whitters, Shauna (ELS-OXF) Shauna Whitters

Ruud Teunter

Yearworth, Mike Mike Yearworth

Upton, Gemma (ELS-EXE) Gemma Upton

José Fernando OLIVEIRA

Emanuele Borgonovo

15:53
22.04.2022

Speyer, Germany, June 22, 2023

J.F.Oliveira M.Yearworth S.Rebennack S.Whitters R.Słowiński E.Borgonovo R.Teunter



Bristol, UK, June 13, 2024



Roman Słowiński

Shaunna Whitters

Emanuele Borgonovo

Steffen Rebennack

Mike Yearworth

Ruud Teunter

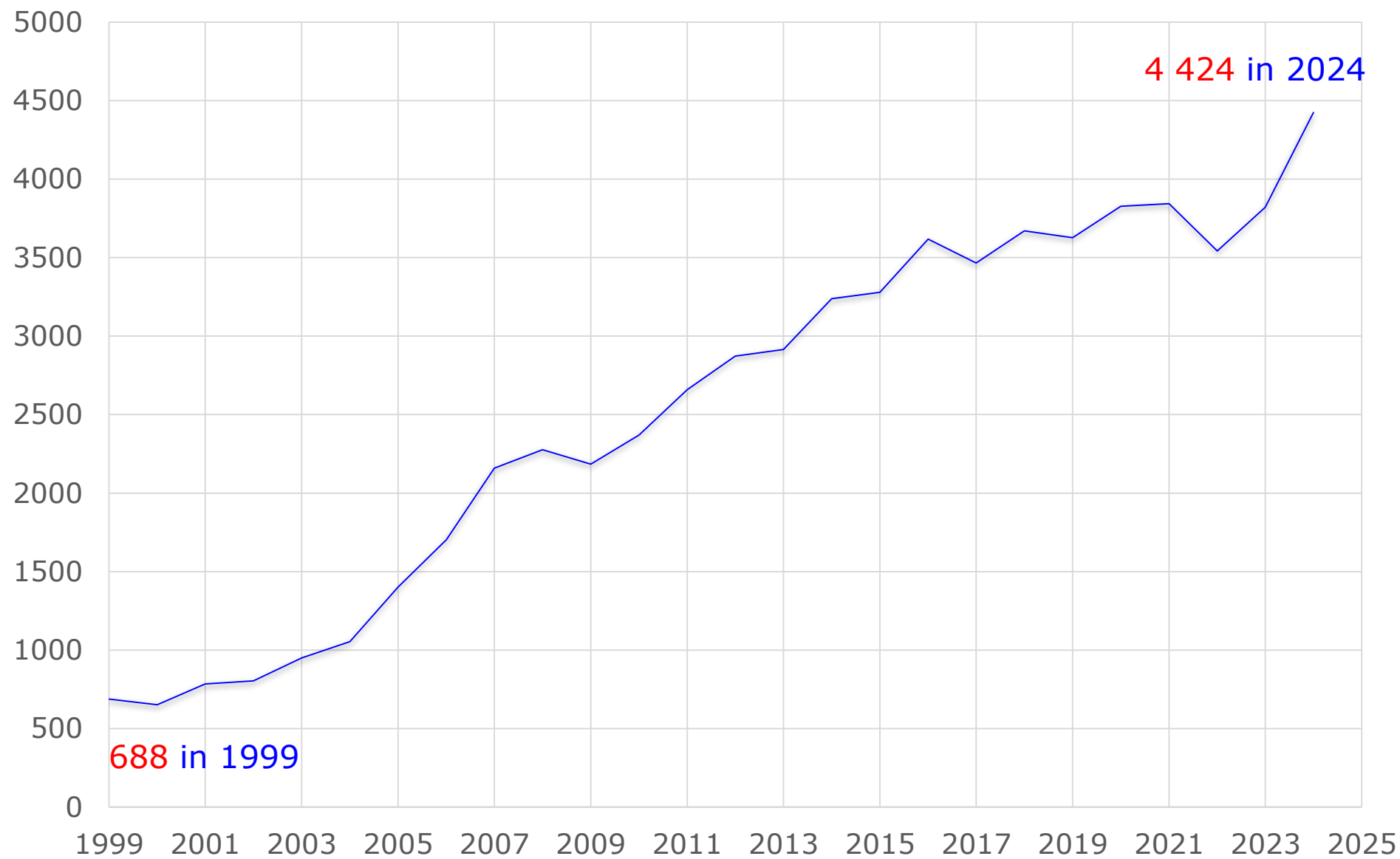
José Fernando Oliveira

Poznań, Poland, June 5, 2025

R.Teunter S.Rebennack M.Yearworth **S.Whitters** E.Borgonovo J.F.Oliveira R.Słowiński

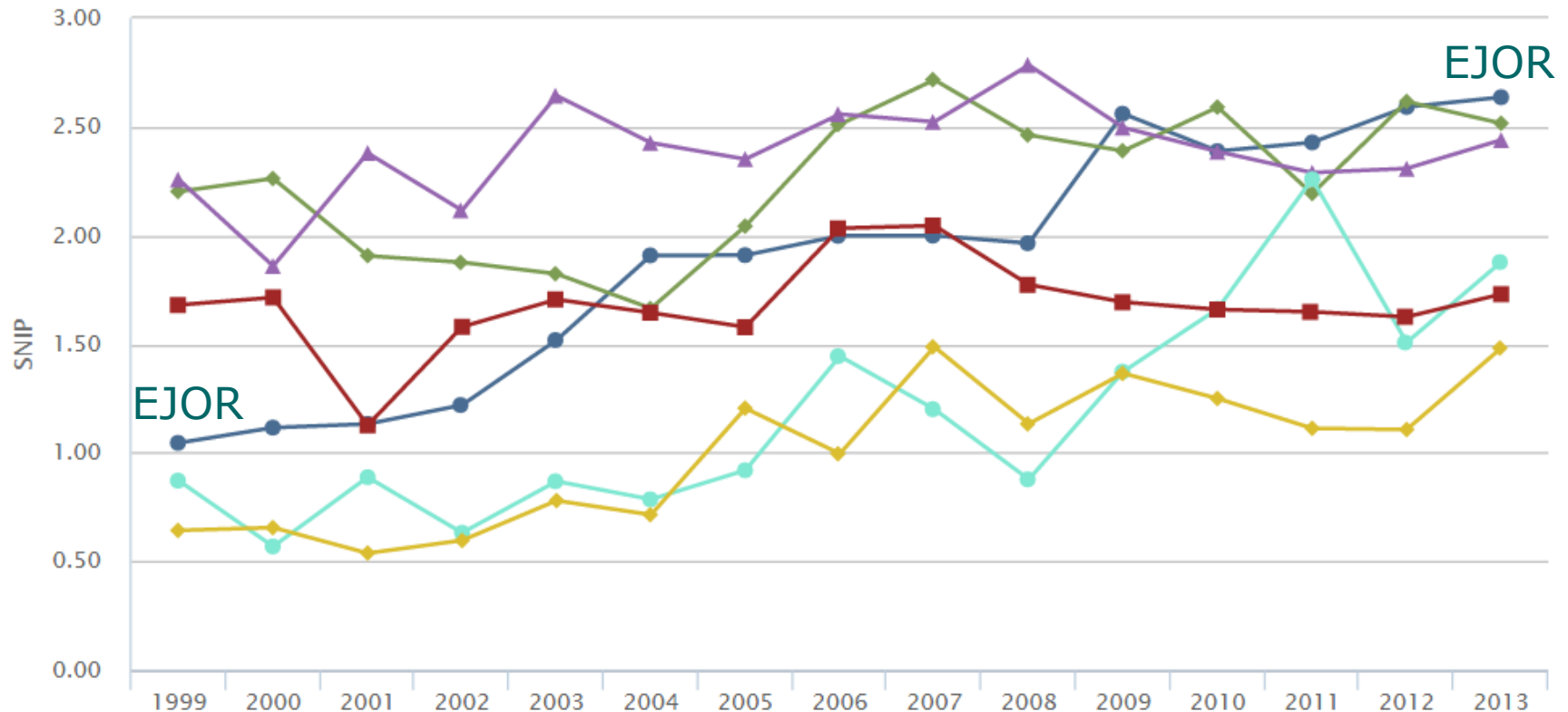


Number of new submissions



SNIP – Source Normalized Impact per Paper – Scopus

EJOR first outperformed its principal competitors in terms of SNIP in 2013

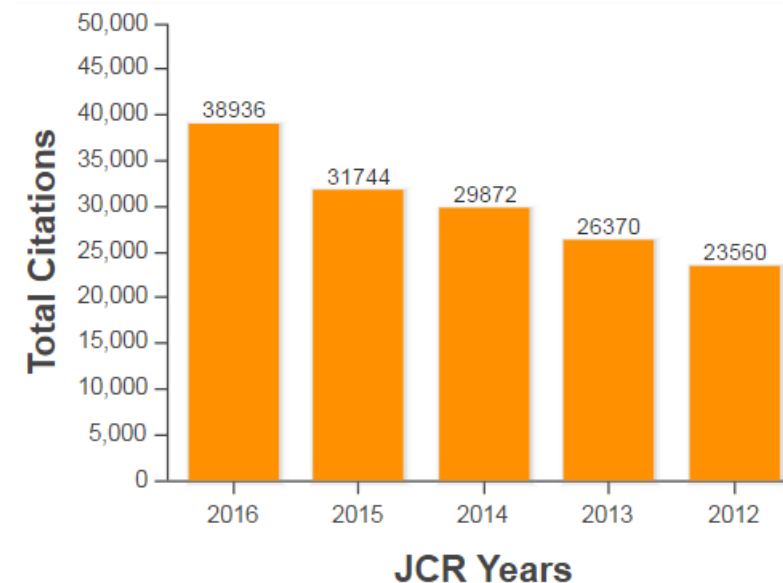
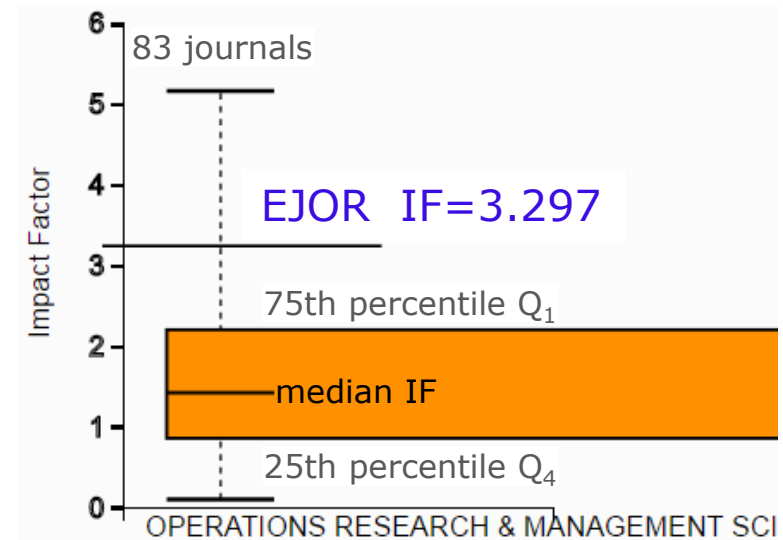


- ✓ European Journal of Operational Research
- ✓ Operations Research
- ✓ Management Science
- ✓ Operations-Research-Spektrum
- ✓ Mathematics of Operations Research
- ✓ Annals of Operations Research

SNIP measures contextual citation impact by weighting citations based on the total number of citations in a subject field

Journal Citation Report 2016 (Web of Science)

	Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
1	JOURNAL OF OPERATIONS MANAGEMENT	8,425	5.207	0.00741
2	OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE	6,331	4.029	0.00879
3	EXPERT SYSTEMS WITH APPLICATIONS	31,192	3.928	0.05488
4	IEEE Systems Journal	2,327	3.882	0.00660
5	TRANSPORTATION RESEARCH PART B-METHODOLOGICAL	8,518	3.769	0.01212
6	INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS	15,820	3.493	0.02111
7	EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	38,936	3.297	0.04483
8	TRANSPORTATION SCIENCE	4,456	3.275	0.00500
9	TECHNOVATION	4,911	3.265	0.00391
10	DECISION SUPPORT SYSTEMS	8,109	3.222	0.01153
11	RELIABILITY ENGINEERING & SYSTEM SAFETY	9,362	3.153	0.01284
12	TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW	4,427	2.974	0.00800
13	MANAGEMENT SCIENCE	26,642	2.822	0.03586



From the Editorial Policy of EJOR

- The *European Journal of Operational Research* (EJOR) publishes high quality, original papers that advance the methodology of Operational Research and the practice of decision making.
- Extended view: papers should be of interest to a wide range of OR practitioners, not confined to specialists of a narrow topic.
- open doors for innovative papers laying across borders of typical OR sections (papers which are risking rejection in journals with departmental structure)
- wide range of the scope, going from **soft OR** to **mathematics of OR**
- large readership, not confined to specialists of a narrow topic
- application papers, originality should be demonstrated by applying OR to a problem with interesting new aspects or by providing fresh insights leading to successful implementation.

Types of papers

■ Theory & Methodology Papers:

1. Continuous Optimization
2. Discrete Optimization
3. Production, Manufacturing, Transportation and Logistics
4. Stochastics and Statistics
5. Decision Support
6. Analytics, Computational Intelligence and Information Management
7. Interfaces with Other Discipline

■ Innovative Applications of OR

(application of OR to a problem with interesting new aspects or providing fresh insights able to convince managers of the value to be gained by applying OR to particular problems)

■ Short Communications

(only if they correct important errors found in papers published recently in EJOR)

■ Invited Reviews

(a creative synthesis of the work recently done in an important field;
solicited upon invitation by the editors, based on an advanced draft)

General Information

EJOR on the website



European Journal of Operational Research

Supports open access

13.2

CiteScore

6.0

Impact Factor

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Editors-in-Chief

About the journal

Published in collaboration with the [Association of European Operational Research Societies \(EURO\)](#)

326 days ⓘ

Submission to acceptance

51 days ⓘ

Acceptance to publication

13% ⓘ

Acceptance Rate

Co-ordinating Editor in Chief | [View full editorial board](#)



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[View full biography](#)



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University of Porto, Faculty of Engineering, Porto, Portugal

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Karlsruhe, Germany



R. Teunter, PhD

University of Groningen, Faculty of Economics and Business,
Groningen, Netherlands



M. Yearworth, PhD

University of Exeter Business School, Exeter, United Kingdom

EURO Award for the Best EJOR Paper

Best Paper Awards 2024 - European Journal of Operational Research

The European Journal of Operational Research (EJOR): best survey paper; best application paper; and best theory/methodology. A specially appointed jury assess papers published in EJOR and the award, named the 'EURO Award for the Best EJOR Paper (EABEP)', is presented to authors of one paper in each category at the EURO or IFORS conference.

The best innovative application, review, and theory and methodology papers were selected by a jury. Enjoy free online access to the papers below:

Innovative applications of OR

Pamela C. Nolz, Nabil Absi, Dominique Feillet, and Clóvis Seragiotto[The consistent electric-vehicle routing problem with backhauls and charging management](#)

Volume 302; Pages 700-716

European Journal of Operational Research

Review

Claudio Gambella, Bissan Ghaddar, and Joe Naoum-Sawaya[Optimization problems for machine learning: A survey](#)

Volume 290; Pages 807-828

European Journal of Operational Research

Theory and Methodology

Marco Cinelli, Miłosz Kadziński, Grzegorz Miebs, Michael Gonzalez, and Roman Słowiński

[Recommending multiple criteria decision analysis methods with a new taxonomy-based decision support system](#)

Volume 302; Pages 633-651

European Journal of Operational Research

Emanuele Borgonovo:

Editors' Choice, February 2025

Ying Zhong, Jianzhong Du, Deng-Feng Li, Zhaolin Hu. Reference alternatives based knockout-tournament procedure for ranking and selection. *European Journal of Operational Research*, Volume 320, Issue 3, 1 February 2025, Pages 628-641, <https://doi.org/10.1016/j.ejor.2024.08.031>

José Fernando Oliveira:

Cagla F. Dursunoglu, Okan Arslan, Sebnem Manolya Demir, Bahar Y. Kara, Gilbert Laporte.

A unifying framework for selective routing problems. *European Journal of Operational Research*, Volume 320, Issue 1, 2025, Pages 1-19, <https://doi.org/10.1016/j.ejor.2024.02.037>

Steffen Rebennack:

Lucas Parada, Robin Legault, Jean-François Côté, Michel Gendreau. A disaggregated integer L-shaped method for stochastic vehicle routing problems with monotonic recourse. *European Journal of Operational Research*, Volume 318, Issue 2, 16 October 2024, Pages 520-533, <https://doi.org/10.1016/j.ejor.2024.05.012>

Roman Słowiński:

Danny Hermelin, Hendrik Molter, Rolf Niedermeier, Michael Pinedo, Dvir Shabtay. Fairness in repetitive scheduling. *European Journal of Operational Research*. In Press, Available online 6 January 2025, <https://doi.org/10.1016/j.ejor.2024.12.052>

Ruud Teunter:

Evangelos Theodorou, Evangelos Spiliotis, Vassilios Assimakopoulos. Forecast accuracy and inventory performance: Insights on their relationship from the M5 competition data. *European Journal of Operational Research*, Volume 322, Issue 2, 2025, Pages 414-426, <https://doi.org/10.1016/j.ejor.2024.12.033>

Mike Yearworth:

Maria D. Guillen, Juan Aparicio, Magdalena Kapelko, Miriam Esteve. Measuring environmental inefficiency through machine learning: An approach based on efficiency analysis trees and by-production technology. *European Journal of Operational Research*, Volume 321, Issue 2, 2025, Pages 529-542, <https://doi.org/10.1016/j.ejor.2024.10.003>

Every 6
months,
the Editors
recommend
6 papers
that are
becoming
open-access
for next 6
months

Feature clusters/special issues of EJOR in 2024



European Journal of Operational Research

Volume 317, Issue 2, 1 September 2024, Pages 243-248



European Journal of Operational Research

Volume 317, Issue 3, 16 September 2024, Pages 643-645



Editorial

Explainable Analytics for Operational Research

Koen W. De Bock  , Kristof Coussement, Arno De Caigny



European Journal of Operational Research

Volume 319, Issue 2, 1 December 2024, Pages 345-346



Editorial

The future of transport: Coordination in a new field between public and private transport

Hillel Bar-Gera  , Marco Bijvank  , Florian Jaehn  , Simone Neumann  , Sandra Transchel  

Guest editorial to the special issue of the 32nd European Conference on Operational Research in Espoo (Finland)

Antti Punkka  , Dolores Romero Morales  

In progress:

- ***The 33rd EURO Conference 2024***, Guest Editors: Dario Pacino and Marta Szachniuk
- ***The Complexity of the Energy Transition***, Guest Editors: Peter Kort, Francesco Menoncin, Jacco Thijssen and Sergio Vergalli

How EJOR celebrates the 50 anniversary of EURO



- EJOR **invited reviews** tracing the evolution of key subfields in OR:

Corresponding Author Name	Article Title	DOI
Claudia Archetti (ITALY)	Fifty Years of Vehicle Routing: Insights into the History and the Future	10.1016/j.ejor.2025.06.014
Christian Artigues (FRANCE)	Fifty Years of Research in Resource-Constrained Project Scheduling Explored from Different Perspectives	10.1016/j.ejor.2025.03.024
Steffen Rebennack (GERMANY)	Fifty Years of Power Systems Optimization	10.1016/j.ejor.2025.05.022
Roberto Reno (ITALY)	Fifty Years at the Interface Between Financial Modeling and Operational Research	10.1016/j.ejor.2025.01.001
Ali Emrouznejad (UK)	Fifty Years of Data Envelopment Analysis	10.1016/j.ejor.2024.12.049
Murat Koksalan (USA)	Fifty Years of Multi-Objective Optimization: From Mathematical Programming to Evolutionary Computation	10.1016/j.ejor.2025.06.012
Jeroen Belien (BELGIUM)	Fifty Years of Operational Research Applied to Healthcare	10.1016/j.ejor.2024.12.040
M. Zied Babai (FRANCE)	Fifty Years of Inventory Research from a Forecasting Perspective	
Jan Kronqvist (SWEDEN)	Fifty Years of Mixed-Integer Nonlinear and Disjunctive Programming	
Emanuele Borgonovo (ITALY)	Fifty Years of Decision Analysis in Operational Research: A Review	10.1016/j.ejor.2025.05.023
Jeff Hong (USA)	Fifty Years of Stochastic Simulation: Where we are and Where we Need to Go	
Leroy White (UK)	Fifty Years of Soft OR: The Contribution of EURO and EJOR to its Foundation and Developmnet	10.1016/j.ejor.2025.05.040
Ivana Ljubic (FRANCE)	Last Fifty Years of Integer Linear Programming: A Focus on Recent Practical Advances	10.1016/j.ejor.2024.11.018
Jochen Goensch (GERMANY)	Fifty Years of Revenue Management	
Sandra Transchel (GERMANY)	Fifty Years of Closed-Loop Supply Chains for Reusable Products: A Review and Future Research	
Enrico Zio (ITALY)	Fifty Years of Reliability in Operations Research	10.1016/j.ejor.2024.09.010
Roman Słowiński (POLAND)	Fifty Years of Multiple Criteria Decision Analysis: From Classical Methods to Robust Ordinal Regression	10.1016/j.ejor.2024.07.038
Dick den Hertog (NETHERLANDS)	Fifty Years of Robust Optimization	
Robert N. Boute (BELGIUM)	Fifty Years of Maintenance Optimization: Reflections and Perspectives	10.1016/j.ejor.2024.07.002
Rafael Marti (SPAIN)	Fifty Years of Metaheuristics	10.1016/j.ejor.2024.04.004
Nils Boysen (GERMANY)	Fifty Years of Warehousing Research - An Operations Research Perspective	10.1016/j.ejor.2024.03.026
Ahti Salo (FINLAND)	Fifty Years of Portfolio Optimisation	10.1016/j.ejor.2023.12.031
Kjell Hausken (NORWAY)	Fifty Years of Operations Research in Defense	10.1016/j.ejor.2023.12.023
Jean Charles Billaut (FRANCE)	Fifty Years of Research in Scheduling - Theory and Applications	10.1016/j.ejor.2025.01.034
Vladimir Marianov (CHILE)	Fifty Years of Location Theory - A Selective Review	10.1016/j.ejor.2024.01.036

- The Editors of EJOR have invited distinguished specialists, who have demonstrated their competencies through publications in EJOR over the past decade or so, to participate in this endeavor.

Invited Reviews in Celebration of the 50th Anniversary of EURO

European Journal of Operational Research 318 (2024) 1–18



Contents lists available at ScienceDirect

European Journal of Operational Research

journal homepage: www.elsevier.com/locate/eor



Invited Review in Celebration of the 50th Anniversary of EURO

Fifty years of portfolio optimization

Ahti Salo^{a,*}, Michalis Doumpos^c, Juuso Liesiö^b, Constantin Zopounidis^{c,d}

^a Department of Mathematics and Systems Analysis, Aalto University School of Science, Finland

^b Department of Information and Service Management, Aalto University School of Business, Finland

^c Financial Engineering Laboratory, School of Production Engineering and Management, Technical University of Crete, Greece

^d Audencia Business School, France



ARTICLE INFO

Keywords:

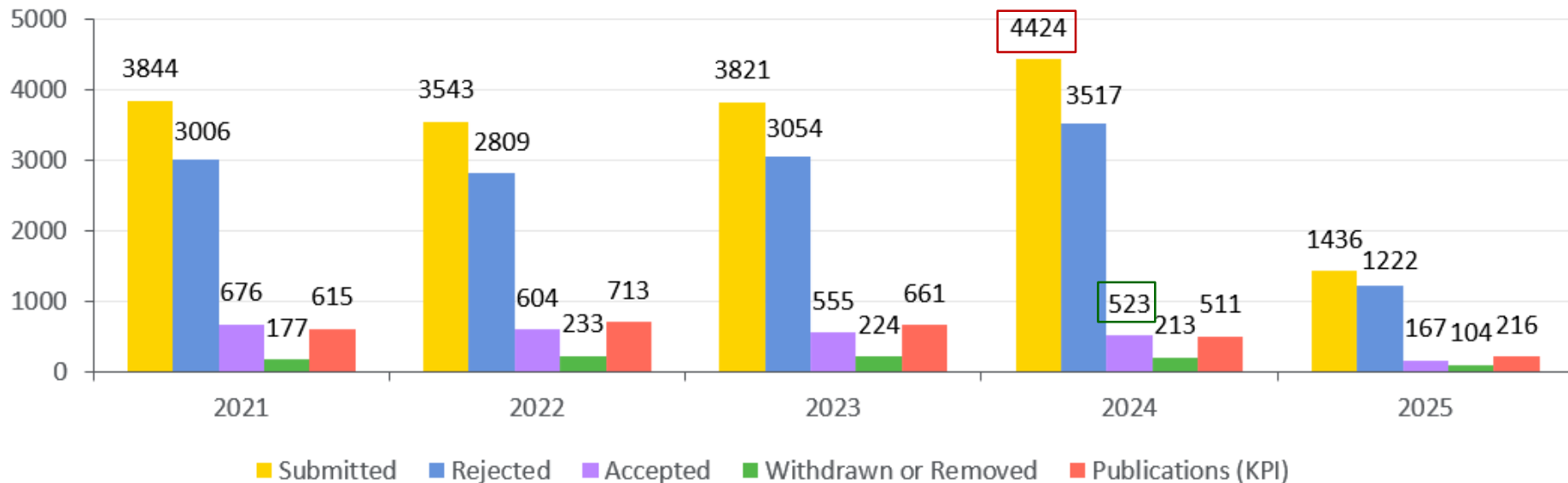
Portfolio optimization
Multiattribute value/utility theory
Multicriteria decision aiding
Portfolio decision analysis
Resource allocation

ABSTRACT

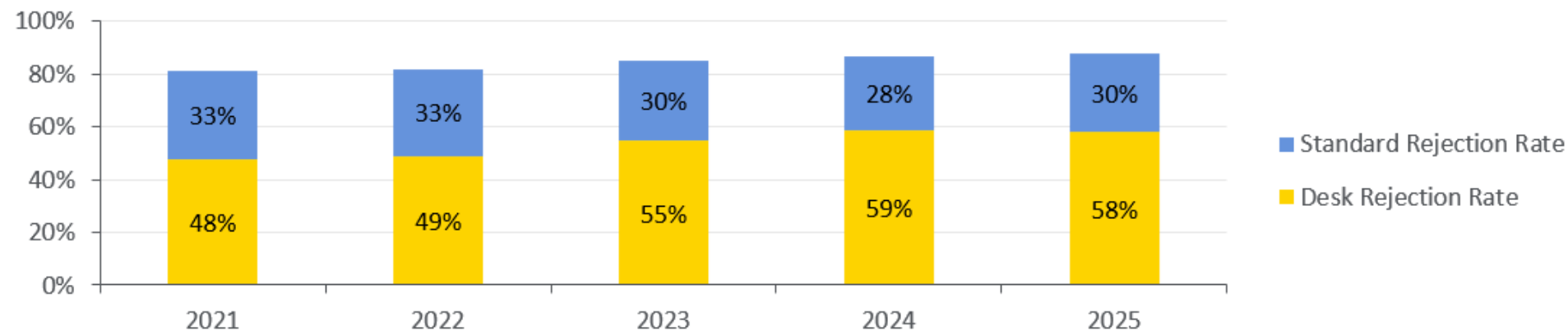
The allocation of resources to alternative investment opportunities is one of the most important decisions organizations and individuals face. These decisions can be guided by building and solving portfolio optimization models that capture the salient aspects of the investment problem, including decision-makers' preferences, multiple objectives, and decision opportunities over the planning horizon. In this paper, we give a historically grounded overview of portfolio optimization which, as a field within operational research with roots in finance, is vast thanks to many decades of research and the huge diversity of problems that have been tackled. In particular, we provide a unified and therefore unique treatment that covers the full breadth of portfolio optimization problems, including, for instance, the allocation of resources to financial assets and the selection of indivisible assets such as R&D projects. We also identify opportunities for future methodological and applied research, hoping to inspire researchers to contribute to the growing field of portfolio optimization.

Manuscript Flow

Submissions, Editorial Outcomes and Published Counts

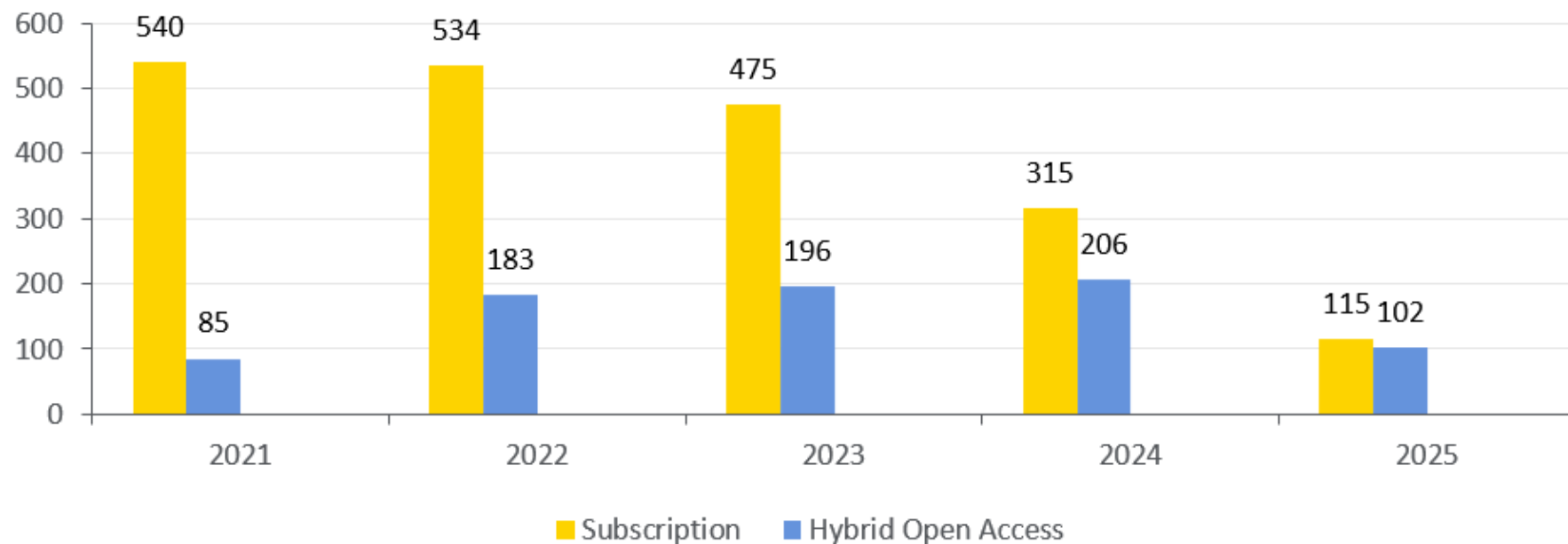


Rejection Rate



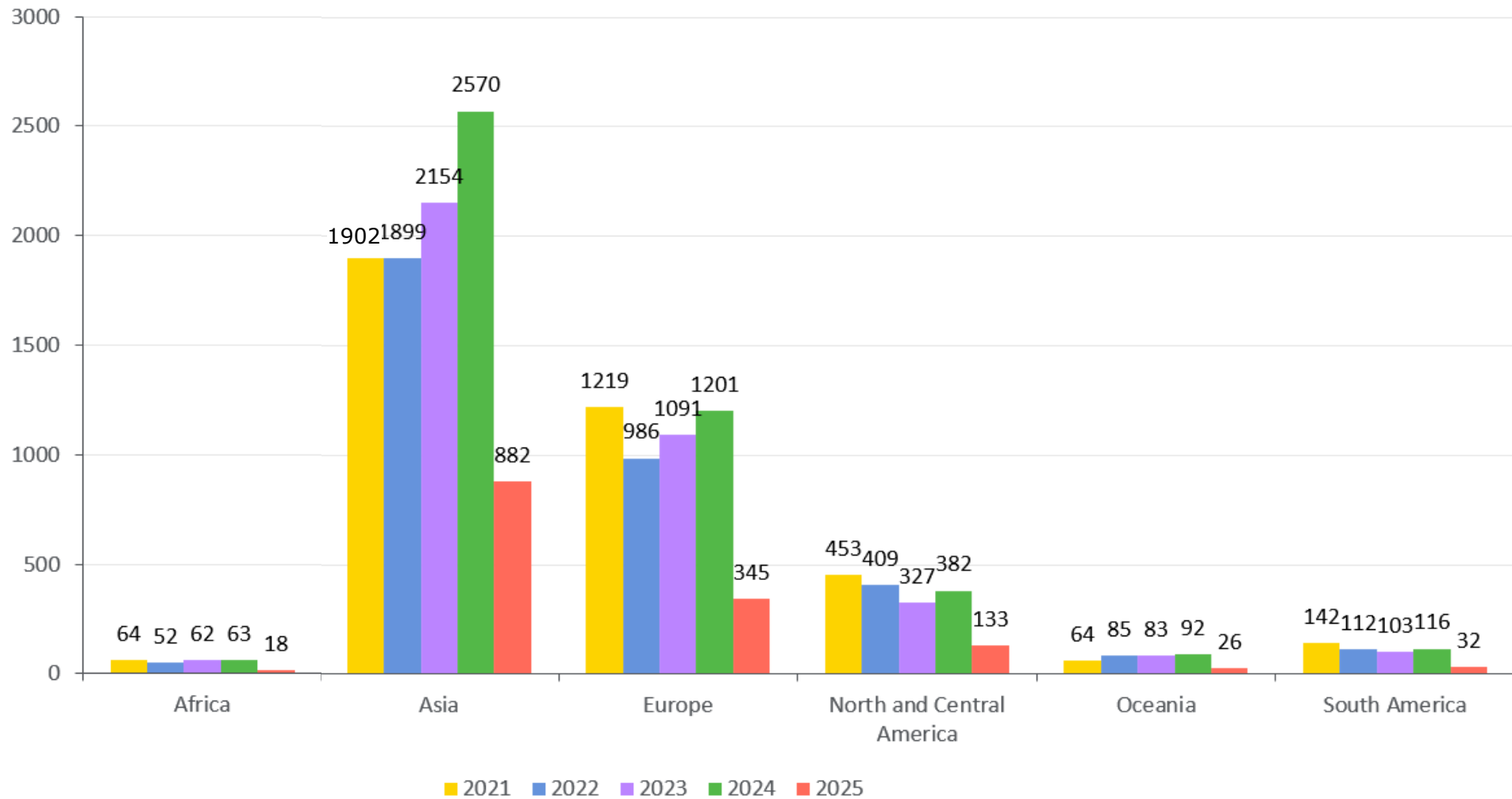
Acceptance rate in 2024: ~13%

EJOR – published articles by access type

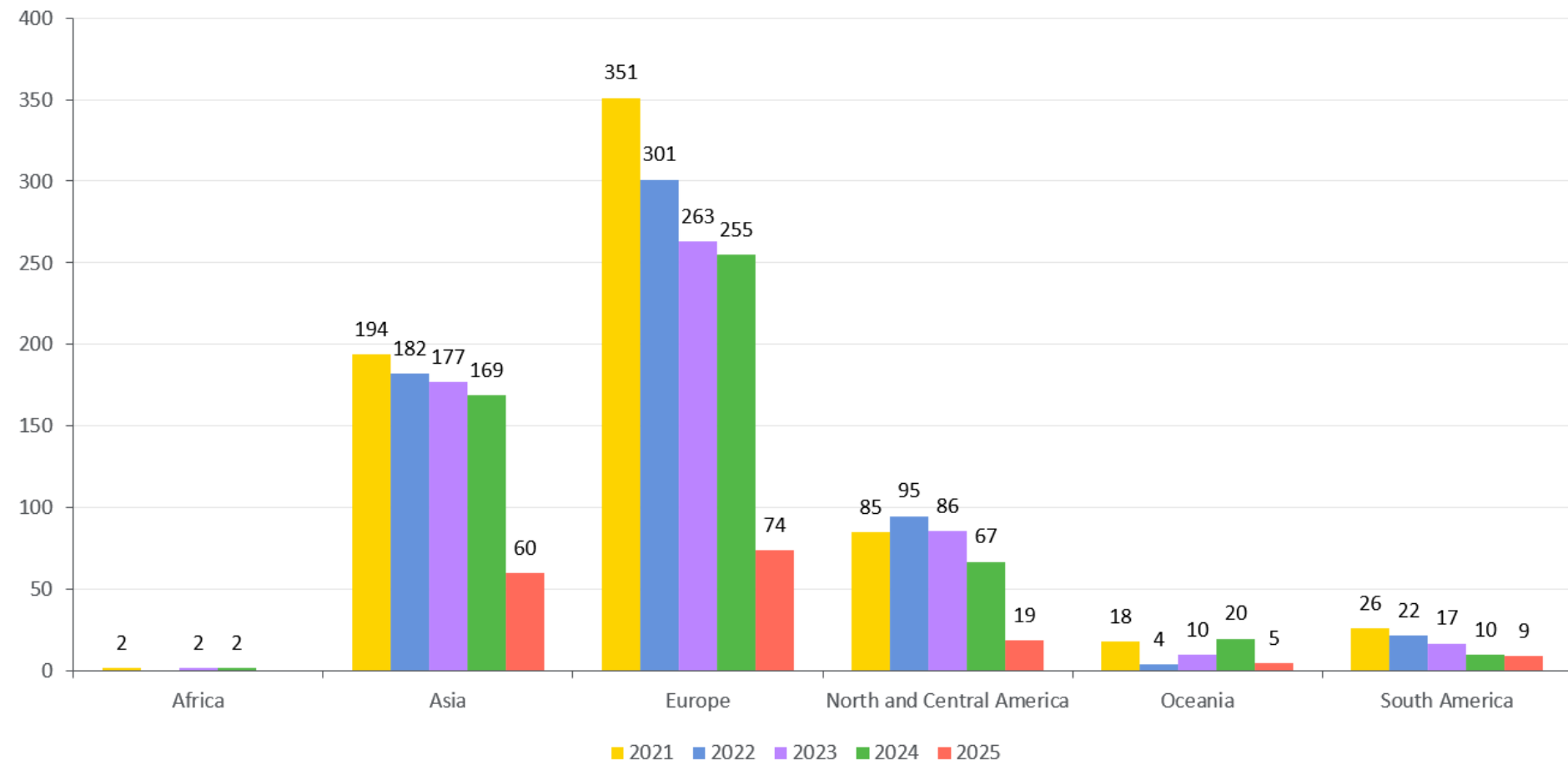


Year	Hybrid Open Access	Subscription
2021	85	540
2022	183	534
2023	196	475
2024	206	315
2025	102	115

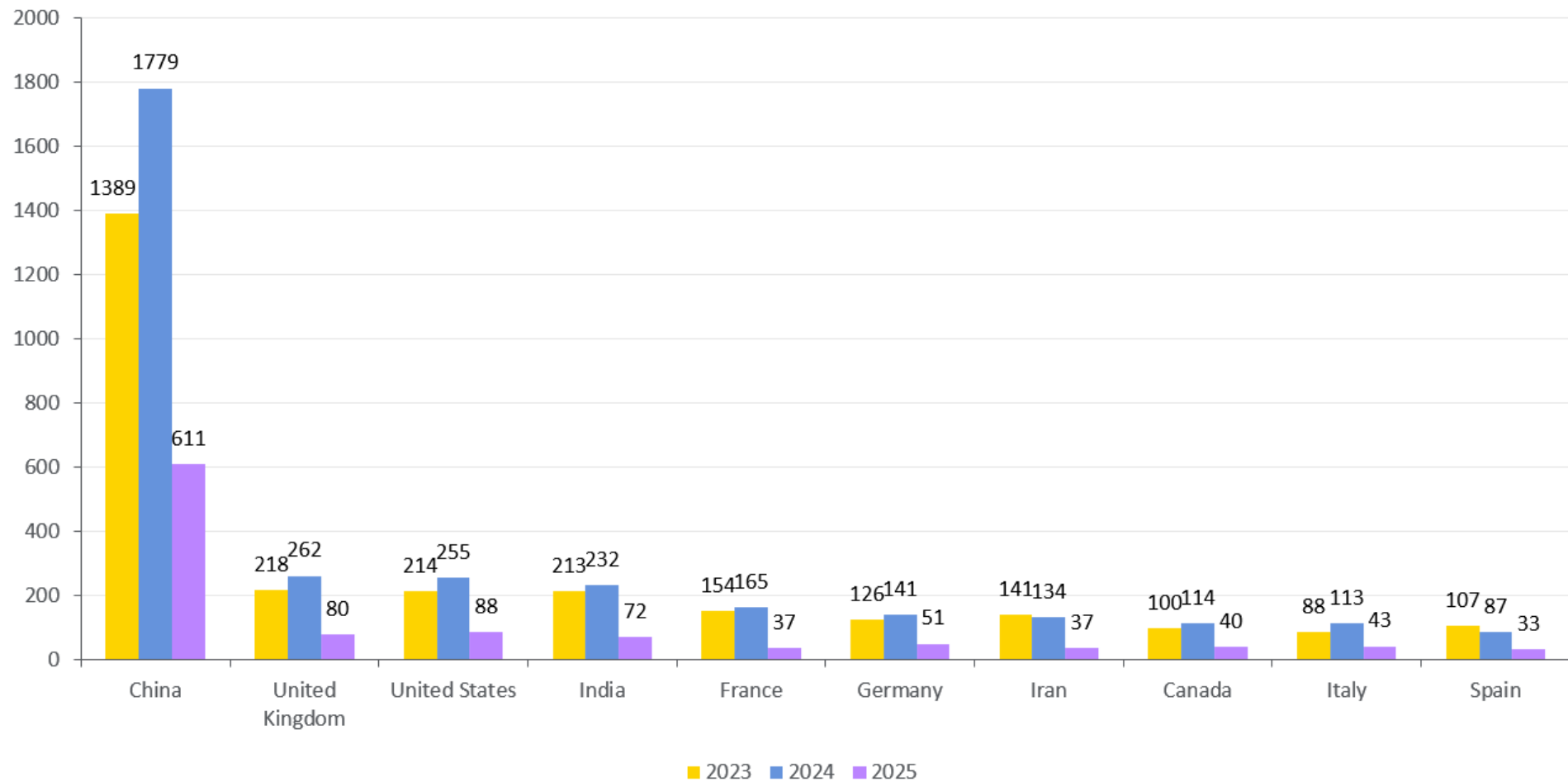
Submitted Articles by Continent



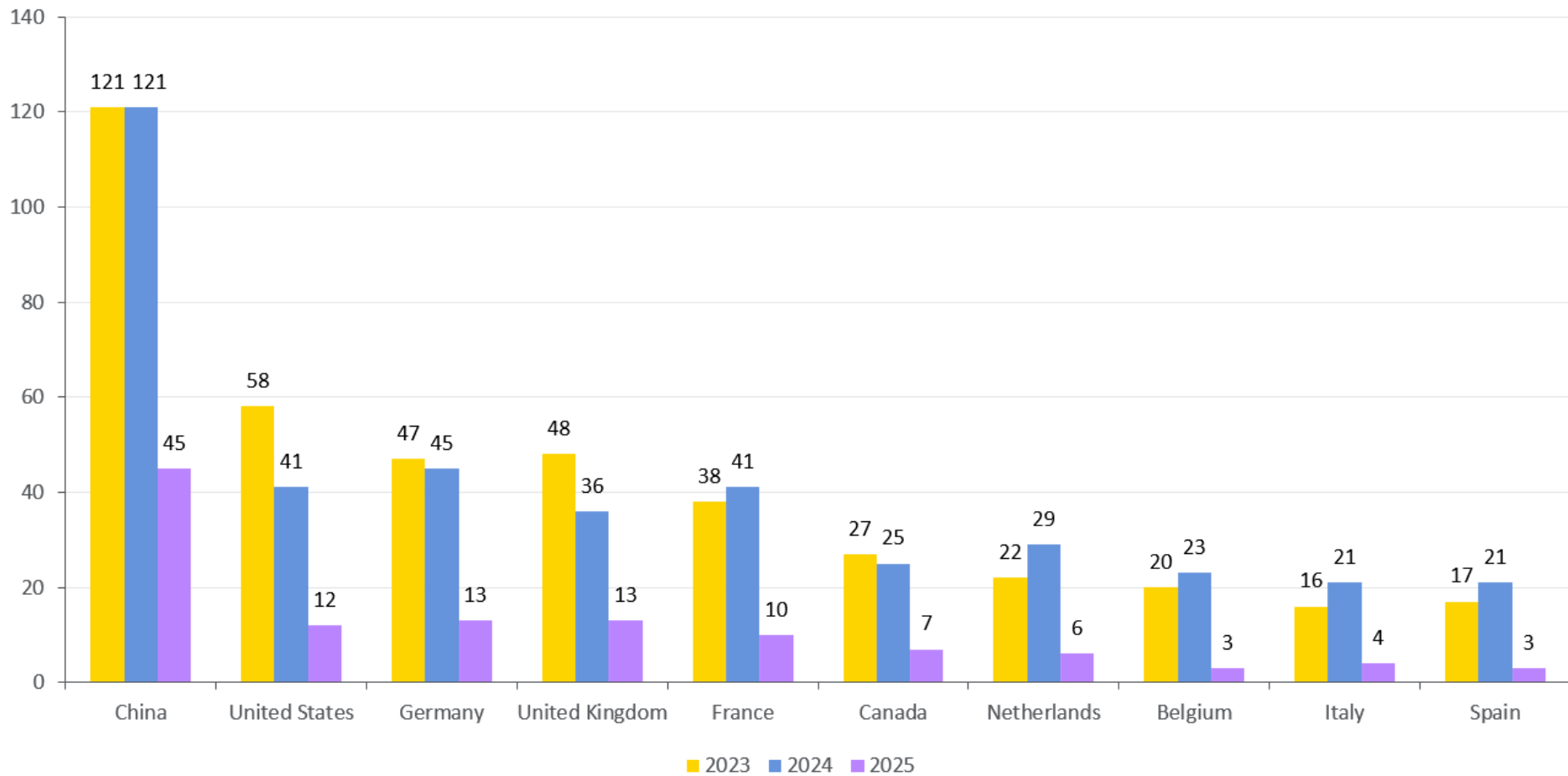
Accepted Articles by Continent



Trend in Top 10 Countries by Submissions



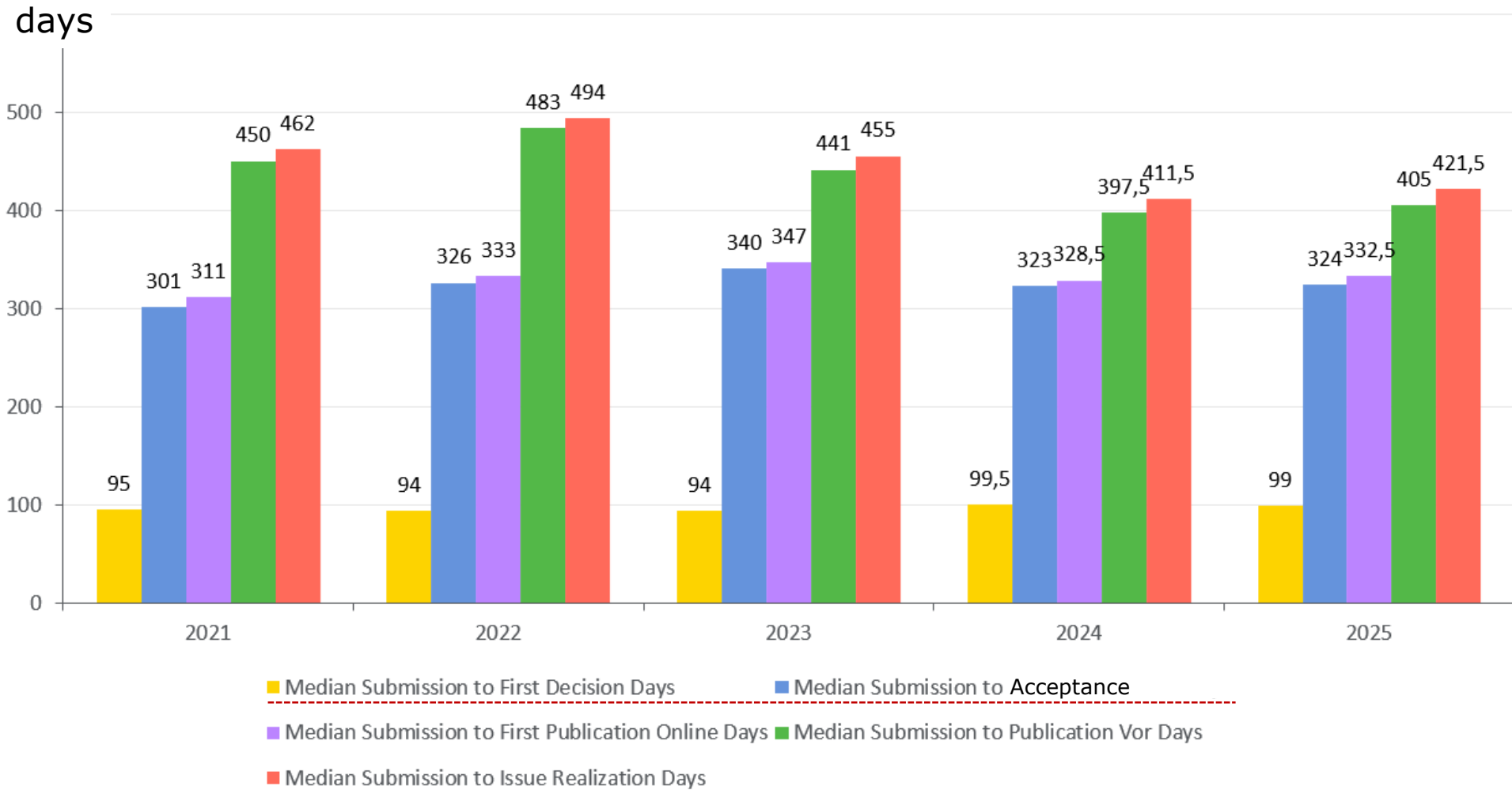
Trend in Top 10 Countries by Acceptances



Speed



Median Editorial & Publication Speeds for Published Articles



Reviewers

EJOR – peer review process

- **~15 000** review invites are sent per year – average efficiency **45%**
- Peer Reviews per Accepted Article

In average 2024:

- **6.5** reviewers invited/acc. article
 - **2.8** reviewers completed/acc. article
 - **5.9** reviews used/acc. article
- **97%** of papers accepted in 2024 underwent at least 1 Major Revision

Reviewers awarded in 2025 for their work in 2024

Achyutha	Krishnamoorthy	Dong	Chuanwen	Maenhout	Broos
Agnetis	Alessandro	Doumpos	Michalis	Maldonado	Sebastian
An	Qingxian	Ellington	Michael	Matsushima	Noriaki
Archetti	Claudia	Fontaine	Pirmin	Minner	Stefan
Baesens	Bart	Goensch	Jochen	Rachev	Zari
Belien	Jeroen	Hu	Qian	Recchioni	Maria
Boysen	Nils	Kaya	Anil	Rodrigues	Filipe
Branke	Juergen	Kirkbride	Christopher	Shabtay	Dvir
Caramia	Massimiliano	Kolassa	Stephan	Siddiqui	Afzal
Ruiz	Carlos	Kou	Gang	Vanhoucke	Mario
Chen	Kebing	Kovalyov	Mikhail	Vetschera	Rudolf
Choi	Tsan-Ming	Kyriakou	Ioannis	Wozabal	David
Corrente	Salvatore	Laporte	Gilbert	Zenny	Yusuke
Csató	László	Lassance	Nathan	Zhou	Xiaoyang
Cui	Zhenyu	Legros	Benjamin	Zhu	Joe
Demeulemeester	Erik	Lessmann	Stefan	Zopounidis	Constantin
Dias	Luis	Lozano	Sebastián		

Awards for reviewers - certificate



Popular Keywords

1	SUBMISSIONS			
Keyword	2022	2023	2024	Total
Supply chain management	343	384	434	1161
Data envelopment analysis	144	148	161	453
Game theory	122	136	179	437
Finance	142	137	148	427
Decision analysis	94	121	152	367
Transportation	150	100	113	363
Scheduling	109	107	114	330
Combinatorial optimization	95	105	127	327
OR in energy	63	73	166	302
Logistics	87	91	76	254
OR in health services	80	88	82	250
Decision support systems	69	71	95	235
Routing	58	77	83	218
Multiple criteria analysis	70	60	72	202
Inventory	70	56	70	196
Machine learning	54	59	82	195
E-commerce	60	51	82	193
Analytics	69	43	59	171

ACCEPTANCES			
2022	2023	2024	Total
38	34	13	85
27	31	14	72
9	13	3	25
11	10	14	35
6	16	5	27
36	20	9	65
35	29	26	90
27	14	13	54
13	17	8	38
12	16	8	36
10	15	10	35
12	7	5	24
13	25	13	51
10	8	12	30
17	6	7	30
5	10	8	23
9	5	3	17
19	6	5	30

2	SUBMISSIONS			
Keyword	2022	2023	2024	Total
OR in marketing	41	47	71	159
Portfolio optimization	45	66	47	158
Forecasting	51	61	46	158
Pricing	42	56	56	154
Risk management	41	44	45	130
Data science	46	38	45	129
Artificial intelligence	32	34	62	128
Group decisions & negotiations	22	41	56	119
Multiple objective programming	37	30	45	112
Reliability	28	36	46	110
Risk analysis	34	32	39	105
OR in environ. & climate change	35	23	43	101
Maintenance	28	31	42	101
Simulation	29	41	30	100
Behavioural OR	29	28	39	96
Location	30	31	33	94
Metaheuristics	14	36	40	90
Queueing	23	25	40	88

ACCEPTANCES			
2022	2023	2024	Total
7	6	3	16
10	9	3	22
5	3	2	10
7	3	1	11
4	3	3	10
3	4	1	8
0	0	1	1
3	4	8	15
8	5	4	17
2	1	4	7
7	4	2	13
1	0	0	1
4	8	1	13
4	3	8	15
2	2	3	7
8	9	3	20
5	5	6	16
2	2	6	10

3	SUBMISSIONS			
Keyword	2022	2023	2024	Total
Manufacturing	26	26	36	88
Production	27	21	35	83
OR in sports	42	18	18	78
Uncertainty modelling	21	27	26	74
Stochastic programming	28	23	22	73
OR in maritime industry	20	22	30	72
Retailing	23	17	32	72
OR in banking	19	21	31	71
OR in service industries	26	18	27	71
Decision processes	11	30	29	70
Networks	26	21	22	69
Humanitarian logistics	23	15	26	64
Integer programming	31	14	19	64
Robust Optimization	6	27	31	64
Productivity & competitiveness	29	15	20	64
Investment analysis	15	22	25	62
Nonlinear programming	20	19	23	62
Revenue management	24	18	20	62

ACCEPTANCES			
2022	2023	2024	Total
4	3	1	8
4	0	1	5
6	3	2	11
4	2	2	8
6	6	3	15
3	5	4	12
4	3	1	8
2	3	5	10
4	0	2	6
1	1	1	3
4	2	2	8
4	3	0	7
10	5	1	16
4	5	5	14
4	2	0	6
2	3	2	7
1	2	2	5
6	0	4	10

4	SUBMISSIONS			
Keyword	2022	2023	2024	Total
Fuzzy sets	21	25	15	61
Packing	13	18	29	60
OR in disaster relief	15	22	21	58
Heuristics	23	16	18	57
Applied probability	19	17	21	57
Global optimization	20	19	18	57
Project scheduling	22	19	15	56
OR in agriculture	19	19	16	54
Dynamic programming	18	15	16	49
Travelling salesman	21	10	17	48
Evolutionary computations	17	13	18	48
Quality control	16	13	17	46
System dynamics	7	18	21	46
Project management	12	10	22	44
Facilities planning and design	14	12	17	43
Stochastic processes	10	15	17	42
OR in government	8	19	14	41
Multivariate statistics	9	14	15	38

ACCEPTANCES			
2022	2023	2024	Total
1	2	0	3
2	5	6	13
4	3	2	9
9	3	3	15
2	2	0	4
2	2	1	5
8	8	3	19
4	2	0	6
3	3	1	7
5	2	0	7
1	1	1	3
0	1	1	2
1	4	1	6
0	0	3	3
2	1	1	4
2	2	0	4
4	2	0	6
0	0	1	1

5	SUBMISSIONS			
Keyword	2022	2023	2024	Total
Linear programming	9	12	16	37
Assignment	7	12	18	37
Strategic planning	11	10	15	36
Graph theory	11	18	6	35
OR in research & development	5	15	15	35
Genetic algorithms	10	11	12	33
Computing science	7	13	13	33
Large scale optimization	10	13	10	33
Traffic	16	10	7	33
Multi-agent systems	7	11	15	33
Control	7	13	12	32
Flexible manufacturing systems	6	15	10	31
OR in airlines	11	8	12	31
Quality management	13	10	8	31
Distribution	9	12	9	30
OR in defense	7	9	13	29
OR in societal problem analysis	6	11	12	29
Markov processes	5	14	9	28

ACCEPTANCES			
2022	2023	2024	Total
2	0	1	3
2	2	1	5
0	1	0	1
1	0	0	1
0	0	0	0
0	0	0	0
0	1	0	1
3	2	0	5
2	1	0	3
1	2	1	4
1	1	0	2
2	2	0	4
4	2	0	6
2	2	2	6
3	3	0	6
0	4	1	5
2	0	1	3
0	1	1	2

6	SUBMISSIONS			
Keyword	2022	2023	2024	Total
OR in natural resources	8	11	9	28
Auctions/bidding	14	5	8	27
OR in developing countries	10	8	6	24
Cost benefit analysis	2	9	12	23
Problem structuring	5	15	3	23
OR in medicine	2	9	9	20
Cutting	5	8	6	19
Timetabling	10	3	6	19
Human resource planning	6	8	4	18
Complexity theory	2	5	10	17
OR in organization theory	7	6	3	16
OR in telecommunications	4	6	6	16
Distributed decision making	5	4	6	15
Knowledge-based systems	5	1	9	15
Education	5	3	6	14
Utility theory	4	3	6	13
Branch and bound	4	3	6	13
Goal programming	7	3	3	13

ACCEPTANCES			
2022	2023	2024	Total
0	2	1	3
4	1	0	5
2	1	0	3
0	1	0	1
1	4	1	6
1	2	0	3
1	2	2	5
0	0	0	0
0	1	0	1
0	0	1	1
0	0	0	0
0	0	1	1
0	1	2	3
0	0	0	0
1	0	0	1
0	0	0	0
0	1	2	3
1	1	0	2

	SUBMISSIONS			
Keyword	2022	2023	2024	Total
Community operational research	2	7	3	12
OR in Education		2	8	10
Ethics in OR	3	2	5	10
Convex programming	8	1		9
Fractional programming	3	3	3	9
Preference learning	1	5	3	9
Scenarios	1	2	5	8
Replacement	2	3	3	8
Rough sets	1	4	3	8
Purchasing	1	3	4	8
Sensitivity Analysis			5	5
Bioinformatics		2	3	5
Conic program. & interior point	2	1	2	5
OR in entertainment	1	2		3
Validation of OR computations	2	1		3
OR in scientometrics	1	1		2
Semi-infinite programming	1			1

ACCEPTANCES			
2022	2023	2024	Total
1	0	0	1
0	0	0	0
0	0	0	0
1	0	0	1
1	0	0	1
0	1	0	1
0	1	1	2
0	0	0	0
1	0	1	2
0	0	0	0
0	0	0	0
0	1	0	1
1	1	0	2
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

Increased focus on OR

- With the current pressure on publications in top tier journals, the number of submissions to EJOR has grown significantly.
- In this situation, the Editors of EJOR had to adjust their editorial policy and became more strict regarding the focus of the submissions on Operational Research (OR).
- Although diversity and interface of OR with other disciplines are still strong points of EJOR, the Editors are now more demanding regarding the centrality of the use of OR methodology to support decision-making on real-world inspired problems.

Journal Bibliometrics

SCOPUS CiteScore 2023 & 2024

CiteScore 2023

11.9 = $\frac{31\,027 \text{ Citations } 2020 - 2023}{2606 \text{ Documents } 2020 - 2023}$

Calculated on 05 May, 2024

CiteScore rank 2023

Category	Rank	Percentile
Mathematics		
Modeling and Simulation	#10/324	97th
Decision Sciences		
Management Science and Operations Research	#14/207	93rd
Computer Science		
General Computer Science	#20/232	91st
Decision Sciences		
Information Systems and Management	#15/148	90th

CiteScore 2024

13.2 = $\frac{34,140 \text{ Citations } 2021 - 2024}{2,586 \text{ Documents } 2021 - 2024}$

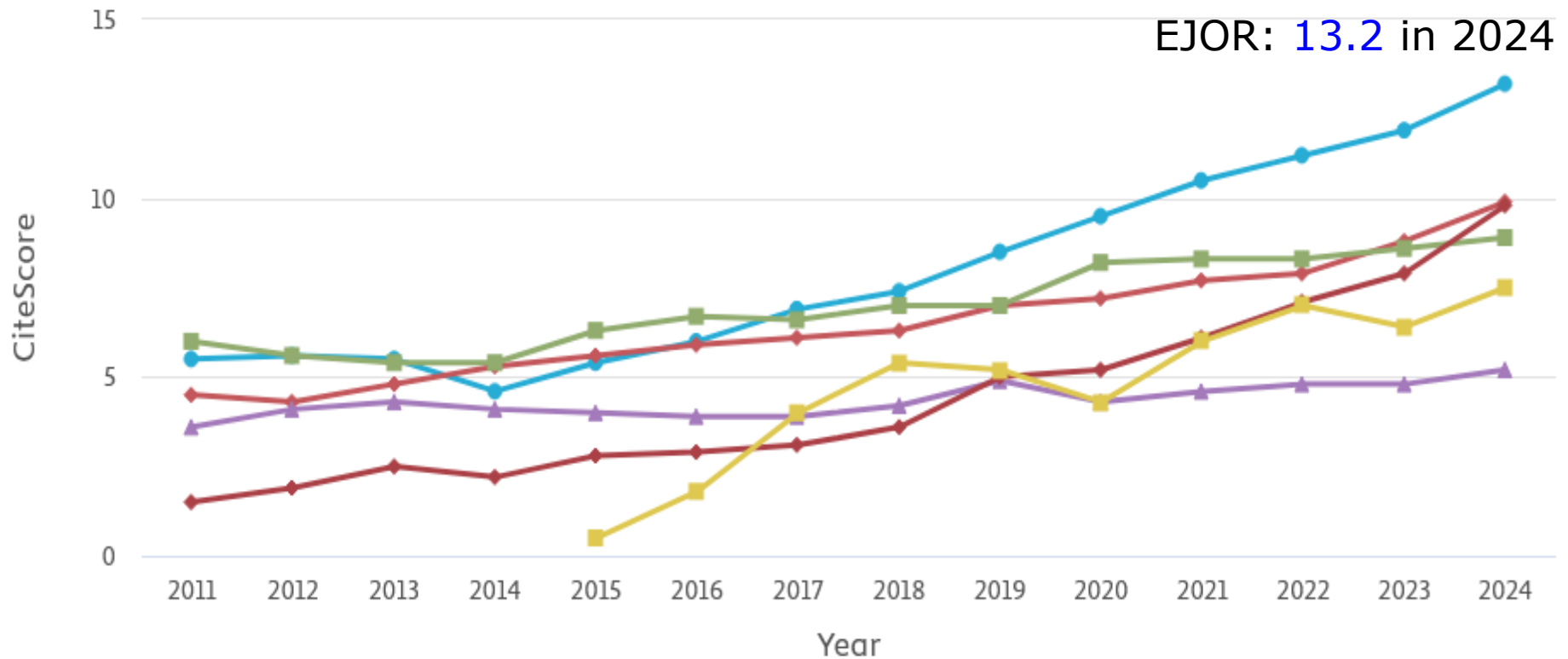
Calculated on 05 May, 2025

CiteScore rank 2024

Category	Rank	Percentile
Mathematics		
Modeling and Simulation	#6/361	98th
Decision Sciences		
Management Science and Operations Research	#14/218	93rd
Computer Science		
General Computer Science	#17/239	93rd
Decision Sciences		
Information Systems and Management	#15/190	92nd

CiteScore of leading MS & OR journals

CiteScore publication by year [?](#)

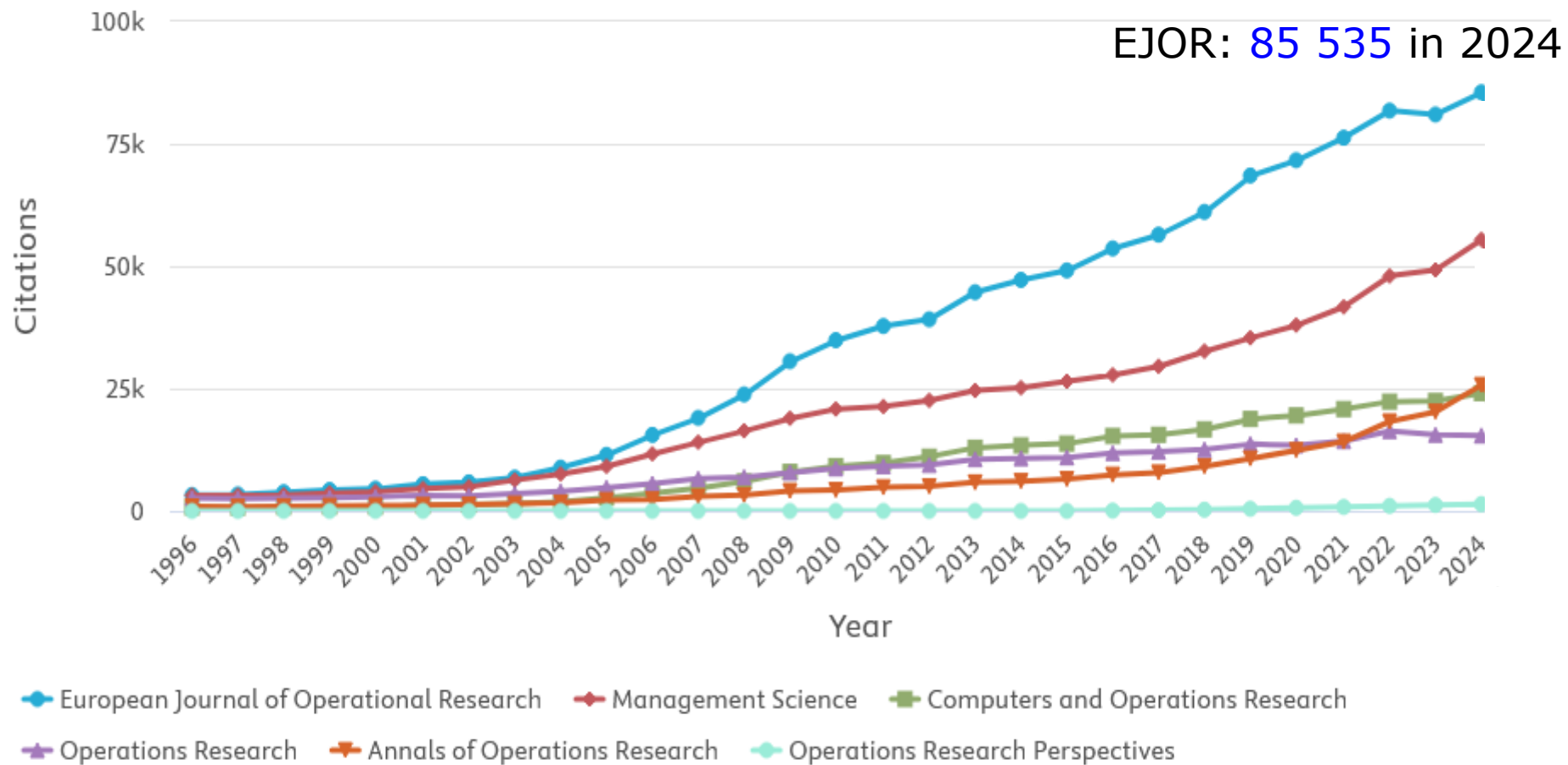


European Journal of Operational Research Management Science Computers and Operations Research
Operations Research Annals of Operations Research Operations Research Perspectives

Calculations last updated: 11 Jun 2025

Total cites of leading MS & OR journals per year

Source citations by year



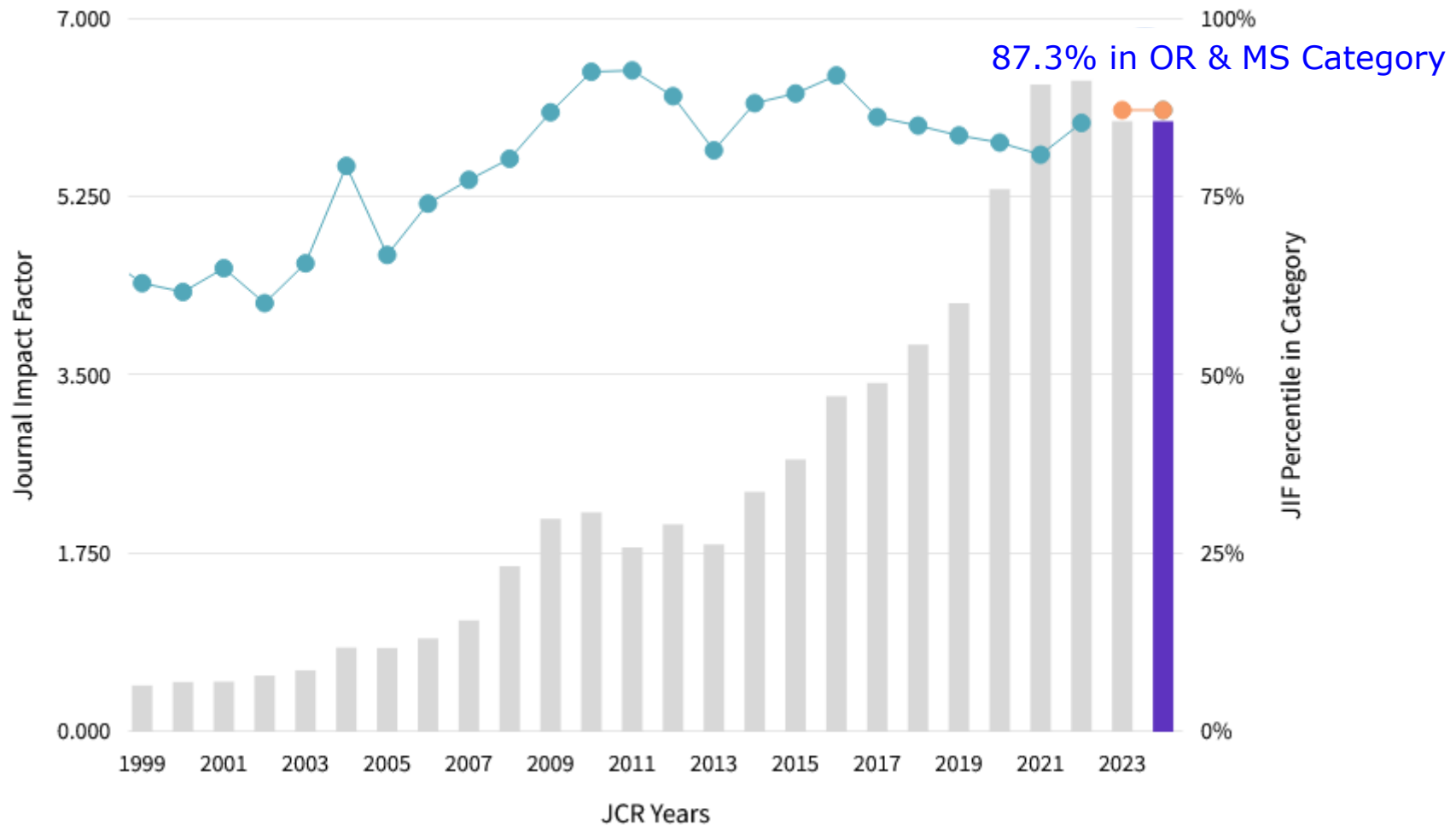
Calculations last updated: 11 Jun 2025

Top ScienceDirect Downloaded Articles in 2025, Published in 2025

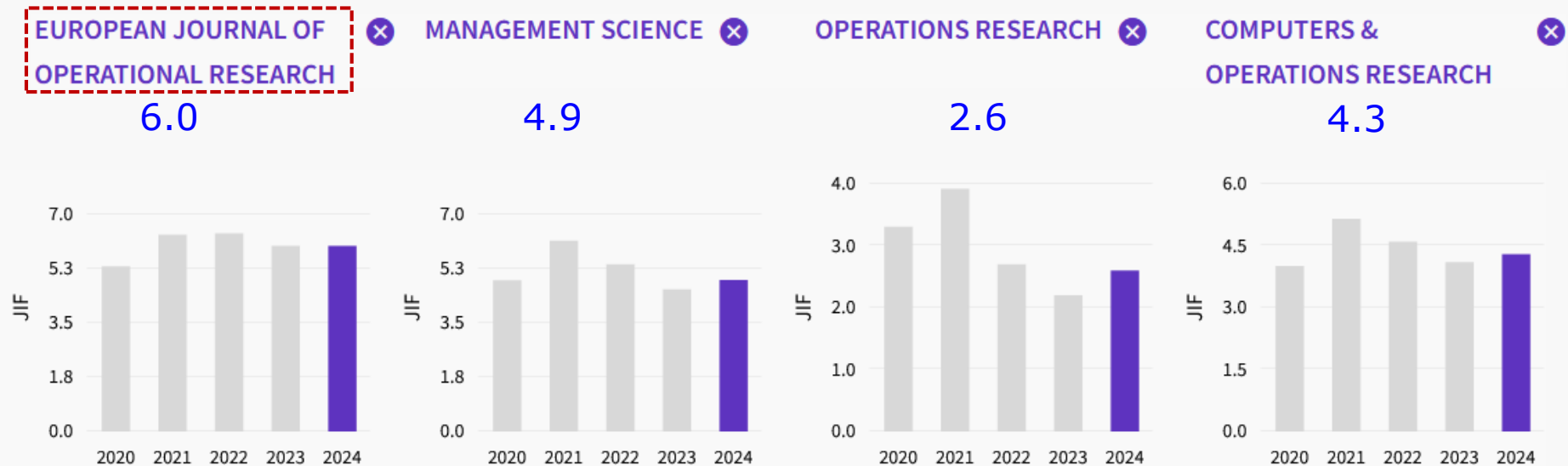
Article Title	Corresponding Author	Publication Date	Article Type	Access Type	SD Usage	Scopus Citations
A survey on the Traveling Salesman Problem and its variants in a warehousing context	Boysen, Nils	2025-01-13	Review article	Open Access	5,949	4
Last fifty years of integer linear programming: a focus on recent practical advances	Ljubic, Ivana	2025-04-22	Review article	Open Access	5,572	0
A review and ranking of operators in adaptive large neighborhood search for vehicle routing problems	Voigt, Stefan	2025-01-27	Review article	Open Access	4,486	4
A Fused Large Language Model for Predicting Startup Success	Maarouf, Abdurahman	2025-01-13	Article	Open Access	3,785	1
Fifty Years of Maintenance Optimization: Reflections and Perspectives	Boute, Robert N.	2025-02-06	Review article	Open Access	2,811	2
Blockchain adoption and coordination strategies for green supply chains considering consumer privacy concern	Ghamat, Salar	2025-03-03	Article	Open Access	2,808	1
Fifty Years of Multiple Criteria Decision Analysis: From Classical Methods to Robust Ordinal Regression	Słowiński, Roman	2025-03-03	Review article	Open Access	2,553	8
Scheduling electric vehicle regular charging tasks: A review of deterministic models	Kovalev, Sergey	2025-05-08	Review article	Open Access	1,914	1
Cost efficiency in water supply systems: an applied review on optimization models for the pump scheduling problem	Brás, Marlene Gomes	2025-02-18	Review article	Open Access	1,913	0
An adoption model of cryptocurrencies	Urquhart, Andrew	2025-02-18	Article	Open Access	1,889	1

Clarivate (Web of Science) EJOR Impact Factor 2024

$$\frac{\text{Citations in 2024 to items published in 2022 (4,635) + 2023 (3,487)}{8,122}{\text{Number of citable items in 2021 (710) + 2022 (654)}{1,364}} = \frac{8,122}{1,364} = \mathbf{6.0}$$



Clarivate (Web of Science) Impact Factor 2024 (2023)



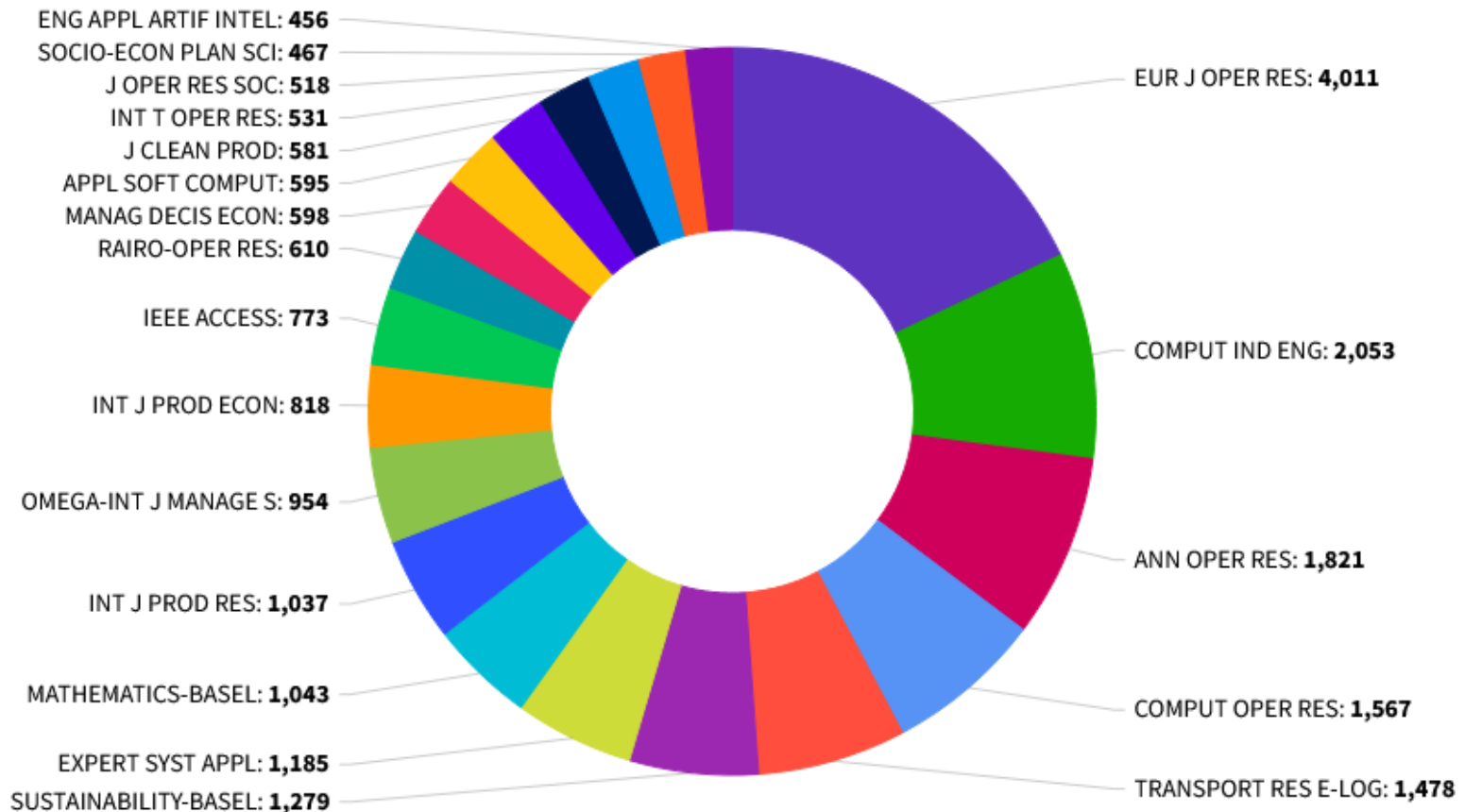
- Journal of Operations Management 10.4 (6.5)
- Omega 7.2 (6.7)
- Annals of Operations Research 4.5 (4.4)
- Operational Research Perspectives 3.7 (3.7)
- International Transactions in Operational Research 2.9 (3.1)
- EURO Journal of Transportation and Logistics 2.7 (2.1)
- Journal of the Operational Research Society 2.7 (2.7)

Clarivate EJOR Cited Half-Life = 9.0

Cited Half-Life is the median age of EJOR items **cited by other journals**.

Number of cites in 2024: 64,164 **Self citations:** 4,011 (6.3%)

Top 20 journals **citing EJOR** by number of citations:

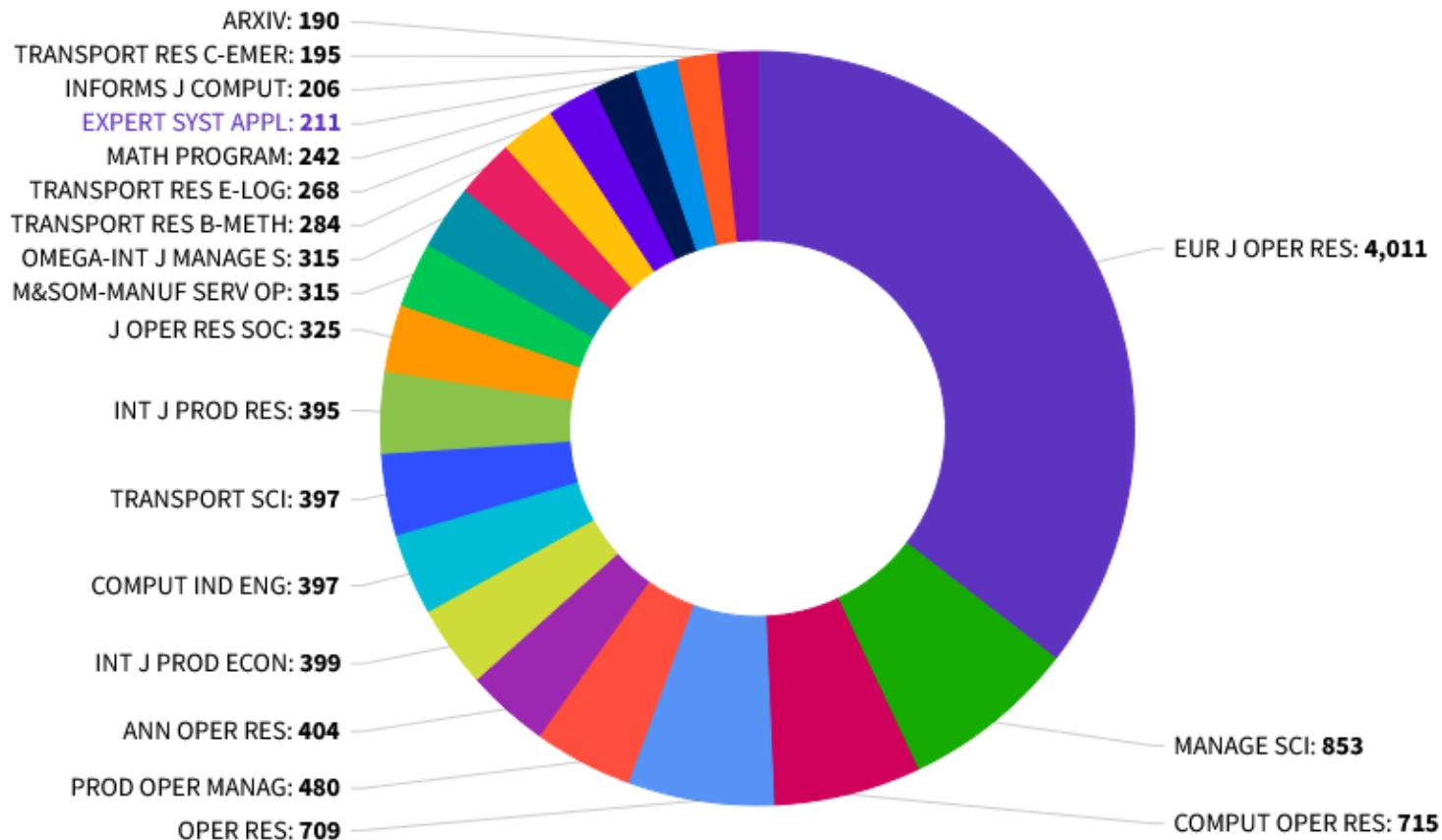


Clarivate EJOR Citing Half-Life = 8.9

Citing Half-Life is the median age of items in other journals **cited by EJOR**.

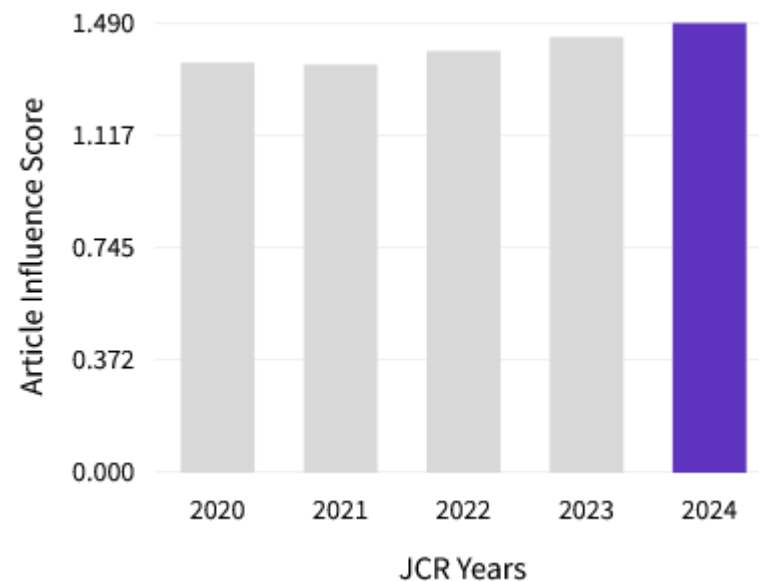
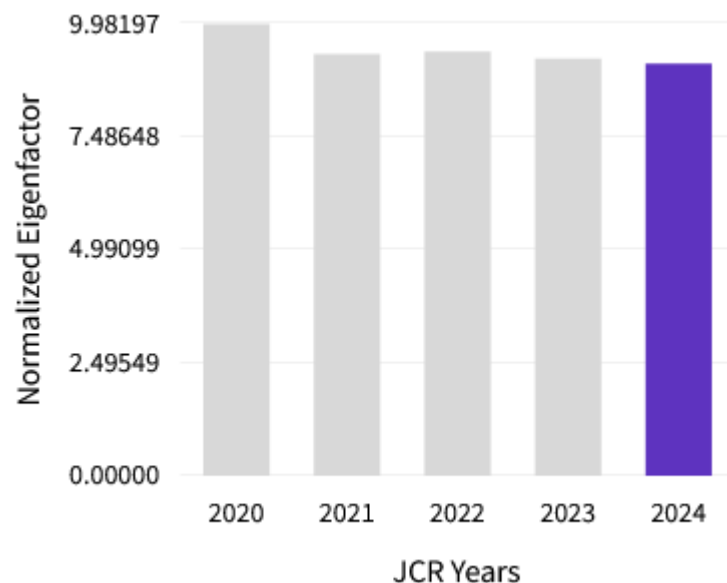
Number of cites in 2024: 28,202 **Self citations:** 4,011

Top 20 journals **cited by EJOR** by number of citations:



Other Clarivate Metrics of EJOR

- **Normalized Eigenfactor Score = 9.1**, obtained by rescaling ES by total number of journals in JCR, so that the average journal has a score of **1**.
- **Article Influence Score (AIS) = 1.49** normalizes the Eigenfactor Score according to the size of the cited journal across the prior five years.
- The mean AIS for each article is **1**. A score greater than 1 indicates that each article in the journal has above-average influence



Journal ranking by H-index – Google Scholar 2025

Categories > Engineering & Computer Science > Operations Research ▾

https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_operationsresearch

	Publication	<u>h5-index</u>	<u>h5-median</u>
1.	International Journal of Production Research	<u>130</u>	215
2.	International Journal of Production Economics	<u>125</u>	194
3.	Computers & Industrial Engineering	<u>117</u>	163
4.	European Journal of Operational Research	<u>117</u>	159
5.	Annals of Operations Research	<u>95</u>	134
6.	Transportation Research Part E: Logistics and Transportation Review	<u>95</u>	134
7.	Computers & Operations Research	<u>72</u>	114
8.	Production Planning & Control	<u>72</u>	107
9.	Manufacturing & Service Operations Management	<u>71</u>	107
10.	Journal of Manufacturing Technology Management	<u>68</u>	107
11.	Production and Operations Management	<u>67</u>	91
12.	Supply Chain Management: An International Journal	<u>63</u>	104
13.	Mathematical Programming	<u>63</u>	96
14.	International Journal of Operations & Production Management	<u>61</u>	98
15.	Operations Research	<u>58</u>	79

SCIMAGO ranking 2024 in MS & OR Category

Title	Type	SJR	↓ H index	Total Docs. (2024)	Total Docs. (3years)	Total Refs. (2024)	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc. (2024)	%Female (2024)
1 European Journal of Operational Research	journal	2.239 Q1	319	612	2004	34922	16091	1995	7.40	57.06	26.19
2 Management Science 	journal	5.720 Q1	303	446	1214	28122	8863	1206	6.83	63.05	27.62
3 Research Policy	journal	3.443 Q1	301	138	520	12107	5916	514	10.01	87.73	31.27
4 International Journal of Production Economics	journal	2.833 Q1	248	280	871	19631	12219	862	12.32	70.11	30.72
5 Journal of Operations Management	journal	4.520 Q1	228	61	137	5247	1582	122	11.05	86.02	28.66
6 International Journal of Production Research	journal	2.242 Q1	201	610	1202	39596	14058	1181	10.94	64.91	27.85
7 Transportation Research Part C: Emerging Technologies	journal	2.734 Q1	196	378	1096	22377	11457	1092	9.22	59.20	26.15
8 Computers and Operations Research	journal	1.605 Q1	194	325	864	15928	5245	864	5.67	49.01	26.42
9 Transportation Research Part B: Methodological	journal	2.589 Q1	183	145	412	7826	3242	409	6.60	53.97	25.73
10 Transportation Research Part A: Policy and Practice	journal	2.124 Q1	182	318	737	20743	6276	731	7.81	65.23	34.06

Academic Journal Guide by Chartered Association of Business Schools 2021-24

ISSN ?	Field ▲	Journal Title ▲	Publisher Name ▲	Profile Links		Rankings							
				Scopus ▲	Web of Science™ ▲	AJG 2021 ▼	AJG 2018 ▲	AJG 2015 ▲	ABS 2010 ▲	Journal Citation Reports™ rank ? ▲	SNIP rank ? ▲	SJR rank ? ▲	CiteScore rank ? ▲
1526-5501	OR&MANSCI	Management Science	Institute for Operations Research and the Management Sciences	SC		4*	4*	4*	4	4	4	1	5
1526-5463	OR&MANSCI	Operations Research	Institute for Operations Research and the Management Sciences	SC		4*	4*	4*	4	11	11	4	13
1872-6860	OR&MANSCI	European Journal of Operational Research	Elsevier	SC		4	4	4	3	7	6	9	6
1941-0026	OR&MANSCI	IEEE Transactions on Evolutionary Computation	IEEE	SC		4	4	4	1	1	1	3	1
1436-4646	OR&MANSCI	Mathematical Programming	Springer Nature	SC		4	4	4	3	12	10	7	12
1558-1195	OR&MANSCI	ACM Transactions on Modeling and Computer Simulation	ACM	SC		3	3	3		36	32	59	34
1572-9338	OR&MANSCI	Annals of Operations Research	Springer Nature	SC		3	3	3	2	22	31	24	28
1573-2894	OR&MANSCI	Computational Optimization and Applications	Springer Nature	SC		3	3	3		24	23	19	25
1873-765X	OR&MANSCI	Computers and Operations Research	Elsevier	SC		3	3	3	2	14	13	10	8
1540-5915	OR&MANSCI	Decision Sciences	Wiley-Blackwell	SC		3	3	3	3	15	27	18	18
1530-9304	OR&MANSCI	Evolutionary Computation	MIT Press	SC		3	3	3		6	7	28	9
1573-2908	OR&MANSCI	Fuzzy Optimization and Decision Making	Springer Nature	SC		3	3	3		13	15	14	11
2168-2275	OR&MANSCI	IEEE Transactions on Cybernetics	IEEE	SC		3	3	3	1	2	2	8	2
2168-2232	OR&MANSCI	IEEE Transactions on Systems, Man, and Cybernetics: Systems	IEEE	SC		3	3	3	2	8	9	16	
1545-8830	OR&MANSCI	IIE Transactions	Taylor & Francis	SC		3	3	3	1	19			
1526-5528	OR&MANSCI	INFORMS Journal on Computing	Institute for Operations Research and the Management Sciences	SC		3	3	3	3	26	19	11	23
1872-8200	OR&MANSCI	International Journal of Forecasting	Elsevier	SC		3	3	3	3	16	14	15	15
1572-9397	OR&MANSCI	Journal of Heuristics	Springer Nature	SC		3	3	3		20	21	21	21
1573-2878	OR&MANSCI	Journal of Optimization Theory and Applications	Springer Nature	SC		3	3	3	2	31	25	26	32
1476-9360	OR&MANSCI	Journal of the Operational Research Society	Taylor & Francis	SC		3	3	3	3	32	39	27	30
1526-5471	OR&MANSCI	Mathematics of Operations Research	Institute for Operations Research and the Management Sciences	SC		3	3	3	3	29	17	12	26
1520-6750	OR&MANSCI	Naval Research Logistics	Wiley-Blackwell	SC		3	3	3	3	37	42	22	41
1873-5274	OR&MANSCI	Omega	Elsevier	SC		3	3	3	3	3	3	2	3
1436-6304	OR&MANSCI	OR Spectrum	Springer Nature	SC		3	3	3	3	17	20	17	19

EJOR & UK Research Excellence Framework (REF2021)

REF2021 Research
Excellence
Framework

Key facts

157

number of
UK universities
whose research
was assessed

1,878

submissions including:



76,132
academic staff



185,594
research outputs



6,781
impact case studies

34

expert
sub-panels
reviewed the
submissions

4

main
panels
overseeing
including:

900

academic
members

220

research
users

The overall quality of submissions was judged, on average to be:

41%

world-leading



43%

internationally
excellent



14%

recognised
internationally



2%

recognised
nationally



The REF was undertaken by the four higher education funding bodies for England, Scotland, Wales and Northern Ireland. REF 2021 was managed by the REF team based at Research England on behalf of these bodies. It was overseen by a steering group of representatives from these bodies.

Position	ISSN	Count	Title
1	2041-1723	4105	Nature Communications
2	0027-8424	1944	Proceedings of the National Academy of Sciences of the United States of America
3	2045-2322	1762	Scientific Reports
4	0028-0836	1577	Nature
5	1932-6203	1166	PLoS ONE
6	0031-9007	1082	Physical Review Letters
7	0140-6736	1023	The Lancet
8	0036-8075	909	Science
9	2050-084X	850	eLife
10	0002-7863	668	Journal of the American Chemical Society
11	0960-9822	593	Current Biology
12	0377-2217	587	European Journal of Operational Research
13	1433-7851	541	Angewandte Chemie - International Edition
14	2211-1247	523	Cell Reports
15	0028-4793	518	New England Journal of Medicine
16	0035-8711	476	Monthly Notices of the Royal Astronomical Society
17	1061-4036	470	Nature Genetics
18	0022-1120	463	Journal of Fluid Mechanics
19	1091-6490	450	Proceedings of the National Academy of Sciences of the United States of America (PNAS)
20	2375-2548	433	Science Advances

0377-2217	587
Business and Management Studies	519
Computer Science and Informatics	19
Economics and Econometrics	5
Engineering	10
Mathematical Sciences	33
Sport and Exercise Sciences, Leisure and Tourism	1

Journal ranking of the Federation of Management Science Societies of China

运筹与管理

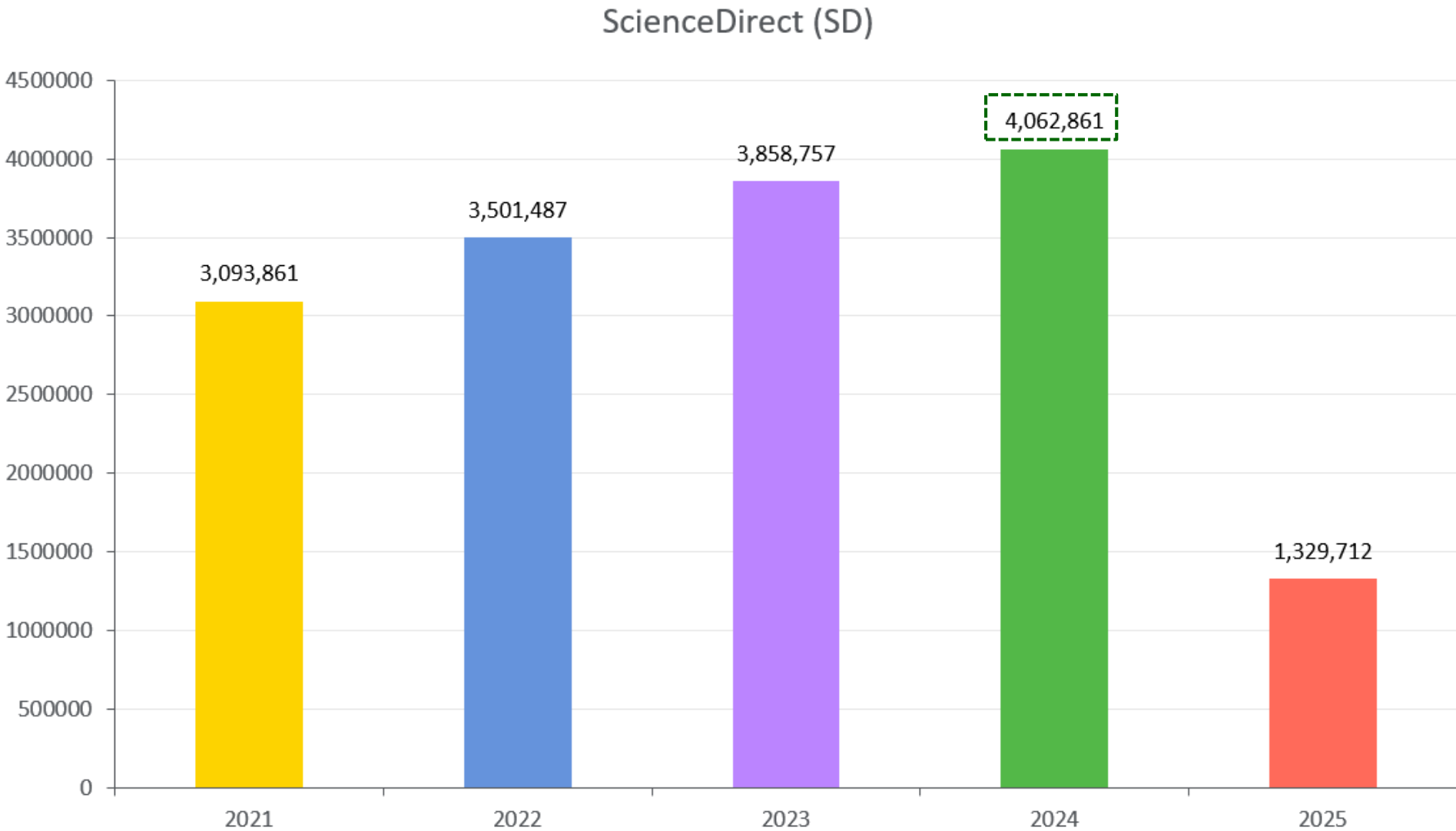
序号	ISSN	期刊名称	FMS等级 2022	FMS等级 2020	JCR排序	SJR排序	SNIP排序
1	0377-2217	European Journal of Operational Research	A	A	8	9	6
2	1091-9856	INFORMS Journal on Computing	A	A	19	15	29
3	0025-1909	Management Science	A	A	9	1	3
4	0025-5610	Mathematical Programming	A	A	20	5	8
5	0364-765X	Mathematics of Operations Research	A	A	32	11	13
6	0030-364X	Operations Research	A	A	15	4	9
7	1049-3301	ACM Transactions on Modeling and Computer Simulation	B	B	52	51	18
8	0254-5330	Annals of Operations Research	B	B	12	22	20
9	0360-8352	Computers & Industrial Engineering	B	B	5	16	16
10	0305-0548	Computers & Operations Research	B	B	11	12	11
11	1545-8490	Decision Analysis	B	B	41	38	24
12	0011-7315	Decision Sciences	B	B	14	17	31
13	1568-4539	Fuzzy Optimization and Decision Making	B	C	10	20	14
14	0926-2644	Group Decision and Negotiation	B	B	23	43	46
15	1094-6977	IEEE Transactions on Cybernetics	B	B	1	2	2
16	1089-778X	IEEE Transactions on Evolutionary Computation	B	B	2	3	1
17	2168-2216	IEEE Transactions on Systems, Man and Cybernetics: Systems	B	C	3	6	4
18	0740-817X	IIE Transactions	B	A	18	21	26
19	0092-2102	INFORMS Journal on Applied Analytics	B	B	48	41	53
20	2575-1484	INFORMS Journal on Optimization	B	B			

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Science Direct Usage: Top 10 Countries & Regions

COUNTRY	2020	2021	2022	2023	2024	2025
China	560,640	749,416	828,965	968,385	1,008,486	313,545
United Kingdom	223,785	254,742	269,762	284,292	256,834	76,651
United States	264,734	256,670	280,218	257,546	241,278	77,923
Germany	83,905	96,301	103,479	121,716	212,696	64,074
India	68,886	78,351	93,224	103,894	131,334	35,337
Netherlands	93,141	113,501	114,991	111,145	102,643	37,650
Australia	97,820	90,577	87,558	111,746	100,017	25,441
Turkey	80,246	94,032	88,091	86,215	78,787	25,175
Taiwan	58,451	65,475	74,518	72,309	78,458	20,099
Republic of Korea	34,130	48,923	57,331	71,728	73,507	24,358
Top 10	1,565,738	1,847,988	1,998,137	2,188,976	2,284,040	700,253
Rest of the World	1,053,530	1,245,873	1,503,350	1,669,781	1,778,821	629,459
Grand Total	2,619,268	3,093,861	3,501,487	3,858,757	4,062,861	1,329,712

Thank you for your attention