

# Florin Leon

## 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.

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	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
83	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
82	Machine learning approaches for anomaly detection of water quality on a real-world data set** This study extends the work in Muharemi, Logof�u, Andersson, and Leon (2018a)View all notes. <i>Journal of Information and Telecommunication</i> , <b>2019</b> , 3, 294-307	1.4	35
81	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
80	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
79	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
78	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
77	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
76	. <i>IEEE Access</i> , <b>2018</b> , 6, 72774-72785	3.5	14
75	Alternatives for multiobjective optimization of a polymerization process. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 3680-3695	2.9	13
74	Evaluating the effect of voting methods on ensemble-based classification <b>2017</b> ,		12
73	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
72	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
71	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
70	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
69	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
68	A Review of Tracking and Trajectory Prediction Methods for Autonomous Driving. <i>Mathematics</i> , <b>2021</b> , 9, 660	2.3	10

67	Postdisaster Evacuation Scenarios Using Multiagent System. <i>Journal of Computing in Civil Engineering</i> , <b>2016</b> , 30, 05016002	5	10
66	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
65	Prediction of liquid-crystalline property using support vector machine classification. <i>Journal of Chemometrics</i> , <b>2013</b> , 27, 179-188	1.6	9
64	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
63	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
62	Stacked Heterogeneous Neural Networks for Time Series Forecasting. <i>Mathematical Problems in Engineering</i> , <b>2010</b> , 2010, 1-20	1.1	7
61	Agent-Based Evacuation Model considering Field Effects and Government Advice. <i>Transportation Research Record</i> , <b>2015</b> , 2532, 129-140	1.7	6
60	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
59	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
58	An Optimization Web Service for a Freight Brokering System. <i>Service Science</i> , <b>2017</b> , 9, 324-337	2.2	5
57	Performance Analysis of Algorithms for Protein Structure Classification <b>2009</b> ,		5
56	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
55	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
54	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
53	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
52	Optimizing neural network topology using Shapley value <b>2014</b> ,		4
51	Emergent Behaviors in Social Networks of Adaptive Agents. <i>Mathematical Problems in Engineering</i> , <b>2012</b> , 2012, 1-19	1.1	4
50	Multiagent Coalition Structure Optimization by Quantum Annealing. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 331-341	0.9	4

49	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
48	A Multiagent System Generating Complex Behaviours. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 154-164	0.9	4
47	Evolutionary Algorithm for Large Margin Nearest Neighbour Regression. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 305-315	0.9	3
46	Stabilization Methods for a Multiagent System with Complex Behaviours. <i>Computational Intelligence and Neuroscience</i> , <b>2015</b> , 2015, 236285	3	3
45	Comparison between different methods for developing neural network topology applied to a complex polymerization process <b>2010</b> ,		3
44	ActressMAS, a .NET Multi-Agent Framework Inspired by the Actor Model. <i>Mathematics</i> , <b>2022</b> , 10, 382	2.3	3
43	The Two-Hemisphere Modelling Approach to the Composition of Cyber-Physical Systems <b>2017</b> ,		3
42	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
41	Modeling and Enactment of Business Agents Using Jason <b>2016</b> ,		3
40	Analyzing the effects of virality and topology for information diffusion in social networks <b>2017</b> ,		2
39	Critical Assessment of Road Network Resilience Using an Agent-Based Evacuation Model <b>2015</b> ,		2
38	Exploring the relationships between students' learning styles and social media use in educational settings <b>2013</b> ,		2
37	Brief Survey of Model-Based Reinforcement Learning Techniques <b>2020</b> ,		2
36	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
35	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
34	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
33	01IP and QUBO: Optimization Methods for Redundancy Allocation in Complex Systems <b>2019</b> ,		2
32	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

31	A comparison between Jason and F# programming languages for the enactment of business agents <b>2016</b> ,		1
30	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
29	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
28	Real-valued quantum-inspired evolutionary algorithm for multi-issue multi-lateral negotiation <b>2012</b> ,		1
27	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
26	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
25	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
24	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
23	General Video Game AI Controller - Integrating Three Algorithms to Bring a New Solution <b>2019</b> ,		1
22	Freight transportation broker agent based on constraint logic programming. <i>Evolving Systems</i> , <b>2020</b> , 11, 363-382	2.1	1
21	Convolutional Neural Networks for Web Documents Classification. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 289-302	0.9	1
20	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
19	Expressing multiagent coalition structure problems for optimisation by quantum annealing. <i>Enterprise Information Systems</i> , <b>2019</b> , 13, 959-978	3.5	0
18	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
17	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
16	Textile Wastewater Treatment in a Spinning Disc Reactor: Improved PerformancesExperimental, Modeling and SVM Optimization. <i>Processes</i> , <b>2021</b> , 9, 2003	2.9	0
15	Optimization Methods for Redundancy Allocation in Large Systems. <i>Vietnam Journal of Computer Science</i> , <b>2020</b> , 07, 281-299	0.8	0
14	An Experimental Study of Machine Learning for Phishing Detection. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 427-439	0.9	0

13	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
12	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	
11	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	
10	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	
9	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	
8	A Modified I2A Agent for Learning in a Stochastic Environment. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 388-399	0.9	
7	Optimization of Freight Transportation Brokerage Using Agents and Constraints. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 451-464	0.3	
6	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	
5	Probabilistic Path Finding Method for Post-Disaster Risk Estimation. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2014</b> , 61-76	0.2	
4	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	
3	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	
2	The effect of collaborative behaviors in emergency evacuation. <i>Simulation Modelling Practice and Theory</i> , <b>2022</b> , 102554	3.9	
1	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	