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Editor-in-Chief

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(IJPR)**



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In 2022,
IJPR publishes its **60th Volume**
~400 papers in 24 issues per year

Established in 1961:

60th Anniversary of the Journal in 2021,

60th Volume Anniversary in 2022.

Flagship of our profession!

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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

Content of the first issue

ESTIMATION OF SERVICE REQUIREMENTS FOR PRODUCTION PURPOSE
C. KENDRICK

SELECTIVE ASSEMBLY — ITS ANALYSIS AND APPLICATIONS
E.M. MANSOOR

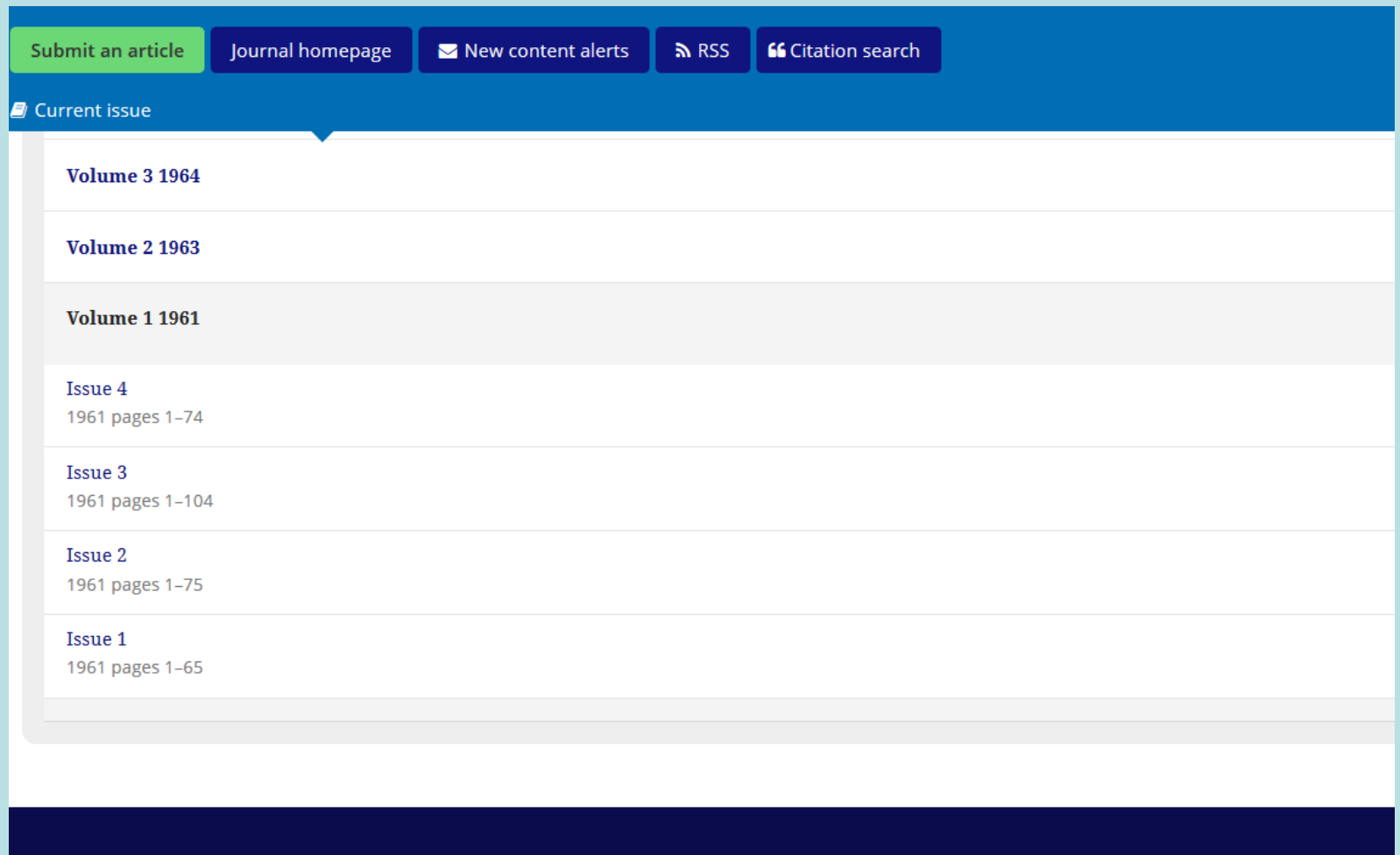
RESEARCH IN MACHINING HIGH STRENGTH MATERIALS AT ELEVATED TEMPERATURES
W. PENTLAND , J. L. WENNBERG & C. L. MEHL

OPTIMAL REVISION PERIODS
D. J. WHITE

TWO INVENTORY CONTROL MODELS
S. EILON

AN ELECTRICAL ANALOGUE FOR SOLVING TRANSPORTATION PROBLEMS
R. HILLS

A NOTE ON A METHOD OF ESTIMATING THE PRECISION OF TIME STUDY OBSERVATION
G. GREGORY



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

The past Editors-in-Chief of IJPR:

Norman Dudley, 1961 – 1981

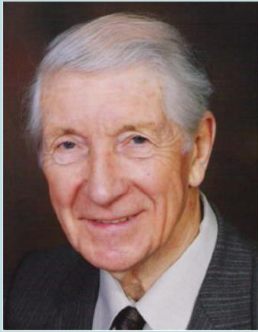
Roy Sury, 1982 – 1997

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.”

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:

ISI Science Citation Index Expanded®

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)

IJPR is an elite 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 B (China)

DLBP
Computer
science
bibliography



* 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

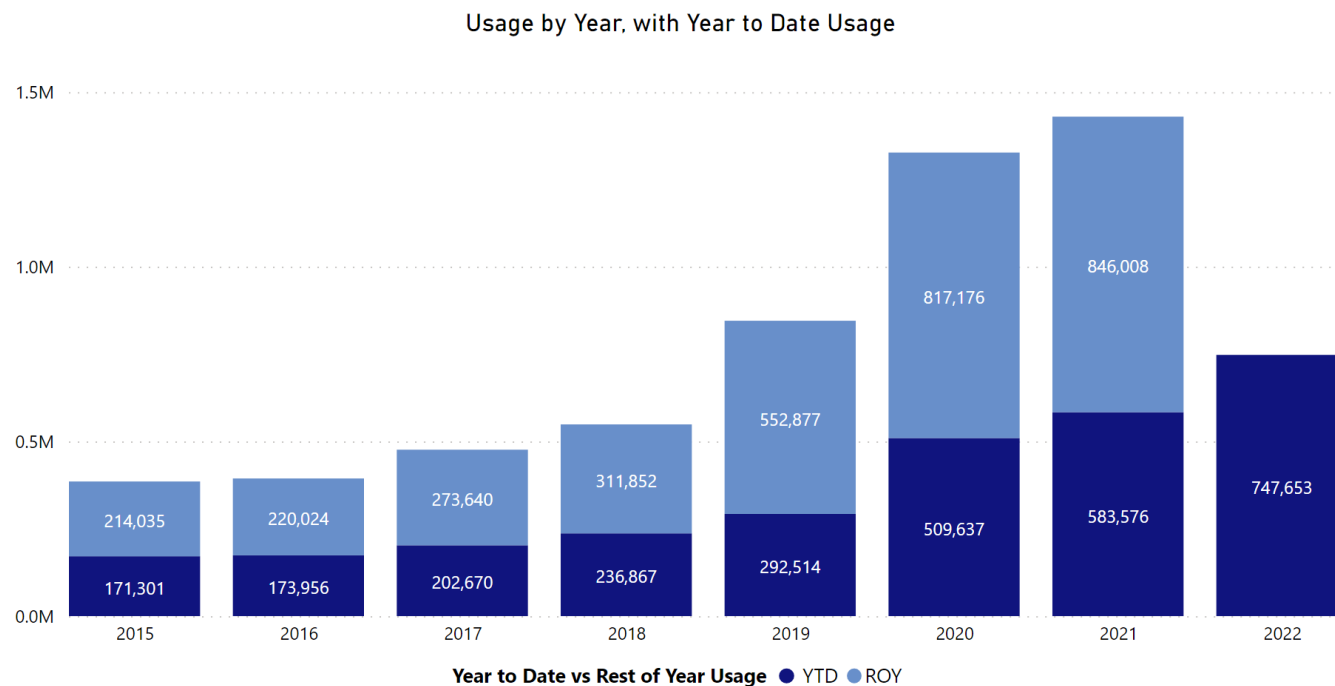
** The first European based journal listed

Most downloaded articles in the past 12 months (from past 3 years)

Impact of COVID-19 on logistics systems and disruptions in food supply chain	Manoj Kumar Tiwari, Rohit Panchal	Vol. 59 Issue 7	48,349
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	Vol. 58 Issue 10	13,780
Facility layout planning. An extended literature review	Manuel Díaz-Madroñero, Pablo Pérez-Gosende, Josefa Mula	Vol. 59 Issue 12	11,274
Sustainable manufacturing in Industry 4.0: an emerging research agenda	Carla Gonçalves Machado	Vol. 58 Issue 5	10,364
Machine learning in manufacturing and industry 4.0 applications	Rahul Rai, Manoj Kumar Tiwari, Dmitry Ivanov	Vol. 59 Issue 16	9,700
The applications of Industry 4.0 technologies in manufacturing context: a systematic literature review	Marco Ardolino, Ting Zheng, Marco Perona, Andrea Bacchetti	Vol. 59 Issue 6	8,319
Blockchain applications in supply chains, transport and logistics: a systematic review of the literature	S.C. Lenny Koh, Mehrdokht Pournader	Vol. 58 Issue 7	8,027
Blockchain in transport and logistics – paradigms and transitions	Lenny Koh, Joseph Sarkis, Alexandre Dolgui	Vol. 58 Issue 7	7,421
Disruption risks in supply chain management: a literature review based on bibliometric analysis	Lipan Feng, Song Xu, Xiaotong Zhang, Wenting Yang	Vol. 58 Issue 11	7,173
Outsourcing and offshoring decision making	Rob Dekkers	Vol. 57 Issue 13	6,825

Article Downloads - Taylor & Francis Online (TFO) Usage

Usage Updated to end of:
2022-05

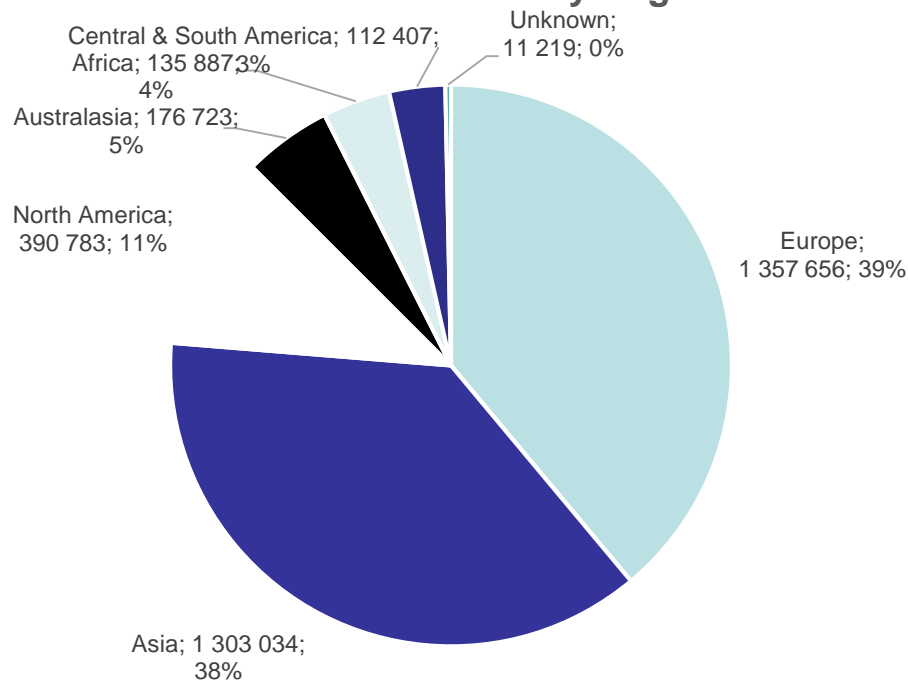


28%
% Change YTD

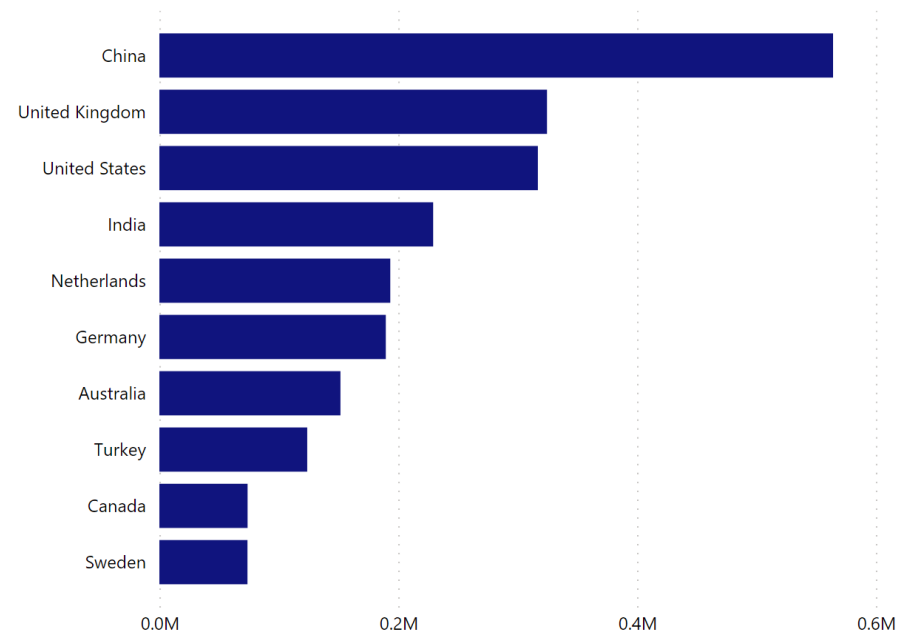
Article Downloads - Usage by Country & Region

Usage shown is for the last full year, plus the current year.

Full Text Downloads by Region

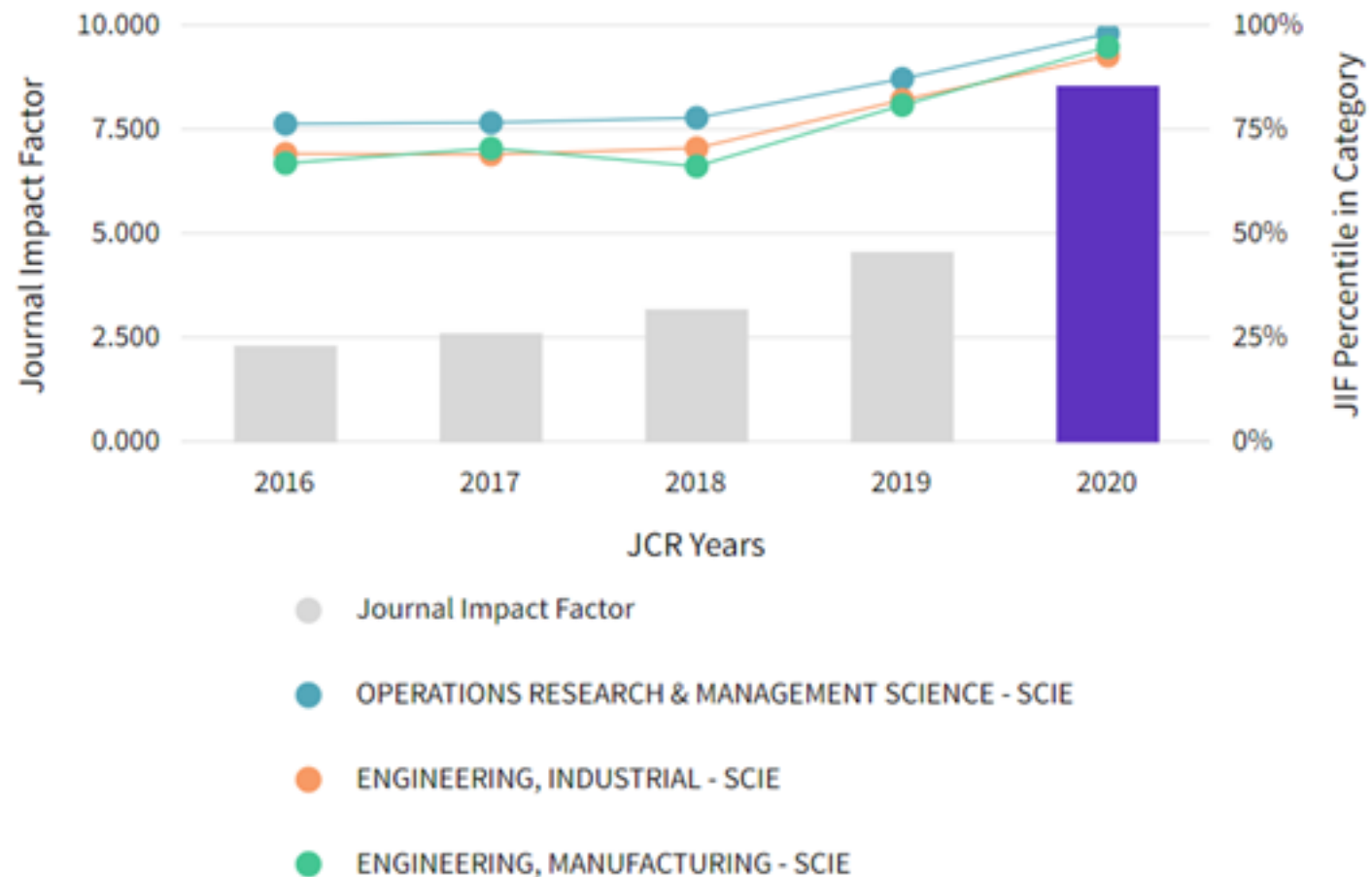


Full Text Downloads by Country



Citation Metrics (JCR), **IF 2021 = 9.018**

Journal Impact Factor Trend 2020



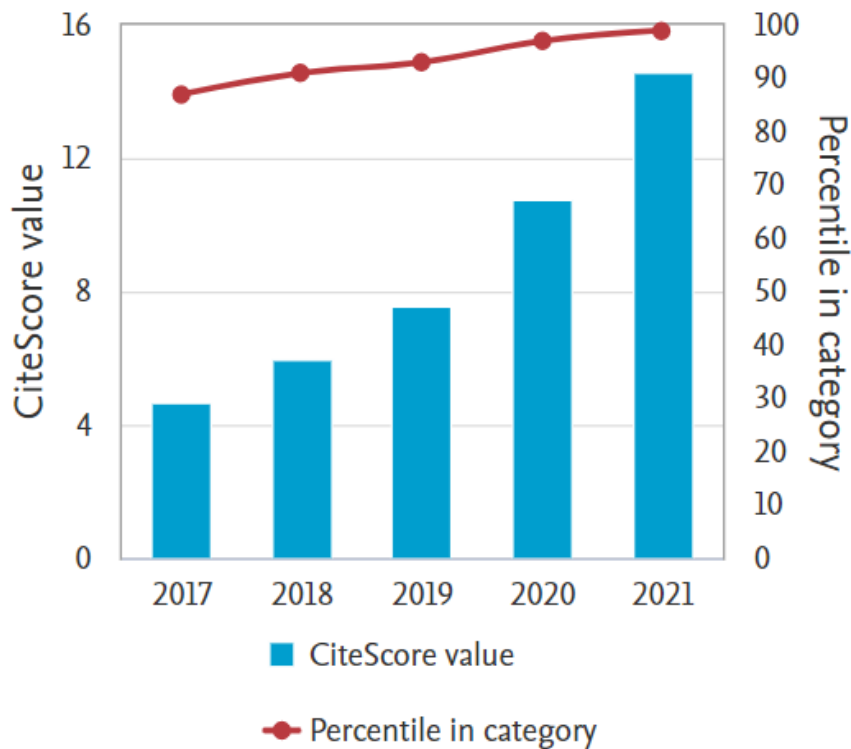
Citation Metrics (JCR), IF 2021 = 9.018

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

Citation Metrics (Scopus)

CiteScore trend



CiteScore 2021

$$14.6 = \frac{22,896 \text{ Citations 2018 - 2021}}{1,567 \text{ Documents 2018 - 2021}}$$

Calculated on 05 May, 2022

CiteScore rank 2021

Category	Rank	Percentile
Decision Sciences		
Management Science and Operations Research	#2/184	99th
Business, Management and Accounting		
Strategy and Management	#9/456	98th
Engineering		
Industrial and Manufacturing Engineering	#11/338	96th

Top Cited Articles

Articles published online in 2020 onwards, top cited articles by number of citations.

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First author name provided.

Source: Dimensions

Article Title	Author Name	Published Online Year	Number of Citations	Altmetric Score
Viability of intertwined supply networks: extending the supply chain resilience angles towards survivability. A position paper motivated by COVID-19 outbreak	Dmitry Ivanov	2020	521	
Impact of COVID-19 on logistics systems and disruptions in food supply chain	Sube Singh	2020	288	21
A supply chain transparency and sustainability technology appraisal model for blockchain technology	Chunguang Bai	2020	154	16
Blockchain technology for enhancing swift-trust, collaboration and resilience within a humanitarian supply chain setting	Rameshwar Dubey	2020	153	6
Reconfigurable supply chain: the X-network	Alexandre Dolgui	2020	133	
Researchers' perspectives on Industry 4.0: multi-disciplinary analysis and opportunities for operations management	Dmitry Ivanov	2020	119	1
Disruption risks in supply chain management: a literature review based on bibliometric analysis	Song Xu	2020	111	
The applications of Industry 4.0 technologies in manufacturing context: a systematic literature review	Ting Zheng	2020	90	
Unearthing the determinants of Blockchain adoption in supply chain management	Lai-Wan Wong	2020	87	
Information and digital technologies of Industry 4.0 and Lean supply chain management: a systematic literature review	Miguel Núñez-Merino	2020	82	

Some recommendations to authors

Aim and Scope of IJPR

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



Journal policy

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

=

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

Scientific rigor & Practical relevance

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 to authors

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!

Some suggestions to authors

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 to authors

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 to authors

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 to authors

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 to authors

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!

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**

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Adaptive Supply Networks, Resilience and Disruption Management

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Automated Systems, Simulation-based Optimization and Reliability Issues

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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

60th anniversary of IJPR

Special issues:

Editorial Board contributions celebrating the 60th Anniversary of IJPR,
part 1 and 2 were already published, part 3 in preparation

Invited leading scholars for 60th anniversary of IJPR

Future leaders of Production Research (competition of young researchers)

Best state of the art review paper competition

+ one special issue by area led by the Associate Editor of IJPR who is in charge of the area

I invite you to submit always your **best scientific results** to

International Journal of Production Research

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