

Adam Sedziwy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

265
citations

8
h-index

15
g-index

42
ext. papers

292
ext. citations

1.9
avg, IF

4.2
L-index

#	Paper	IF	Citations
40	Advanced street lighting control. <i>Expert Systems With Applications</i> , 2014 , 41, 999-1005	7.8	35
39	A New Approach to Street Lighting Design. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2016 , 12, 151-162	3.5	32
38	Optimizing Lighting of Rural Roads and Protected Areas with White Light: A Compromise among Light Pollution, Energy Savings, and Visibility. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2020 , 16, 147-156	3.5	22
37	Towards Highly Energy-Efficient Roadway Lighting. <i>Energies</i> , 2016 , 9, 263	3.1	19
36	GRADIS The multiagent environment supported by graph transformations. <i>Simulation Modelling Practice and Theory</i> , 2010 , 18, 1515-1525	3.9	17
35	Energy Reduction in Roadway Lighting Achieved with Novel Design Approach and LEDs. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2018 , 14, 45-51	3.5	16
34	Sustainable Street Lighting Design Supported by Hypergraph-Based Computational Model. <i>Sustainability</i> , 2016 , 8, 13	3.6	15
33	Application of distributed graph transformations to automated generation of control patterns for intelligent lighting systems. <i>Journal of Computational Science</i> , 2017 , 23, 20-30	3.4	14
32	Heterogeneous graph grammars synchronization in CAD systems supported by hypergraph representations of buildings. <i>Expert Systems With Applications</i> , 2014 , 41, 990-998	7.8	7
31	Parallel Graph Transformations Supported by Replicated Complementary Graphs. <i>Lecture Notes in Computer Science</i> , 2011 , 254-264	0.9	7
30	Multi-Agent System Supporting Automated Large-Scale Photometric Computations. <i>Entropy</i> , 2016 , 18, 76	2.8	7
29	Solving Large-Scale Multipoint Lighting Design Problem Using Multi-Agent Environment. <i>Key Engineering Materials</i> , 2011 , 486, 179-182	0.4	6
28	Parallel Graph Transformations with Double Pushout Grammars. <i>Lecture Notes in Computer Science</i> , 2010 , 280-288	0.9	6
27	On Complexity of Coordination of Parallel Graph Transformations in GRADIS Framework 2009 ,		5
26	Graph-Based Optimization of Energy Efficiency of Street Lighting. <i>Lecture Notes in Computer Science</i> , 2015 , 515-526	0.9	5
25	Enhancing Energy Efficiency of Adaptive Lighting Control. <i>Lecture Notes in Computer Science</i> , 2017 , 487-496	0.9	5
24	Application of reactive power compensation algorithm for large-scale street lighting. <i>Journal of Computational Science</i> , 2021 , 51, 101338	3.4	5

23	Multi-agent System Supporting Automated GIS-based Photometric Computations. <i>Procedia Computer Science</i> , 2016 , 80, 824-833	1.6	5
22	Roadway Lighting Retrofit: Environmental and Economic Impact of Greenhouse Gases Footprint Reduction. <i>Sustainability</i> , 2018 , 10, 3925	3.6	5
21	Translation of Graph-based Knowledge Representation in Multi-agent System. <i>Procedia Computer Science</i> , 2014 , 29, 1048-1056	1.6	4
20	Multi-agent Support for Street Lighting Modernization Planning. <i>Lecture Notes in Computer Science</i> , 2019 , 442-452	0.9	4
19	Representation of Objects in Agent-Based Lighting Design Problem. <i>Advances in Intelligent and Soft Computing</i> , 2013 , 209-223		4
18	Effective Graph Representation for Agent-Based Distributed Computing. <i>Lecture Notes in Computer Science</i> , 2012 , 638-647	0.9	4
17	Calculating Reactive Power Compensation for Large-Scale Street Lighting. <i>Lecture Notes in Computer Science</i> , 2020 , 538-550	0.9	3
16	Using Graph Transformations in Distributed Adaptive Design System. <i>Lecture Notes in Computer Science</i> , 2009 , 477-486	0.9	3
15	On the Effective Distribution of Knowledge Represented by Complementary Graphs. <i>Lecture Notes in Computer Science</i> , 2010 , 381-390	0.9	3
14	Computational Support for Optimizing Street Lighting Design. <i>Advances in Intelligent and Soft Computing</i> , 2013 , 241-255		3
13	Conditional Synchronization in Multi-agent Graph-based Knowledge System. <i>Procedia Computer Science</i> , 2015 , 51, 1043-1051	1.6	1
12	Labelled Transition System Generation from Alvis Language. <i>Lecture Notes in Computer Science</i> , 2011 , 180-189	0.9	1
11	Similarity and Conformity Graphs in Lighting Optimization and Assessment. <i>Lecture Notes in Computer Science</i> , 2021 , 145-157	0.9	1
10	On Cooperation in Multi-agent System, Based on Heterogeneous Knowledge Representation. <i>Lecture Notes in Computer Science</i> , 2016 , 463-473	0.9	
9	Coordination of Design Processes in Two Perspectives of Computer Aided Design. <i>Key Engineering Materials</i> , 2013 , 572, 119-122	0.4	
8	Using a Multi-agent System for Overcoming Flickering Effect in Distributed Large-Scale Customized Lighting Design. <i>Lecture Notes in Computer Science</i> , 2018 , 372-381	0.9	
7	Control Driven Lighting Design for Large-Scale Installations. <i>Lecture Notes in Computer Science</i> , 2018 , 691-700	0.9	
6	Graph-Based Optimization of Public Lighting Retrofit. <i>Lecture Notes in Computer Science</i> , 2020 , 239-248	0.9	

- 5 Hypergraph Distributed Adaptive Design Supported by Hypergraph Replication. *Lecture Notes in Computer Science*, **2012**, 671-678 0.9
- 4 On the Effective Distribution and Maintenance of Knowledge Represented by Complementary Graphs. *Lecture Notes in Computer Science*, **2012**, 105-120 0.9
- 3 Supporting Fault Tolerance in Graph-Based Multi-agent Computations. *Lecture Notes in Computer Science*, **2013**, 397-406 0.9
- 2 Formal Methods Supporting Agent Aided Smart Lighting Design. *Advances in Intelligent and Soft Computing*, **2013**, 225-239
- 1 Problem of Agents Cooperation in Heterogeneous Graph-Based Knowledge Environment. *Lecture Notes in Computer Science*, **2014**, 269-277 0.9