

# Florin Leon

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3051769/florin-leon-publications-by-year.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84 papers	489 citations	11 h-index	18 g-index
97 ext. papers	623 ext. citations	2 avg, IF	4.25 L-index

#	Paper	IF	Citations
84	ActressMAS, a .NET Multi-Agent Framework Inspired by the Actor Model. <i>Mathematics</i> , <b>2022</b> , 10, 382	2.3	3
83	The effect of collaborative behaviors in emergency evacuation. <i>Simulation Modelling Practice and Theory</i> , <b>2022</b> , 102554	3.9	
82	Obtaining Bricks Using Silicon-Based Materials: Experiments, Modeling and Optimization with Artificial Intelligence Tools. <i>Mathematics</i> , <b>2022</b> , 10, 1891	2.3	0
81	Comparative Study by Using a Greedy Approach and Advanced Bio-Inspired Strategies in the Context of the Traveling Thief Problem. <i>IFIP Advances in Information and Communication Technology</i> , <b>2022</b> , 383-393	0.5	
80	Textile Wastewater Treatment in a Spinning Disc Reactor: Improved Performances Experimental, Modeling and SVM Optimization. <i>Processes</i> , <b>2021</b> , 9, 2003	2.9	0
79	Analyzing Tuberculosis Reactivation in Patients with Rheumatoid Arthritis and Ankylosing Spondylitis Treated with Biological Therapy Using Machine Learning Methods. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11400	2.6	
78	A Review of Tracking and Trajectory Prediction Methods for Autonomous Driving. <i>Mathematics</i> , <b>2021</b> , 9, 660	2.3	10
77	Convolutional Neural Networks for Web Documents Classification. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 289-302	0.9	1
76	An Experimental Study of Machine Learning for Phishing Detection. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 427-439	0.9	0
75	A novel information diffusion model based on psychosocial factors with automatic parameter learning. <i>Computer Science and Information Systems</i> , <b>2021</b> , 18, 703-728	0.8	
74	Regression Methods Based on Nearest Neighbors with Adaptive Distance Metrics Applied to a Polymerization Process. <i>Mathematics</i> , <b>2021</b> , 9, 547	2.3	1
73	Study on Digital Image Evolution of Artwork by Using Bio-Inspired Approaches. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 261-270	0.9	
72	OPTIMIZATION OF CHLOROPHYLL A REMOVAL FROM WASTEWATERS USING BIO-INSPIRED ALGORITHMS. <i>Environmental Engineering and Management Journal</i> , <b>2020</b> , 19, 311-323	0.6	0
71	Brief Survey of Model-Based Reinforcement Learning Techniques <b>2020</b> ,		2
70	A Modified I2A Agent for Learning in a Stochastic Environment. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 388-399	0.9	
69	Optimization Methods for Redundancy Allocation in Large Systems. <i>Vietnam Journal of Computer Science</i> , <b>2020</b> , 07, 281-299	0.8	0
68	Freight transportation broker agent based on constraint logic programming. <i>Evolving Systems</i> , <b>2020</b> , 11, 363-382	2.1	1

67	Expressing multiagent coalition structure problems for optimisation by quantum annealing. <i>Enterprise Information Systems</i> , <b>2019</b> , 13, 959-978	3.5	0
66	Machine learning approaches for anomaly detection of water quality on a real-world data set** This study extends the work in Muharemi, Logoffu, Andersson, and Leon (2018a)View all notes. <i>Journal of Information and Telecommunication</i> , <b>2019</b> , 3, 294-307	1.4	35
65	A model of information diffusion in dynamic social networks based on evidence theory. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2019</b> , 37, 7369-7381	1.6	1
64	A Deep Network System for Simulated Autonomous Driving Using Behavioral Cloning. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 235-245	0.3	1
63	An Evaluation of Various Regression Models for the Prediction of Two-Terminal Network Reliability. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 267-280	0.9	
62	Demand Forecasting Using Random Forest and Artificial Neural Network for Supply Chain Management. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 328-339	0.9	3
61	Active Redundancy Allocation in Complex Systems by Using Different Optimization Methods. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 625-637	0.9	2
60	01IP and QUBO: Optimization Methods for Redundancy Allocation in Complex Systems <b>2019</b> ,		2
59	General Video Game AI Controller - Integrating Three Algorithms to Bring a New Solution <b>2019</b> ,		1
58	Approaches to Building a Detection Model for Water Quality: A Case Study. <i>Studies in Computational Intelligence</i> , <b>2018</b> , 173-183	0.8	10
57	Modeling and Optimization of Pickup and Delivery Problem Using Constraint Logic Programming. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 324-332	0.9	1
56	A Credibility-Based Analysis of Information Diffusion in Social Networks. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 828-838	0.9	2
55	An Evaluation of Regression Algorithms Performance for the Chemical Process of Naphthalene Sublimation. <i>IFIP Advances in Information and Communication Technology</i> , <b>2018</b> , 219-230	0.5	2
54	A Simulation-Based Analysis of Interdependent Populations in a Dynamic Ecological Environment. <i>IFIP Advances in Information and Communication Technology</i> , <b>2018</b> , 437-448	0.5	1
53	Review on General Techniques and Packages for Data Imputation in R on a Real World Dataset. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 386-395	0.9	5
52	. <i>IEEE Access</i> , <b>2018</b> , 6, 72774-72785	3.5	14
51	Analyzing the Effects of Alternative Decisions in a Multiagent System with Stigmergy-Based Interactions. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 1-24	0.9	
50	Declarative Representation and Solution of Vehicle Routing with Pickup and Delivery Problem. <i>Procedia Computer Science</i> , <b>2017</b> , 108, 958-967	1.6	9

49	Large margin nearest neighbour regression using different optimization techniques. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 32, 1321-1332	1.6	5
48	An Optimization Web Service for a Freight Brokering System. <i>Service Science</i> , <b>2017</b> , 9, 324-337	2.2	5
47	Evaluating the effect of voting methods on ensemble-based classification <b>2017</b> ,		12
46	Analyzing the effects of virality and topology for information diffusion in social networks <b>2017</b> ,		2
45	The Two-Hemisphere Modelling Approach to the Composition of Cyber-Physical Systems <b>2017</b> ,		3
44	Multiagent Coalition Structure Optimization by Quantum Annealing. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 331-341	0.9	4
43	Using Large Margin Nearest Neighbor Regression Algorithm to Predict Student Grades Based on Social Media Traces. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 12-19	0.4	1
42	Optimization of Freight Transportation Brokerage Using Agents and Constraints. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 451-464	0.3	
41	A Novel Interaction Protocol of a Multiagent System for the Study of Alternative Decisions. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 3-12	0.9	1
40	A comparison between Jason and F# programming languages for the enactment of business agents <b>2016</b> ,		1
39	A Freight Brokering System Architecture Based on Web Services and Agents. <i>Lecture Notes in Business Information Processing</i> , <b>2016</b> , 537-546	0.6	5
38	Postdisaster Evacuation Scenarios Using Multiagent System. <i>Journal of Computing in Civil Engineering</i> , <b>2016</b> , 30, 05016002	5	10
37	Modeling and Enactment of Business Agents Using Jason <b>2016</b> ,		3
36	Phase equilibrium and physical properties of aqueous mixtures of poly (vinyl pyrrolidone) with trisodium citrate, obtained experimentally and by simulation. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 223, 903-920	6	5
35	Prediction of Corrosion Resistance of Some Dental Metallic Materials with an Adaptive Regression Model. <i>Jom</i> , <b>2015</b> , 67, 767-774	2.1	8
34	Evolutionary Algorithm for Large Margin Nearest Neighbour Regression. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 305-315	0.9	3
33	Experimental analysis and mathematical prediction of Cd(II) removal by biosorption using support vector machines and genetic algorithms. <i>New Biotechnology</i> , <b>2015</b> , 32, 358-68	6.4	39
32	Agent-Based Evacuation Model considering Field Effects and Government Advice. <i>Transportation Research Record</i> , <b>2015</b> , 2532, 129-140	1.7	6

31	Stabilization Methods for a Multiagent System with Complex Behaviours. <i>Computational Intelligence and Neuroscience</i> , <b>2015</b> , 2015, 236285	3	3
30	Critical Assessment of Road Network Resilience Using an Agent-Based Evacuation Model <b>2015</b> ,		2
29	Naphthalene sublimation. Experiment and optimisation based on neuro-evolutionary methodology. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 1608-1611	6.3	4
28	Design and evaluation of a multiagent interaction protocol generating behaviours with different levels of complexity. <i>Neurocomputing</i> , <b>2014</b> , 146, 173-186	5.4	10
27	Optimizing neural network topology using Shapley value <b>2014</b> ,		4
26	Probabilistic Path Finding Method for Post-Disaster Risk Estimation. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2014</b> , 61-76	0.2	
25	Prediction of liquid-crystalline property using support vector machine classification. <i>Journal of Chemometrics</i> , <b>2013</b> , 27, 179-188	1.6	9
24	Evaluation of the corrosion resistance of new ZrTi alloys by experiment and simulation with an adaptive instance-based regression model. <i>Corrosion Science</i> , <b>2013</b> , 73, 106-122	6.8	19
23	Exploring the relationships between students' learning styles and social media use in educational settings <b>2013</b> ,		2
22	A Multiagent System Generating Complex Behaviours. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 154-164	0.9	4
21	Instance-based regression with missing data applied to a photocatalytic oxidation process. <i>Open Chemistry</i> , <b>2012</b> , 10, 1149-1156	1.6	5
20	Multi-objective optimization of a stacked neural network using an evolutionary hyper-heuristic. <i>Applied Soft Computing Journal</i> , <b>2012</b> , 12, 133-144	7.5	42
19	Emergent Behaviors in Social Networks of Adaptive Agents. <i>Mathematical Problems in Engineering</i> , <b>2012</b> , 2012, 1-19	1.1	4
18	Real-valued quantum-inspired evolutionary algorithm for multi-issue multi-lateral negotiation <b>2012</b> ,		1
17	Modeling of oxygen mass transfer in the presence of oxygen-vectors using neural networks developed by differential evolution algorithm. <i>Engineering Applications of Artificial Intelligence</i> , <b>2011</b> , 24, 1214-1226	7.2	28
16	An elitist non-dominated sorting genetic algorithm enhanced with a neural network applied to the multi-objective optimization of a polysiloxane synthesis process. <i>Engineering Applications of Artificial Intelligence</i> , <b>2011</b> , 24, 772-785	7.2	18
15	Self-organization of Roles Based on Multilateral Negotiation for Task Allocation. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 173-180	0.9	4
14	Dual Manner of Using Neural Networks in a Multiagent System to Solve Inductive Learning Problems and to Learn from Experience. <i>Studies in Computational Intelligence</i> , <b>2011</b> , 81-91	0.8	

13	Evolving Equilibrium Policies for a Multiagent Reinforcement Learning Problem with State Attractors. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 201-210	0.9	1
12	Prediction of the Liquid-Crystalline Property Using Different Classification Methods. <i>Molecular Crystals and Liquid Crystals</i> , <b>2010</b> , 518, 129-148	0.5	7
11	Stacked Heterogeneous Neural Networks for Time Series Forecasting. <i>Mathematical Problems in Engineering</i> , <b>2010</b> , 2010, 1-20	1.1	7
10	Comparison between different methods for developing neural network topology applied to a complex polymerization process <b>2010</b> ,		3
9	Modeling Methodology Based on Stacked Neural Networks Applied to the Photocatalytic Degradation of Triclopyr. <i>Separation Science and Technology</i> , <b>2010</b> , 45, 1644-1650	2.5	10
8	Stacked Neural Network Modeling Applied to the Synthesis of Polyacrylamide-Based Multicomponent Hydrogels. <i>Macromolecular Reaction Engineering</i> , <b>2010</b> , 4, 591-598	1.5	10
7	Performance Analysis of Algorithms for Protein Structure Classification <b>2009</b> ,		5
6	A Computational Approach for the Assessment of Seismic Vulnerability Based on the National Data Infrastructure. <i>Advanced Materials Research</i> , <b>2008</b> , 33-37, 789-794	0.5	0
5	Optimization strategy based on genetic algorithms and neural networks applied to a polymerization process. <i>International Journal of Quantum Chemistry</i> , <b>2007</b> , 108, 617-630	2.1	20
4	Machine Learning Methods Used to Predict the Liquid-Crystalline Behavior of Some Copolyethers. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 469, 1-22	0.5	10
3	Alternatives for multiobjective optimization of a polymerization process. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 3680-3695	2.9	13
2	Hybrid Neural Network Models Applied to a Free Radical Polymerization Process. <i>Polymer-Plastics Technology and Engineering</i> , <b>2006</b> , 45, 1013-1023		18
1	Digital Image Evolution of Artwork Without Human Evaluation Using the Example of the Evolving Mona Lisa Problem. <i>Vietnam Journal of Computer Science</i> , 1-13	0.8	