

# Adam SÄdziwy

## List of Publications by Year in descending order

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37  
papers

332  
citations

932766

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887659

17  
g-index

42  
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42  
docs citations

42  
times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced street lighting control. Expert Systems With Applications, 2014, 41, 999-1005.	4.4	42
2	A New Approach to Street Lighting Design. LEUKOS - Journal of Illuminating Engineering Society of North America, 2016, 12, 151-162.	1.5	41
3	Optimizing Lighting of Rural Roads and Protected Areas with White Light: A Compromise among Light Pollution, Energy Savings, and Visibility. LEUKOS - Journal of Illuminating Engineering Society of North America, 2020, 16, 147-156.	1.5	30
4	Towards Highly Energy-Efficient Roadway Lighting. Energies, 2016, 9, 263.	1.6	24
5	Energy Reduction in Roadway Lighting Achieved with Novel Design Approach and LEDs. LEUKOS - Journal of Illuminating Engineering Society of North America, 2018, 14, 45-51.	1.5	21
6	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
7	GRADIS – The multiagent environment supported by graph transformations. Simulation Modelling Practice and Theory, 2010, 18, 1515-1525.	2.2	17
8	Sustainable Street Lighting Design Supported by Hypergraph-Based Computational Model. Sustainability, 2016, 8, 13.	1.6	16
9	Application of reactive power compensation algorithm for large-scale street lighting. Journal of Computational Science, 2021, 51, 101338.	1.5	12
10	Heterogeneous graph grammars synchronization in CAD systems supported by hypergraph representations of buildings. Expert Systems With Applications, 2014, 41, 990-998.	4.4	10
11	Solving Large-Scale Multipoint Lighting Design Problem Using Multi-Agent Environment. Key Engineering Materials, 2011, 486, 179-182.	0.4	8
12	Multi-Agent System Supporting Automated Large-Scale Photometric Computations. Entropy, 2016, 18, 76.	1.1	8
13	Roadway Lighting Retrofit: Environmental and Economic Impact of Greenhouse Gases Footprint Reduction. Sustainability, 2018, 10, 3925.	1.6	8
14	Parallel Graph Transformations Supported by Replicated Complementary Graphs. Lecture Notes in Computer Science, 2011, , 254-264.	1.0	8
15	Parallel Graph Transformations with Double Pushout Grammars. Lecture Notes in Computer Science, 2010, , 280-288.	1.0	6
16	On Complexity of Coordination of Parallel Graph Transformations in GRADIS Framework. , 2009, , .		5
17	Multi-agent System Supporting Automated GIS-based Photometric Computations. Procedia Computer Science, 2016, 80, 824-833.	1.2	5
18	Graph-Based Optimization of Energy Efficiency of Street Lighting. Lecture Notes in Computer Science, 2015, , 515-526.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Translation of Graph-based Knowledge Representation in Multi-agent System. Procedia Computer Science, 2014, 29, 1048-1056.	1.2	4
20	Multi-agent Support for Street Lighting Modernization Planning. Lecture Notes in Computer Science, 2019, , 442-452.	1.0	4
21	Computational Support for Optimizing Street Lighting Design. Advances in Intelligent and Soft Computing, 2013, , 241-255.	0.2	4
22	Effective Graph Representation for Agent-Based Distributed Computing. Lecture Notes in Computer Science, 2012, , 638-647.	1.0	4
23	Using Graph Transformations in Distributed Adaptive Design System. Lecture Notes in Computer Science, 2009, , 477-486.	1.0	3
24	On the Effective Distribution of Knowledge Represented by Complementary Graphs. Lecture Notes in Computer Science, 2010, , 381-390.	1.0	3
25	Labelled Transition System Generation from Alvis Language. Lecture Notes in Computer Science, 2011, , 180-189.	1.0	3
26	Conditional Synchronization in Multi-agent Graph-based Knowledge System. Procedia Computer Science, 2015, 51, 1043-1051.	1.2	2
27	On the Effective Distribution and Maintenance of Knowledge Represented by Complementary Graphs. Lecture Notes in Computer Science, 2012, , 105-120.	1.0	1
28	Using a Multi-agent System for Overcoming Flickering Effect in Distributed Large-Scale Customized Lighting Design. Lecture Notes in Computer Science, 2018, , 372-381.	1.0	1
29	Derivation Control Environment as a Tool for an Efficient Distributed Graph Transformations Coordination. , 2008, , .		0
30	Coordination of Design Processes in Two Perspectives of Computer Aided Design. Key Engineering Materials, 2013, 572, 119-122.	0.4	0
31	On Cooperation in Multi-agent System, Based on Heterogeneous Knowledge Representation. Lecture Notes in Computer Science, 2016, , 463-473.	1.0	0
32	Hypergraph Distributed Adaptive Design Supported by Hypergraph Replication. Lecture Notes in Computer Science, 2012, , 671-678.	1.0	0
33	Supporting Fault Tolerance in Graph-Based Multi-agent Computations. Lecture Notes in Computer Science, 2013, , 397-406.	1.0	0
34	Formal Methods Supporting Agent Aided Smart Lighting Design. Advances in Intelligent and Soft Computing, 2013, , 225-239.	0.2	0
35	Problem of Agents Cooperation in Heterogeneous Graph-Based Knowledge Environment. Lecture Notes in Computer Science, 2014, , 269-277.	1.0	0
36	Control Driven Lighting Design for Large-Scale Installations. Lecture Notes in Computer Science, 2018, , 691-700.	1.0	0

#	ARTICLE	IF	CITATIONS
37	Graph-Based Optimization of Public Lighting Retrofit. Lecture Notes in Computer Science, 2020, , 239-248.	1.0	0