Sebastian A Ernst

List of Publications by Year
in descending order

30 papers	241 citations
1307366 7 h-index	996849 15 g-index
31 all docs	31 docs citations
31 times ranked	238 citing authors

#	Article	IF	Citations
1	Advanced street lighting control. Expert Systems With Applications, 2014, 41, 999-1005.	4.4	42
2	The externalities of energy production in the context of development of clean energy generation. Environmental Science and Pollution Research, 2020, 27, 11506-11530.	2.7	42
3	Economic Impact of Intelligent Dynamic Control in Urban Outdoor Lighting. Energies, 2016, 9, 314.	1.6	28
4	INSIGMA: an intelligent transportation system for urban mobility enhancement. Multimedia Tools and Applications, 2016, 75, 10529-10560.	2.6	28
5	Application of distributed graph transformations to automated generation of control patterns for intelligent lighting systems. Journal of Computational Science, 2017, 23, 20-30.	1.5	20
6	Concentrated Solar Power Plants with Molten Salt Storage: Economic Aspects and Perspectives in the European Union. International Journal of Photoenergy, 2019, 2019, 1-10.	1.4	14
7	Graph-Based Spatial Data Processing and Analysis for More Efficient Road Lighting Design. Sustainability, 2018, 10, 3850.	1.6	9
8	A rule-based approach to robust granular planning. Proceedings of the International Multiconference on Computer Science and Information Technology, 2008, , .	0.0	6
9	Modeling indoor lighting inspection robot behavior using Concurrent Communicating Lists. Expert Systems With Applications, 2014, 41, 984-989.	4.4	5
10	Prediction of Traffic Intensity for Dynamic Street Lighting. , 2017, , .		5
11	A Concurrent Inconsistency Reduction Algorithm for the Pairwise Comparisons Method. Lecture Notes in Computer Science, 2015, , 214-222.	1.0	5
12	Ontology Oriented Storage, Retrieval and Interpretation for a Dynamic Map System. Communications in Computer and Information Science, 2012, , 380-391.	0.4	5
13	A Robust Planning Algorithm for Groups of Entities in Discrete Spaces. Entropy, 2015, 17, 5422-5436.	1.1	4
14	A Robust Heuristic for the Multidimensional A-star/Wavefront Hybrid Planning Algorithm. Lecture Notes in Computer Science, 2015, , 282-291.	1.0	3
15	A Multicriteria Model for Dynamic Route Planning. Communications in Computer and Information Science, 2011, , 174-182.	0.4	3
16	Prototypes of a Web System for Citizen Provided Information, Automatic Knowledge Extraction, Knowledge Management and GIS Integration. Communications in Computer and Information Science, 2011, , 268-276.	0.4	3
17	State-Space Reduction through Preference Modeling. Lecture Notes in Computer Science, 2013, , 363-374.	1.0	3
18	Proposal of an Intelligent, Predictive Fuzzy Controller for Off-Grid Devices. IFAC-PapersOnLine, 2016, 49, 523-528.	0.5	2

#	Article	IF	Citations
19	Two-level agent environment for intelligent lighting control. International Journal of Materials and Product Technology, 2016, 53, 187.	0.1	2
20	How Spatial Data Analysis Can Make Smart Lighting Smarter. Lecture Notes in Computer Science, 2021, , 272-285.	1.0	2
21	Contribution of the INSIGMA Project to the Field of Intelligent Transportation Systems. Communications in Computer and Information Science, 2014, , 58-72.	0.4	2
22	Application of New ATAM Tools to Evaluation of the Dynamic Map Architecture. Communications in Computer and Information Science, 2013, , 248-261.	0.4	2
23	A Distributed Architecture for Multimedia File Storage, Analysis and Processing. Studies in Computational Intelligence, 2013, , 435-452.	0.7	2
24	Optimization of Renewable Energy-Based Autonomous Device Operation Using Simulation. E3S Web of Conferences, 2016, 10, 00020.	0.2	1
25	Estimation of Road Lighting Power Efficiency Using Graph-Controlled Spatial Data Interpretation. Lecture Notes in Computer Science, 2021, , 585-598.	1.0	1
26	Graph-Based Vehicle Traffic Modelling for More Efficient Road Lighting. Advances in Intelligent Systems and Computing, 2020, , 186-194.	0.5	1
27	Towards Formal, Graph-Based Spatial Data Processing: The Case of Lighting Segments for Pedestrian Crossings. Lecture Notes in Computer Science, 2019, , 431-441.	1.0	0
28	Defining Deviation Sub-spaces for theÂA*W Robust Planning Algorithm. Lecture Notes in Computer Science, 2017, , 392-399.	1.0	0
29	Control Driven Lighting Design for Large-Scale Installations. Lecture Notes in Computer Science, 2018, , 691-700.	1.0	0
30	Smart Lighting Control Architecture and Benefits. Lecture Notes in Computer Science, 2018, , 331-340.	1.0	0