

Yuval Cohen

List of Publications by Year in descending order

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71
papers

1,336
citations

394421

19
h-index

377865

34
g-index

75
all docs

75
docs citations

75
times ranked

1178
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and management of digital manufacturing and assembly systems in the Industry 4.0 era. International Journal of Advanced Manufacturing Technology, 2019, 105, 3565-3577.	3.0	116
2	Ambient illuminance, retinal dopamine release and refractive development in chicks. Experimental Eye Research, 2012, 103, 33-40.	2.6	114
3	Assembly systems in Industry 4.0 era: a road map to understand Assembly 4.0. International Journal of Advanced Manufacturing Technology, 2019, 105, 4037-4054.	3.0	110
4	Dependency between light intensity and refractive development under lightâ€“dark cycles. Experimental Eye Research, 2011, 92, 40-46.	2.6	101
5	Assembly system configuration through Industry 4.0 principles: the expected change in the actual paradigms. IFAC-PapersOnLine, 2017, 50, 14958-14963.	0.9	65
6	A Monte Carlo study of the Gross-Neveu model. Nuclear Physics B, 1983, 220, 102-118.	2.5	52
7	A framework for operator â€“ workstation interaction in Industry 4.0. International Journal of Production Research, 2020, 58, 2421-2432.	7.5	51
8	Treatment of inflammatory diseases by selective eicosanoid inhibition: a double-edged sword?. Trends in Pharmacological Sciences, 2007, 28, 459-464.	8.7	46
9	Development of Experimental Myopia in Chicks in a Natural Environment. , 2016, 57, 4779.		38
10	Deploying cobots in collaborative systems: major considerations and productivity analysis. International Journal of Production Research, 2022, 60, 1815-1831.	7.5	37
11	Light intensity modulates corneal power and refraction in the chick eye exposed to continuous light. Vision Research, 2008, 48, 2329-2335.	1.4	35
12	Trailer to door assignment in a synchronous cross-dock operation. International Journal of Logistics Systems and Management, 2009, 5, 574.	0.2	35
13	Editorial: intelligent manufacturing systems towards industry 4.0 era. Journal of Intelligent Manufacturing, 2021, 32, 1793-1796.	7.3	35
14	Optimal allocation of work in assembly lines for lots with homogenous learning. European Journal of Operational Research, 2006, 168, 922-931.	5.7	34
15	Optimizing the number of stations in assembly lines under learning for limited production. Production Planning and Control, 1998, 9, 230-240.	8.8	29
16	Strategic View on Cobot Deployment in Assembly 4.0 Systems. IFAC-PapersOnLine, 2019, 52, 1519-1524.	0.9	26
17	Correlation between asthenopic symptoms and different measurements of convergence and reading comprehension and saccadic fixation eye movements. Optometry - Journal of the American Optometric Association, 2010, 81, 28-34.	0.6	22
18	Monte Carlo study of chiral structure: The Gross-Neveu model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 104, 289-293.	4.1	21

#	ARTICLE	IF	CITATIONS
19	Minimising throughput loss in assembly lines due to absenteeism and turnover via work-sharing. International Journal of Production Research, 2013, 51, 6140-6151.	7.5	20
20	Non-delay scheduling as a managerial approach for managing projects. International Journal of Project Management, 2006, 24, 330-336.	5.6	19
21	Work allocation to stations with varying learning slopes and without buffers. European Journal of Operational Research, 2008, 184, 797-801.	5.7	18
22	Absenteeism as a major cause of bottlenecks in assembly lines. International Journal of Production Research, 2012, 50, 6072-6080.	7.5	16
23	From product documentation to a "method prototype"™ and standard times: a new technique for complex manual assembly. International Journal of Production Research, 2014, 52, 507-520.	7.5	16
24	A smart process controller framework for Industry 4.0 settings. Journal of Intelligent Manufacturing, 2021, 32, 1975-1995.	7.3	15
25	Relationship between night myopia and night-time motor vehicle accidents. Acta Ophthalmologica, 2007, 85, 367-370.	0.3	14
26	Resource Allocation in Bounded Degree Trees. Algorithmica, 2009, 54, 89-106.	1.3	14
27	Cost Optimization of Cloud Computing Services in a Networked Environment. International Journal of Advanced Computer Science and Applications, 2015, 6, .	0.7	14
28	A technique for integrated modelling of manual and automatic assembly. Journal of Manufacturing Technology Management, 2015, 26, 164-181.	6.4	12
29	Workstation-Operator Interaction in 4.0 Era: WOI 4.0. IFAC-PapersOnLine, 2018, 51, 399-404.	0.9	12
30	Phospholipase A ₂ inhibition as potential therapy for inflammatory skin diseases. Immunotherapy, 2013, 5, 315-317.	2.0	11
31	Optimizing version release dates of research and development long-term processes. European Journal of Operational Research, 2017, 259, 642-653.	5.7	11
32	High-Tech Defense Industries: Developing Autonomous Intelligent Systems. Applied Sciences (Switzerland), 2021, 11, 4920.	2.5	11
33	A framework for smart control using machine-learning modeling for processes with closed-loop control in Industry 4.0. Engineering Applications of Artificial Intelligence, 2021, 102, 104236.	8.1	11
34	Modelling and scheduling projects using Petri nets. International Journal of Project Organisation and Management, 2008, 1, 221.	0.1	10
35	Date Palm Status and Perspective in Israel. , 2015, , 265-298.		9
36	Allocation of work to the stations of an assembly line with buffers between stations and three general learning patterns. International Journal of Intelligent Systems Technologies and Applications, 2008, 4, 123.	0.2	7

#	ARTICLE	IF	CITATIONS
37	The sliding frame – extending the concept to various assembly line balancing problems. International Journal of Manufacturing Technology and Management, 2010, 20, 4.	0.1	6
38	Using a Sliding-Frame Approach for Scheduling Large and Complex IT Projects. International Journal of Information Technology Project Management, 2011, 2, 1-13.	0.5	6
39	MOLECULAR AND PHENOTYPIC CHARACTERIZATION OF SOMACLONAL VARIATION IN DATE PALM OFF-TYPES ORIGINATED FROM TISSUE CULTURE. Acta Horticulturae, 2007, , 417-423.	0.2	6
40	A New Technique for Estimating the Distribution of a Stochastic Project Makespan. International Journal of Information Technology Project Management, 2010, 1, 14-27.	0.5	5
41	Nationality and risk attitude: Testing differences and similarities of investors' behavior in selected financial markets. Global Finance Journal, 2013, 24, 114-118.	5.1	5
42	Exploring Opportunities for Artificial Emotional Intelligence in Service Production Systems. IFAC-PapersOnLine, 2019, 52, 1145-1149.	0.9	5
43	Hierarchy of Smart Awareness in Assembly 4.0 Systems. IFAC-PapersOnLine, 2019, 52, 1508-1512.	0.9	5
44	Reappraisal of the historical myopia epidemic in native Arctic communities. Ophthalmic and Physiological Optics, 2021, 41, 1332-1345.	2.0	5
45	Finding the Shortest Non-Delay Schedule for a Resource-Constrained Project. International Journal of Operations Research and Information Systems, 2012, 3, 41-58.	1.0	4
46	Techno-economic analysis of energy supply to personal rapid transit (PRT) systems. Applied Energy, 2022, 306, 118006.	10.1	4
47	Assembly line segmentation: determining the number of stations per section. Journal of Manufacturing Technology Management, 2013, 24, 397-412.	6.4	3
48	Optimizing Bundling Policy of Single-Period Products. International Journal of Operations Research and Information Systems, 2014, 5, 1-25.	1.0	3
49	Feature assignment in multi-release work plan: Accelerating optimization using gene clustering. Computers and Industrial Engineering, 2018, 118, 123-137.	6.3	3
50	Presenting the several-release-problem and its cluster-based solution accelartion. International Journal of Production Research, 2019, 57, 4413-4434.	7.5	3
51	Counterintelligence Technologies: An Exploratory Case Study of Preliminary Credibility Assessment Screening System in the Afghan National Defense and Security Forces. Information (Switzerland), 2021, 12, 122.	2.9	3
52	A New Cobot Deployment Strategy in Manual Assembly Stations: Countering the Impact of Absenteeism. IFAC-PapersOnLine, 2020, 53, 10275-10278.	0.9	3
53	Digitization of Assembly Line for Complex Products â€™ The Digital Nursery of Workpiece Digital Twins. IFAC-PapersOnLine, 2021, 54, 158-162.	0.9	3
54	Optimal layout and work allocation in batch assembly under learning effect. International Journal of Intelligent Systems Technologies and Applications, 2008, 4, 188.	0.2	2

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55	Behavioral Decision Making in the (Q,R) Purchasing Model: An Experimental Study. Managerial and Decision Economics, 2014, 35, 357-370.	2.5	2
56	Optimizing Group Waiting Time in Service System with Learning Effect. International Journal of Business Analytics, 2017, 4, 18-35.	0.4	2
57	Absenteeism and Turnover as Motivation Factors for Segmenting Assembly Lines. IFAC-PapersOnLine, 2021, 54, 613-616.	0.9	2
58	Framework for Block-Chain Deployment in Assembly of an Air-Craft or a SpaceCraft. IFAC-PapersOnLine, 2021, 54, 988-992.	0.9	2
59	Optimizing termination decision for meta-heuristic search techniques that converge to a static objective-value distribution. OR Spectrum, 2022, 44, 249-271.	3.4	1
60	A modeling technique for execution and simulation of discrete automation. , 2008, , 273-277.		1
61	Roadmap Optimization: Multi-Annual Project Portfolio Selection Method. Mathematics, 2022, 10, 1601.	2.2	1
62	Determining Manager's Load & Control Span by Modeling Management as a Service Activity. , 2016, , .		0
63	Project Scope Partitioning by Clustering Features into Releases of Long R&D Projects. Procedia Computer Science, 2016, 100, 1235-1241.	2.0	0
64	Automating the Transformation From a Prototype to a Method of Assembly. Lecture Notes in Electrical Engineering, 2013, , 99-106.	0.4	0
65	New Automated Assembly Model Based on Automated Route Card Scheme. Lecture Notes in Electrical Engineering, 2013, , 95-102.	0.4	0
66	Scheduling Large and Complex IT Projects Using Sliding-Frame Approach. , 2014, , 1521-1533.		0
67	Optimizing Cloud Computing Costs of Services for Consumers. , 2018, , 1627-1637.		0
68	Demand Biorhythm Estimation for Setting Service Capacity. International Journal of Information Systems and Social Change, 2018, 9, 30-44.	0.1	0
69	Optimizing Cloud Computing Costs of Services for Consumers. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2019, , 83-96.	0.8	0
70	A New Technique for Estimating the Distribution of a Stochastic Project Makespan. , 0, , 33-47.		0
71	Scheduling Large and Complex IT Projects Using Sliding-Frame Approach. , 0, , 173-185.		0