

Olivier L De Weck

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

952
citations

623734

14
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible product platforms: framework and case study. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2007, 18, 67-89.	2.1	186
2	Staged Deployment of Communications Satellite Constellations in Low Earth Orbit. <i>Journal of Aerospace Computing, Information, and Communication</i> , 2004, 1, 119-136.	0.8	141
3	Multilayer network model for analysis and management of change propagation. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2012, 23, 305-328.	2.1	101
4	Time-expanded decision networks: A framework for designing evolvable complex systems. <i>Systems Engineering</i> , 2007, 10, 167-188.	2.7	90
5	Empirical evaluation of procedures to generate flexibility in engineering systems and improve lifecycle performance. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2013, 24, 277-295.	2.1	62
6	Generalized Multicommodity Network Flow Model for the Earth-Moon-Mars Logistics System. <i>Journal of Spacecraft and Rockets</i> , 2016, 53, 25-38.	1.9	61
7	Distributed Earth Satellite Systems: What Is Needed to Move Forward?. <i>Journal of Aerospace Information Systems</i> , 2017, 14, 412-438.	1.4	57
8	Dynamic modeling and optimization for space logistics using time-expanded networks. <i>Acta Astronautica</i> , 2014, 105, 428-443.	3.2	55
9	Campaign-level dynamic network modelling for spaceflight logistics for the flexible path concept. <i>Acta Astronautica</i> , 2016, 123, 51-61.	3.2	40
10	Optimal reconfiguration of satellite constellations with the auction algorithm. <i>Acta Astronautica</i> , 2008, 62, 112-130.	3.2	39
11	Using inclusive wealth for policy evaluation: Application to electricity infrastructure planning in oil-exporting countries. <i>Ecological Economics</i> , 2017, 133, 23-34.	5.7	31
12	Parametric Scaling Model for Nongeosynchronous Communications Satellites. <i>Journal of Spacecraft and Rockets</i> , 2004, 41, 472-477.	1.9	25
13	Multi-Actor Value Modeling for Federated Systems. <i>IEEE Systems Journal</i> , 2018, 12, 1193-1202.	4.6	18
14	Effect of satellite formations and imaging modes on global albedo estimation. <i>Acta Astronautica</i> , 2016, 126, 77-97.	3.2	14
15	Satellite constellation design algorithm for remote sensing of diurnal cycles phenomena. <i>Advances in Space Research</i> , 2018, 62, 2529-2550.	2.6	14
16	Autonomous driving systems hardware and software architecture exploration: optimizing latency and cost under safety constraints. <i>Systems Engineering</i> , 2020, 23, 327-337.	2.7	11
17	Urban Roads Network Detection from High Resolution Remote Sensing. , 2019, , .		5
18	Parametric Sizing Equations for Earth Observation Satellites. <i>Journal of Spacecraft and Rockets</i> , 2019, 56, 476-484.	1.9	2

#	ARTICLE	IF	CITATIONS
19	5.4.1 An Experimental Methodology to Evaluate Concept Generation Procedures Based on Quantitative Lifecycle Performance. Incose International Symposium, 2012, 22, 733-757.	0.6	0
20	A Graph Theoretic Framework for Integrated and Co-optimized Power System Planning. Incose International Symposium, 2016, 26, 2331-2345.	0.6	0
21	Designing Future Space Systems. , 2018, , .		0
22	Deployment Strategies for Reconfigurable Satellite Constellations. , 2020, , .		0