# Adam Sedziwy

## List of Publications by Year in Descending Order



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| 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 | Application of reactive power compensation algorithm for large-scale street lighting. *Journal of Computational Science*, **2021**, 51, 101338 | 3.4 | 5 |
| 39 | Similarity and Conformity Graphs in Lighting Optimization and Assessment. *Lecture Notes in Computer Science*, **2021**, 145-157 | 0.9 | 1 |
| 38 | Graph-Based Optimization of Public Lighting Retrofit. *Lecture Notes in Computer Science*, **2020**, 239-248 | 0.9 | |
| 37 | Calculating Reactive Power Compensation for Large-Scale Street Lighting. *Lecture Notes in Computer Science*, **2020**, 538-550 | 0.9 | 3 |
| 36 | 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 | 3.5 | 22 |
| 35 | Multi-agent Support for Street Lighting Modernization Planning. *Lecture Notes in Computer Science*, **2019**, 442-452 | 0.9 | 4 |
| 34 | 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 | 3.5 | 16 |
| 33 | Using a Multi-agent System for Overcoming Flickering Effect in Distributed Large-Scale Customized Lighting Design. *Lecture Notes in Computer Science*, **2018**, 372-381 | 0.9 | |
| 32 | Control Driven Lighting Design for Large-Scale Installations. *Lecture Notes in Computer Science*, **2018**, 691-700 | 0.9 | |
| 31 | Roadway Lighting Retrofit: Environmental and Economic Impact of Greenhouse Gases Footprint Reduction. *Sustainability*, **2018**, 10, 3925 | 3.6 | 5 |
| 30 | Application of distributed graph transformations to automated generation of control patterns for intelligent lighting systems. *Journal of Computational Science*, **2017**, 23, 20-30 | 3.4 | 14 |
| 29 | Enhancing Energy Efficiency of Adaptive Lighting Control. *Lecture Notes in Computer Science*, **2017**, 487-496 | 0.9 | 5 |
| 28 | On Cooperation in Multi-agent System, Based on Heterogeneous Knowledge Representation. *Lecture Notes in Computer Science*, **2016**, 463-473 | 0.9 | |
| 27 | A New Approach to Street Lighting Design. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2016**, 12, 151-162 | 3.5 | 32 |
| 26 | Towards Highly Energy-Efficient Roadway Lighting. *Energies*, **2016**, 9, 263 | 3.1 | 19 |
| 25 | Multi-Agent System Supporting Automated Large-Scale Photometric Computations. *Entropy*, **2016**, 18, 76 | 2.8 | 7 |
| 24 | Sustainable Street Lighting Design Supported by Hypergraph-Based Computational Model. *Sustainability*, **2016**, 8, 13 | 3.6 | 15 |

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| 23 | Multi-agent System Supporting Automated GIS-based Photometric Computations. *Procedia Computer Science*, **2016**, 80, 824-833 | 1.6 | 5 |
| 22 | Conditional Synchronization in Multi-agent Graph-based Knowledge System. *Procedia Computer Science*, **2015**, 51, 1043-1051 | 1.6 | 1 |
| 21 | Graph-Based Optimization of Energy Efficiency of Street Lighting. *Lecture Notes in Computer Science*, **2015**, 515-526 | 0.9 | 5 |
| 20 | Advanced street lighting control. *Expert Systems With Applications*, **2014**, 41, 999-1005 | 7.8 | 35 |
| 19 | Heterogeneous graph grammars synchronization in CAD systems supported by hypergraph representations of buildings. *Expert Systems With Applications*, **2014**, 41, 990-998 | 7.8 | 7 |
| 18 | Translation of Graph-based Knowledge Representation in Multi-agent System. *Procedia Computer Science*, **2014**, 29, 1048-1056 | 1.6 | 4 |
| 17 | Problem of Agents Cooperation in Heterogeneous Graph-Based Knowledge Environment. *Lecture Notes in Computer Science*, **2014**, 269-277 | 0.9 | |
| 16 | Coordination of Design Processes in Two Perspectives of Computer Aided Design. *Key Engineering Materials*, **2013**, 572, 119-122 | 0.4 | |
| 15 | Representation of Objects in Agent-Based Lighting Design Problem. *Advances in Intelligent and Soft Computing*, **2013**, 209-223 | | 4 |
| 14 | Computational Support for Optimizing Street Lighting Design. *Advances in Intelligent and Soft Computing*, **2013**, 241-255 | | 3 |
| 13 | Supporting Fault Tolerance in Graph-Based Multi-agent Computations. *Lecture Notes in Computer Science*, **2013**, 397-406 | 0.9 | |
| 12 | Formal Methods Supporting Agent Aided Smart Lighting Design. *Advances in Intelligent and Soft Computing*, **2013**, 225-239 | | |
| 11 | Effective Graph Representation for Agent-Based Distributed Computing. *Lecture Notes in Computer Science*, **2012**, 638-647 | 0.9 | 4 |
| 10 | Hypergraph Distributed Adaptive Design Supported by Hypergraph Replication. *Lecture Notes in Computer Science*, **2012**, 671-678 | 0.9 | |
| 9 | On the Effective Distribution and Maintenance of Knowledge Represented by Complementary Graphs. *Lecture Notes in Computer Science*, **2012**, 105-120 | 0.9 | |
| 8 | Solving Large-Scale Multipoint Lighting Design Problem Using Multi-Agent Environment. *Key Engineering Materials*, **2011**, 486, 179-182 | 0.4 | 6 |
| 7 | Parallel Graph Transformations Supported by Replicated Complementary Graphs. *Lecture Notes in Computer Science*, **2011**, 254-264 | 0.9 | 7 |
| 6 | Labelled Transition System Generation from Alvis Language. *Lecture Notes in Computer Science*, **2011**, 180-189 | 0.9 | 1 |

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| 5 | GRADIS The multiagent environment supported by graph transformations. *Simulation Modelling Practice and Theory*, **2010**, 18, 1515-1525 | 3.9 | 17 |
| 4 | Parallel Graph Transformations with Double Pushout Grammars. *Lecture Notes in Computer Science*, **2010**, 280-288 | 0.9 | 6 |
| 3 | On the Effective Distribution of Knowledge Represented by Complementary Graphs. *Lecture Notes in Computer Science*, **2010**, 381-390 | 0.9 | 3 |
| 2 | On Complexity of Coordination of Parallel Graph Transformations in GRADIS Framework **2009**, | | 5 |
| 1 | Using Graph Transformations in Distributed Adaptive Design System. *Lecture Notes in Computer Science*, **2009**, 477-486 | 0.9 | 3 |