Alexandre Dolgui

Editor-in-Chief

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Editor-in-Chief: Alexandre Dolgui

Taylor & Francis
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In 2021,
IJPR publishes its **59th Volume**

Established in 1961:

60th Anniversary of the Journal in 2021,

60th Volume Anniversary in 2022.

Flagship of our profession!

First article in the first issue of the first volume of IJPR
(first articles were submitted in July 1961)

ESTIMATION OF SERVICE REQUIREMENTS
FOR PRODUCTION PURPOSES

by C. KENDRICK*

(Received by Int. Jnl. Prod. Res., July 20, 1961)

SUMMARY

Work is discussed in which the service returns of automobile components, together with life mileage information are used to formulate relationships for forecasting future service requirements. Previous production levels of the components concerned are used, and regression analysis is applied to take into account the fact that any given manufacturer has only a proportion of the spares market. Comparisons with other forecasting techniques are given.

It is not unusual to consider that sufficient allowance can be made for spares in a manufacturing programme by adding a small percentage to the current programme.

The percentage may be the result of an experienced guess at the probable future requirements and, where the replacement market is a small part of the manufacturer's total sales, this may be an adequate procedure. In many branches of industry, however, service requirements represent a large part of the total turnover. Where this is so, and company policy

3

Content of the first issue

📰 Current issue

Volume 3 1964

Volume 2 1963

Volume 1 1961

Issue 4
1961 pages 1–74

Issue 3
1961 pages 1–104

Issue 2
1961 pages 1–75

Issue 1
1961 pages 1–65

In 2021 and 2022,
we celebrate the 60th anniversary and 60th volume anniversary of IJPR,
respectively

The past Editors-in-Chief of IJPR:

Norman Dudley, 1961 – 1981

Roy Sury, 1982 – 1997

John E. Middle, 1998 – 2011

They have accomplished a great deal and established a wonderful reputation for the journal:

- Many cutting edge scientific results were published in IJPR and rest in the annals of scientific research

- Significant advances published in IJPR were transferred from academia to industry and then to the rest of society

In the first editorial, IJPR's founding Editor-in-Chief **Norman Dudley** wrote:
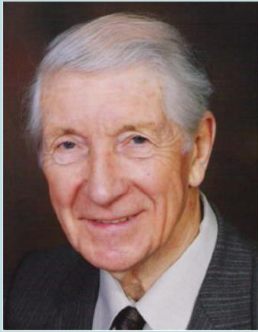
1916–2006

"Production is a meeting place of many disciplines, for the planning, organizing and control of manufacturing industry necessitate an understanding of the nature and interaction of the technical, human and economic forces which are the agents of production. If this understanding can be advanced by bringing together papers which would otherwise have been scattered throughout the literature of the several contributing sciences, the initiative of The *Institution of Production Engineers* in launching this International Research Journal will have been well justified."

Contributing sciences

Operations Research

Management science

Economics

Computer science

Industrial engineering

Manufacturing engineering

Automation and IT technologies

etc.

Journal areas (Web of Science)

- Operations Research and Management Science

- Industrial Engineering

- Manufacturing Engineering

Journal of the Operational Research Society 1950 (11 years before)
Operation Research 1952 (USA, 9 years before IJPR)
Management Sciences 1954 (USA, 7 years before IJPR)
Naval Research Logistics 1954 (USA, 7 years before IJPR)

IJPR 1961 (Oxford, UK)

ISI Science
Citation Index®

Later, were established:

COR 1974 (13 years after IJPR)
CIE 1976 (15 years after IJPR)
EJOR 1977 (16 years after IJPR)
IJPE 1974 (13 years after IJPR)
JOM 1980 (19 years after IJPR)
JMS 1982 (21 years after IJPR)
JIM 1990 (29 years after IJPR)
PPC 1990 (29 years after IJPR
POM 1992 (31 after IJPR)
MSOM 1999 (38 years after IJPR)

ISI Science Citation Index Expanded®

IJPR is a **well established and respected journal** in our domain

Indexed in British Library Inside; Cabell's Management Directory; Cambridge Scientific Abstracts; EBSCO Databases; Electronic Collections Online; Engineering Information Inc; INSEAD; INSPEC®; International Abstracts in Operations Research; ISI CompuMath Citation Index®; ISI Current Contents®: Engineering, Computing and Technology; New Jour; OCLC ArticleFirst; Recent Advances in Manufacturing Database (RAM); Zentralblatt MATH/Mathematics Abstracts and Zetoc,

* ranked A

* ranked 3

Timothy Fry, Joan Donohue et al., University of South Carolina, USA

have analyzed 15 journal ranking studies on operations management (OM)[*] previously published in literature that concerned 147 best journals, then a DEA model was proposed.
(see Outlets for Operations Management Research: A DEA Assessment of Journal Quality and Rankings, *International Journal of Production Research*, 2013, vol. 51, n° 24)

This exciting *American view* gives « Ranking of 32 best OM journals …» and placed

IJPR[**] in **4th position (!)** after:

- Management Science
- Journal of Operations Management
- Operations Research

* IJPR covers not only OM but IE and Manufacturing issues
[**] The first European based journal listed

and Top 10 Countries Based on Ph.D. Granting Institution (1985-2010)

T.D. Fry, J. M. Donohue, B. A. Saladin, G. Shang. The Origins of Research and Patterns of Authorship in the International Journal of Production Research, *International Journal of Production Research, 2013, vol. 51, n° 24*.

1. USA, 5451 papers, 44.89%

2. UK, 1388 papers, 11.43%

3. India, 547 papers, 4.50%

4. Canada, 488 papers, 4.02%

5. Taiwan, 446 papers, 3.67%

6. China (mainland), 380 papers, 3.13%

7. Japan, 351 papers, 2.89%

8. France, 325 papers, 2.68%

9. Italy, 255 papers, 2.10%

10. Korea, 231 papers, 1.90%

As well as

Top 10 Institutions based on *IJPR* authors' affiliations (**1985 to 2010**):

1. **Purdue**, 255 papers
2. **Penn State**, 246 papers
3. **National University of Singapore**, 201 papers
4. **Loughborough**, 193 papers
5. **Nanyang Technological University**, 193 papers
6. **Hong Kong**, 131 papers
7. **Arizona State**, 122 papers
8. **Shanghai Jiao Tong University**, 122 papers
9. **Korea Advanced Institute of Science and Technology,** 109 papers
10. **National Chiao Tung University,** 105 papers

Number of Documents Published by Country
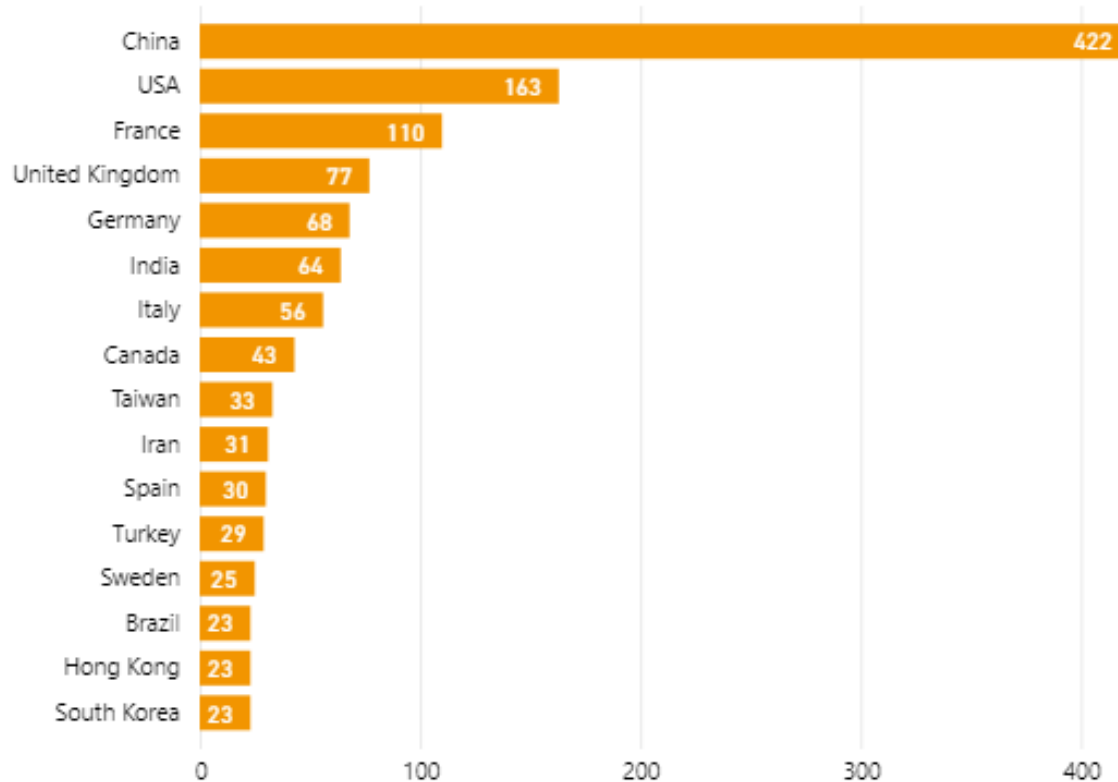
China (mainland) 30%, Europe 40%, the rest of the World 30% including USA 12%

The acceptance rate in 2020 was 16% (last 12 months it is 13.5%)
China 15%, USA 15%

Finally, even if the Impact Factor is not the sole measure for the *leading scientific journals*, there has been a welcome and **ongoing improvement in IJPR IF 2020 = 8.568**
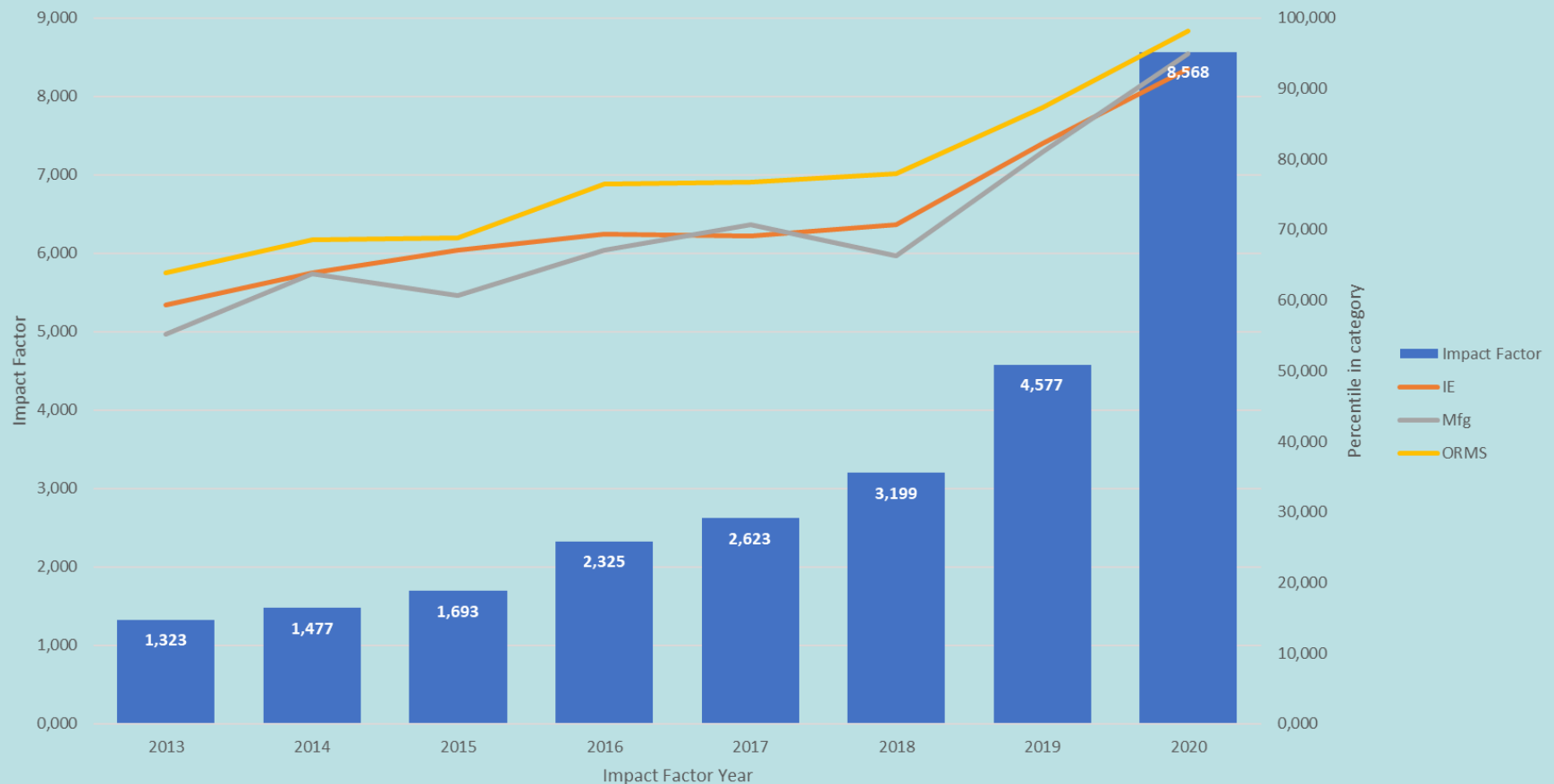
Q1 journal in the 3 areas:
Manufacturing Engineering, Industrial Engineeging, Operations Research and Management Science
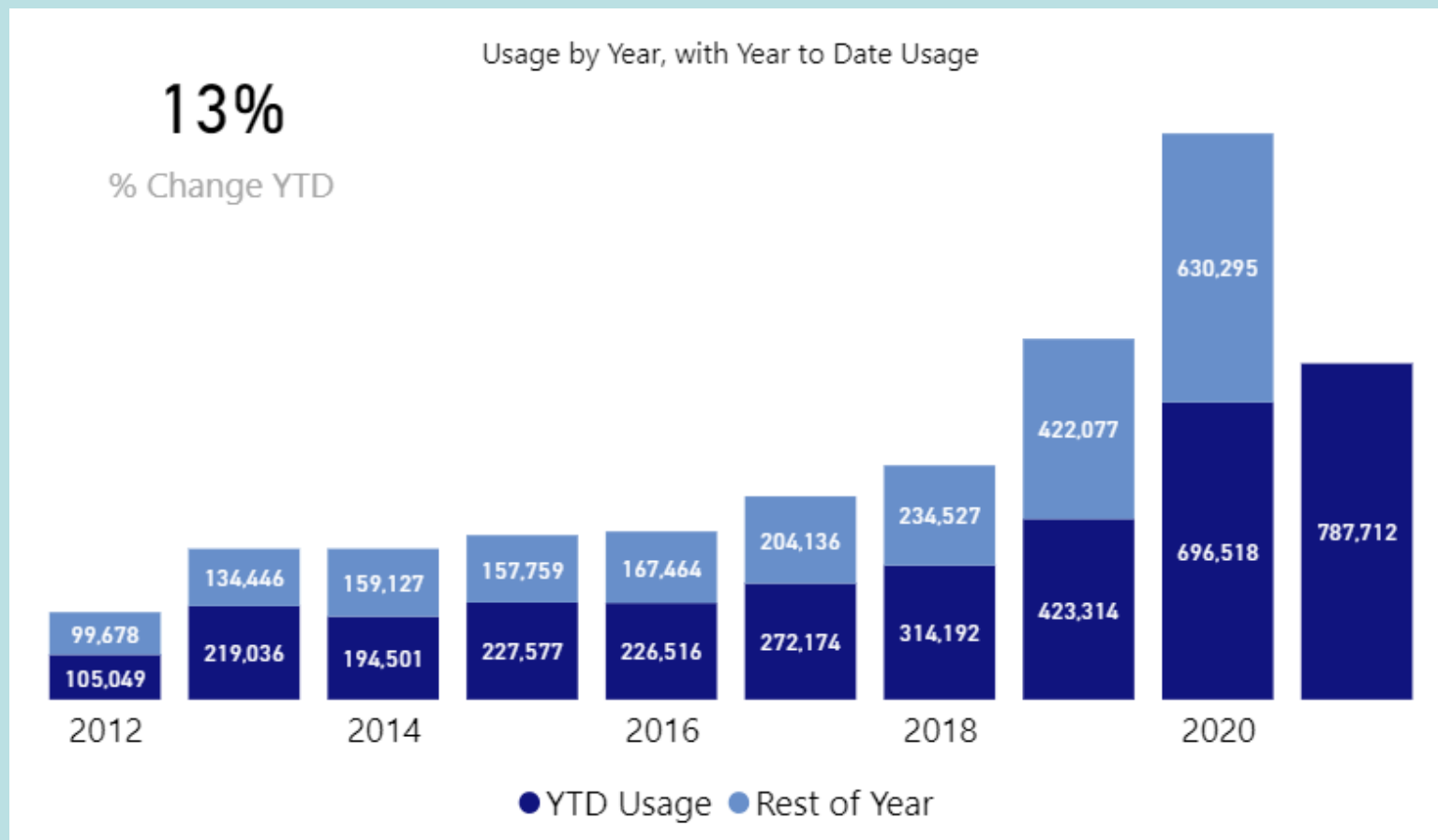
Highlights

Top Performing Articles			
Top Downloaded Article	Impact of COVID-19 on logistics systems and disruptions in food supply chain	**Downloads**	67,535
Top Cited Article	Industry 4.0: state of the art and future trends	**Citations**	290
Altmetric Attention	Toyota production system and Kanban system Materialization of just-in-time and respect-for-human system	**Score**	24

2020 Downloads	1,323K	**Median Days Submission to First Decision**	9
2020 Volume Year Publications	396	**Median Days Acceptance to Online Publication**	20
2020 Volume Year OA Publications	22	**Acceptance Rate (%)**	16%
2020 Impact Factor	8.568	**Impact Factor Best Quartile**	Q1
2020 CiteScore	10.8	**CiteScore Best Quartile**	Q1

Article Downloads – Taylor & Francis Online (TFO) Usage

Usage by Year, with Year to Date Usage

13%
% Change YTD

Year	YTD Usage	Rest of Year
2012	105,049	99,678
2013	219,036	134,446
2014	194,501	159,127
2015	227,577	157,759
2016	226,516	167,464
2017	272,174	204,136
2018	314,192	234,527
2019	423,314	422,077
2020	696,518	630,295
2021	787,712	

● YTD Usage ● Rest of Year
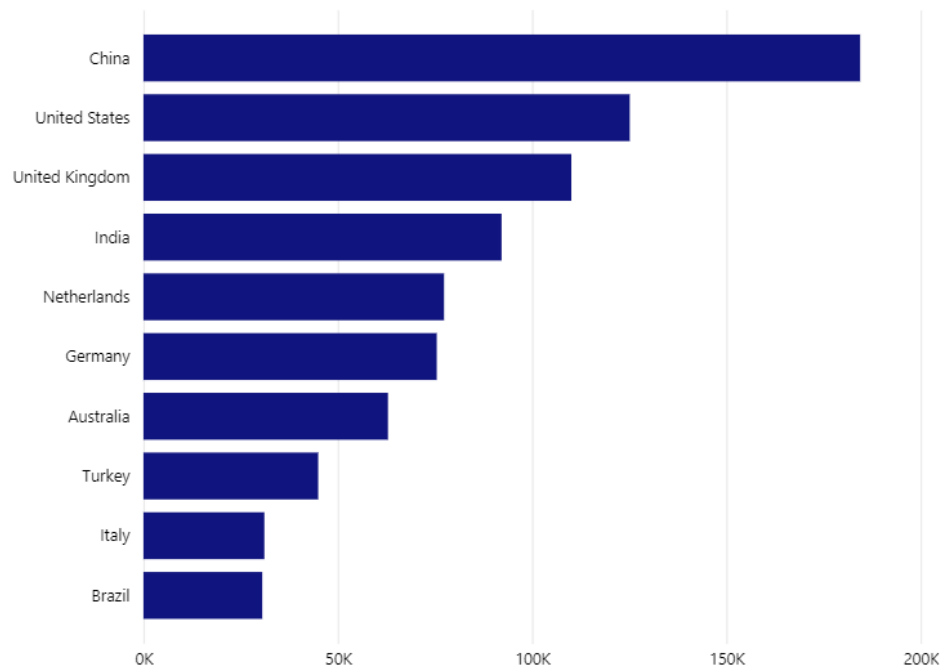
Percentage Change is from 2020 to 2021.

Article Downloads by Country & Region (2019 and 2020)

Full Text Downloads by Region (2019 and 2020 Usage)

- Europe 1M (39.31%)
- Asia 1M (35.74%)
- North America 0M (11.68%)
- Australasia 0M (5.5%)
- Africa 0M (3.84%)
- Central & South America 0M (3.63%)
- No Region Match 0M (0.3%)
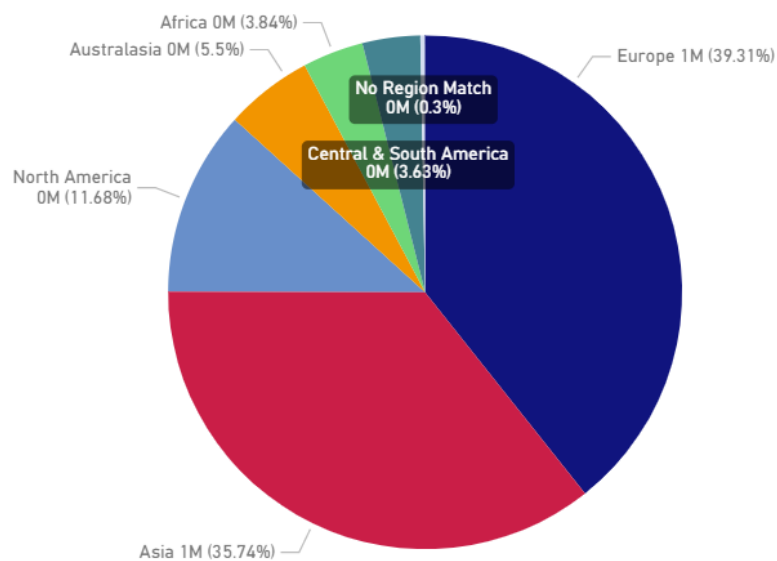
Full Text Downloads by Country, Last Full Year

- China
- United States
- United Kingdom
- India
- Netherlands
- Germany
- Australia
- Turkey
- Italy
- Brazil

(0K, 50K, 100K, 150K, 200K)

Most Downloaded Articles in the Past 12 Months (from Past 3 Years)

Article Title	Author	Volume and Issue	Number of Downloads	Open Access
Impact of COVID-19 on logistics systems and disruptions in food supply chain	Manoj Kumar Tiwari, Rohit Panchal, Sube Singh, Ramesh Kumar	Volume 59 Issue 7	67,535	No
Blockchain technology and its relationships to sustainable supply chain management	Lejia Shen, Joseph Sarkis, Sara Saberi, Mahtab Kouhizadeh	Volume 57 Issue 7	26,599	No
Viability of intertwined supply networks: extending the supply chain resilience angles towards survivability. A position paper motivated by COVID-19 outbreak	Alexandre Dolgui, Dmitry Ivanov	Volume 58 Issue 10	12,780	No
Information systems for supply chain management: a systematic literature analysis	Vidyaranya B. Gargeya, Mohammad Daneshvar Kakhki	Volume 57 Issue 15-16	12,339	No
Sustainable manufacturing in Industry 4.0: an emerging research agenda	Carla Gonçalves Machado, Elias Hans Dener Ribeiro da Silva, Mats Peter Winroth	Volume 58 Issue 5	11,631	Yes
Blockchain applications in supply chains, transport and logistics: a systematic review of the literature	Mehrdokht Pournader, Stefan Seuring, S.C. Lenny Koh, Yangyan Shi	Volume 58 Issue 7	8,719	No
Blockchain in transport and logistics – paradigms and transitions	Lenny Koh, Joseph Sarkis, Alexandre Dolgui	Volume 58 Issue 7	8,488	No
Logistics 4.0: a systematic review towards a new logistics system	Eric H. Grosse, Sven Winkelhaus	Volume 58 Issue 1	8,244	No
Supply chain risk management and artificial intelligence: state of the art and future research directions	George Baryannis, Samir Dani, Grigoris Antoniou, Sahar Validi	Volume 57 Issue 7	8,187	No
Challenges in supply chain redesign for the Circular Economy: a literature review and a multiple case study	Gianmarco Bressanelli, Nicola Saccani, Marco Perona	Volume 57 Issue 23	6,544	No

Top Institutions by Downloads (Past 12 Months)

Institution Name	Number of Downloads
Korea Council for University Education	20,793
University of Shanghai for Science and Technology	20,789
University of Groningen	19,520
Liberty University	14,266
Huazhong University of Science & Technology	14,136
RMIT University	11,366
Shanghai Jiaotong University	10,340
Universiteit Van Tilburg	9,473
Northeastern University - Liaoning China	9,354
Tongji University	8,394

Citation Metrics (JCR)

Impact Factor Year	Impact Factor (2 Year)	Rank
2016	2.325	(14/44 ENGINEERING, INDUSTRIAL, 15/44 ENGINEERING, MANUFACTURING, 20/84 OPERATIONS RESEARCH & MANAGEMENT SCIENCE)
2017	2.623	(14/46 ENGINEERING, MANUFACTURING, 15/47 ENGINEERING, INDUSTRIAL, 20/84 OPERATIONS RESEARCH & MANAGEMENT SCIENCE)
2018	3.199	(14/46 ENGINEERING, INDUSTRIAL, 17/49 ENGINEERING, MANUFACTURING, 19/84 OPERATIONS RESEARCH & MANAGEMENT SCIENCE)
2019	4.577	9 / 48 ENGINEERING, INDUSTRIAL, 10 / 50 ENGINEERING, MANUFACTURING, 11 / 83 OPERATIONS RESEARCH & MANAGEMENT SCIENCE
2020	8.568	2 / 84 OPERATIONS RESEARCH & MANAGEMENT SCIENCE, 3 / 50 ENGINEERING, MANUFACTURING, 4 / 49 ENGINEERING, INDUSTRIAL

Year	Impact Factor (5 Year)	Article Influence Score	Eigenfactor
2016	2.388	0.513	0.0162
2017	2.780	0.544	0.0170
2018	3.363	0.540	0.0159
2019	4.145	0.638	0.0175
2020	6.715	0.974	0.0213

The aims to disseminate research on *decision aid in manufacturing, operations management and logistics*,

based on fundamental mathematical techniques from computer, decision and management sciences which can be used in the design, measurement or operation of production and logistics systems,

models for analysis of manufacturing strategies and tools as well as the contribution of *new information technologies* to production management and logistics are also considered.

An IJPR 'wordle' – based on words in article titles

Main principles

The scope of journal is **limited** to decision aid models for design and management of production systems and their logistics

No limitation on the types of production systems considered (production of goods, services, etc.), we *search for new applications, new types of production systems, new challenges in design and management of production systems*

Only structural, organization and operations management issues are considered, not physical, chemical, etc. processes, nor macro-economics

Integration of different levels of decision (product/process/production systems/logistics) are favored

Main focus of IJPR is on *fundamental results* to solve complex decision problems that arise in design, measurement, management and control of production and logistics systems

International Journal of Production Research

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Scientific rigor   &   Practical relevance

Scientific rigor & Practical relevance

The reputation of IJPR was based on a strong link with industrial applications

Convincing scientific results with clear real life applications are the principal criteria for the selection of our papers

Didactic articles, presenting new and interesting production research problems or/and new applications are also welcome

Scientific rigor & Practical relevance

Didactic articles, presenting *new and interesting production research problems* or/and *new applications*

are also welcome

Our journal will never refuse papers that promise a major advance in models and theory,

as long as their main concepts and usefulness are clearly explained, so that the Production Research *community as a whole can understand* them.

Scientific rigor & Practical relevance

A special place is reserved for reviews and discussion papers as well as invited articles presented by leading specialists in our domain

Establishing a permanent search for new topics and promising directions has a high priority with us

Some suggestions for your submissions to IJPR

Before a submission please to respond to this major question:

Why would you submit to IJPR?

Please see the scope and policy of journal and read papers published in IJPR, before a submission!

Obviously this is **my first question** when I receive a paper:

Why the authors have submitted this paper to IJPR?

Understand, I need to find a response quickly (in the title, abstract, keywords, references, your letter,…) given the number of articles submitted daily!

Thank you for your consideration.

Some suggestions for your submissions to IJPR

Please select carefully keywords from our list at IJPR

You should know that:
Keywords are often used to search for referees!

Therefore, too general and not specific keywords may result in an inappropriate selection of referees

Some suggestions for your submissions to IJPR

Take the time to write an appropriate abstract and please explain clearly in the abstract:

Scientific contribution and **Practical relevance**

of your paper

Some suggestions for your submissions to IJPR

It is specially important to reach a larger readership

Thus, please explain in the Introduction and Conclusion

why your research is for a large Production Research audience

(not only for the specialists in your domain)

Some suggestions for your submissions to IJPR

Before presenting a model, it is necessary to explain its idea and to define all notations and variables

Simplify a presentation of your models by *introducing step by step their elements*

If you can remove a formula or a text *without loss of information*, please do so

Idem for indexes of variables

Simpler is better!

Some suggestions for your submissions to IJPR

A paper for IJPR ranges from

9000 (regular paper) to **14000** (review article) **words**

with a maximum of 15 figures

Concise and clear papers are favored

For regular IJPR papers, the following elements are mandatory:

✓ An exhaustive analysis of production research literature

✓ A novel decision aid model for *design or management of production systems and logistics*, the model should be explained for a wide audience in production research

✓ Comparisons with the state of the art

✓ Discussion on real life applications of the proposed approach in *production systems and logistics*

✓ Managerial insights for decision makers in industry

✓ Research perspectives

Editorial team

Global Operations Strategy and New Product Development
Professor Jayanth Jayaram - *University of South Carolina, USA*

Pricing, Consumer Behavior and Supply Chain Modeling
Dr Hubert Pun - *Western University, Canada*

Risk Analysis and Analytics
Professor Desheng Dash Wu – *University of Chinese Academy of Sciences, China*

Forecasting and Inventory Management
Dr Zied Babai - *Kedge Business School, France*

Locational analysis, Warehousing and Transportation
Professor Lixin Tang - *Northeastern University, China*

Performance Analysis and Continuous Improvement
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Supply Chain Planning and Control
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Katsuhiko Takahashi, *Hiroshima University, Japan*
Srinivas Talluri, *Michigan State University, USA*
Reha Uzsoy, *NC State University, USA*
Luk N. Van Wassenhove, *INSEAD, France*
Agostino Villa, *Politechnico di Torino, Italy*
Xun W. Xu, *University of Auckland, New Zealand*
Shanlin Yang *Hefei University of Technology, China*

we invite you to join us also for

the 60th volume anniversary of IJPR at IFAC MIM 2022 in June

If some other conferences between September 2021 and June 2022 (APMS and MIM) would like to contribute to the celebration, they are welcome

and **60th Volume Anniversary of the International Journal of Production Research** in 2022, at

10th IFAC Conference on Manufacturing Modelling for Management and Control (MIM'2022)

22 to 24 June 2022, Nantes, France

https://www.tandfonline.com/toc/tprs20/current

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Journal
International Journal of Production Research ›

Enter keywords, authors, DOI, ORCID etc | This Journal | 🔍

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📖 Current issue | ☰ Browse list of issues

About this journal

› Journal metrics

› Aims and scope

› Instructions for authors

› Journal information

› Special issues

› Editorial board

› News & calls for papers

Journal metrics

📄 Usage

- 1.3M annual downloads/views

📈 Citation metrics

- 8.568 (2020) Impact Factor
- Q1 (2020) Impact Factor Best Quartile
- 6.715 (2020) 5 year IF
- 10.8 (2020) CiteScore
- 2.396 (2020) SNIP
- 1.909 (2020) SJR

⏱ Speed/acceptance

- 9 days avg. from submission to first decision
- 64 days avg. from submission to first post-review decision
- 20 days avg. from acceptance to online publication
- 16% acceptance rate

24 issues, around 3000 submissions and 400 papers published per year
=> last 12 months acceptance rate is 13.5%

International Journal of Production Research

60th ANNIVERSARY

Articles cited 60 times or more

Download list here.

Search

Article Title	Authors	Year – Volume (Issue)	Times Cited (Web of Science)	Link
CONWIP - A PULL ALTERNATIVE TO KANBAN	SPEARMAN, ML; WOODRUFF, DL; HOPP, WJ	1990 - 28(5)	522	www.tandfonline.com/10.1080/00207549008942761
A STATE-OF-THE-ART SURVEY OF DISPATCHING RULES FOR MANUFACTURING JOB SHOP OPERATIONS	BLACKSTONE, JH; PHILLIPS, DT; HOGG, GL	1982 - 20(1)	522	www.tandfonline.com/10.1080/00207548208947745
The moderating effects of institutional pressures on emergent green supply chain practices and performance	Zhu, Q; Sarkis, J	2007 - 45(18-19)	470	www.tandfonline.com/10.1080/00207540701440345
Industry 4.0: state of the art and future trends	Xu, LD; Xu, EL; Li, L	2018 - 56(8)	449	www.tandfonline.com/10.1080/00207543.2018.1444806
MACHINE-COMPONENT GROUPING IN PRODUCTION FLOW-ANALYSIS - AN APPROACH USING A RANK ORDER CLUSTERING-ALGORITHM	KING, JR	1980 - 18(2)	444	www.tandfonline.com/10.1080/00207548008919662
Past, present and future of Industry 4.0-a systematic literature review and research agenda proposal	Liao, YX; Deschamps, F; Loures, EDR; Ramos, LFP	2017 - 55(12)	407	www.tandfonline.com/10.1080/00207543.2017.1308576
MACHINE-COMPONENT GROUP FORMATION IN GROUP TECHNOLOGY - REVIEW AND EXTENSION	KING, JR; NAKORNCHAI, V	1982 - 20(2)	379	www.tandfonline.com/10.1080/00207548208947754
CELLULAR MANUFACTURING IN THE UNITED-STATES INDUSTRY - A SURVEY OF USERS	WEMMERLOV, U; HYER, NL	1989 - 27(9)	362	www.tandfonline.com/10.1080/00207548908942637
Resilience: the concept, a literature review and future directions	Bhamra, R; Dani, S; Burnard, K	2011 - 49(18)	358	www.tandfonline.com/10.1080/00207543.2011.563826

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International Journal of Production Research

Top-cited 2020 articles

All citation data from Web of Science as of 4th January 2021.

Does the ripple effect influence the bullwhip effect? An integrated analysis of structural and operational dynamics in the supply chain
Dolgui, Alexandre; Ivanov, Dmitry; Rozhkov, Maxim
Volume 58 Issue 5
Citations: 74

Blockchain-oriented dynamic modelling of smart contract design and execution in the supply chain
Dolgui, Alexandre; Ivanov, Dmitry; Potryasaev, Semyon; Sokolov, Boris; Ivanova, Marina; Werner, Frank
Volume 58 Issue 7
Citations: 74

Viability of intertwined supply networks: extending the supply chain resilience angles towards survivability. A position paper motivated by COVID-19 outbreak
Ivanov, Dmitry; Dolgui, Alexandre
Volume 58 Issue 10
Citations: 50

Sustainable manufacturing in Industry 4.0: an emerging research agenda
Machado, Carla Goncalves; Winroth, Mats Peter; Dener Ribeiro da Silva, Elias
Volume 58 Issue 5
Citations: 42

Industry 4.0 and lean manufacturing practices for sustainable organisational
Kamble, Sachin; Gunasekaran, Angappa; Dhone, Neelkanth C.
Volume 58 Issue 5
Citations: 39

Big data-driven supply chain performance measurement system: a review an
Kamble, Sachin S.; Gunasekaran, Angappa
Volume 58 Issue 1
Citations: 39

Blockchain applications in supply chains, transport and logistics: a systematic
Pournader, Mehrdokht; Shi, Yangyan; Seuring, Stefan; Koh, S. C. Lenny
Volume 58 Issue 7
Citations: 35

Logistics 4.0: a systematic review towards a new logistics system
Winkelhaus, Sven; Grosse, Eric H.
Volume 58 Issue 1
Citations: 34

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