

# Javier Sedano

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

428  
citations

933447

10  
h-index

794594

19  
g-index

55  
all docs

55  
docs citations

55  
times ranked

434  
citing authors

#	ARTICLE	IF	CITATIONS
1	A soft computing method for detecting lifetime building thermal insulation failures. Integrated Computer-Aided Engineering, 2010, 17, 103-115.	4.6	83
2	Generalized Models for the Classification of Abnormal Movements in Daily Life and its Applicability to Epilepsy Convulsion Recognition. International Journal of Neural Systems, 2016, 26, 1650037.	5.2	42
3	A fuzzy logic based efficient energy saving approach for domestic heating systems. Integrated Computer-Aided Engineering, 2009, 16, 151-163.	4.6	40
4	An IoT Platform for Epilepsy Monitoring and Supervising. Journal of Sensors, 2017, 2017, 1-18.	1.1	40
5	Applying soft computing techniques to optimise a dental milling process. Neurocomputing, 2013, 109, 94-104.	5.9	18
6	The application of a two-step AI model to an automated pneumatic drilling process. International Journal of Computer Mathematics, 2009, 86, 1769-1777.	1.8	17
7	An intelligent route management system for electric vehicle charging. Integrated Computer-Aided Engineering, 2013, 20, 321-333.	4.6	15
8	A hybrid intelligent recognition system for the early detection of strokes. Integrated Computer-Aided Engineering, 2015, 22, 215-227.	4.6	15
9	A CLUSTER MERGING METHOD FOR TIME SERIES MICROARRAY WITH PRODUCTION VALUES. International Journal of Neural Systems, 2014, 24, 1450018.	5.2	13
10	Optimising operational costs using Soft Computing techniques. Integrated Computer-Aided Engineering, 2011, 18, 313-325.	4.6	11
11	Meta-heuristic improvements applied for steel sheet incremental cold shaping. Memetic Computing, 2012, 4, 249-261.	4.0	10
12	Urban bicycles renting systems: Modelling and optimization using nature-inspired search methods. Neurocomputing, 2014, 135, 98-106.	5.9	10
13	Identification of abnormal movements with 3D accelerometer sensors for seizure recognition. Journal of Applied Logic, 2017, 24, 54-61.	1.1	10
14	Optimizing the operating conditions in a high precision industrial process using soft computing techniques. Expert Systems, 2012, 29, 276-299.	4.5	9
15	Evaluation of a Wrist-Based Wearable Fall Detection Method. Lecture Notes in Computer Science, 2018, , 377-386.	1.3	8
16	Minimizing Energy Consumption in Heating Systems under Uncertainty. Lecture Notes in Computer Science, 2008, , 583-590.	1.3	8
17	Optimizing a dental milling process by means of soft computing techniques. , 2010, , .		6
18	Mutating network scans for the assessment of supervised classifier ensembles. Logic Journal of the IGPL, 2013, 21, 630-647.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Autonomous on-wrist acceleration-based fall detection systems: unsolved challenges. Neurocomputing, 2021, 452, 404-413.	5.9	6
20	Improving Energy Efficiency in Buildings Using Machine Intelligence. Lecture Notes in Computer Science, 2009, , 773-782.	1.3	6
21	A bio-inspired computational high-precision dental milling system. , 2010, , .		4
22	Emerging Technologies: IoT, Big Data, and CPS with Sensory Systems. Journal of Sensors, 2018, 2018, 1-3.	1.1	4
23	AI for Modelling the Laser Milling of Copper Components. Lecture Notes in Computer Science, 2008, , 498-507.	1.3	4
24	Unsupervised Feature Selection in High Dimensional Spaces and Uncertainty. Lecture Notes in Computer Science, 2009, , 565-572.	1.3	4
25	Energy Saving by Means of Fuzzy Systems. Lecture Notes in Computer Science, 2007, , 155-167.	1.3	4
26	Analysing the Low Quality of the Data in Lighting Control Systems. Lecture Notes in Computer Science, 2010, , 421-428.	1.3	4
27	A novel hybrid intelligent system for multi-objective machine parameter optimization. Pattern Analysis and Applications, 2015, 18, 31-44.	4.6	3
28	Fall Detection Analysis Using a Real Fall Dataset. Advances in Intelligent Systems and Computing, 2019, , 334-343.	0.6	3
29	A Thermodynamical Model Study for an Energy Saving Algorithm. Lecture Notes in Computer Science, 2009, , 384-390.	1.3	3
30	A Soft Computing System to Perform Face Milling Operations. Lecture Notes in Computer Science, 2009, , 1282-1291.	1.3	3
31	Testing Ensembles for Intrusion Detection: On the Identification of Mutated Network Scans. Lecture Notes in Computer Science, 2011, , 109-117.	1.3	3
32	Pre-Clinical Study on the Detection of Simulated Epileptic Seizures. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2016, 24, 33-46.	1.9	2
33	Efficiency in Electrical Heating Systems: An MAS Real World Application. Advances in Intelligent and Soft Computing, 2009, , 460-469.	0.2	2
34	Soft Computing Decision Support for a Steel Sheet Incremental Cold Shaping Process. Lecture Notes in Computer Science, 2011, , 482-489.	1.3	2
35	Multi-objective learning of white box models with low quality data. Neurocomputing, 2012, 75, 219-225.	5.9	1
36	Simple heuristics for enhancing GP learning. Logic Journal of the IGPL, 2015, 23, 472-484.	1.5	1

#	ARTICLE	IF	CITATIONS
37	Steel Sheet Incremental Cold Shaping Improvements Using Hybridized Genetic Algorithms with Support Vector Machines and Neural Networks. Studies in Computational Intelligence, 2011, , 323-332.	0.9	1
38	Modelling of Heat Flux in Building Using Soft-Computing Techniques. Lecture Notes in Computer Science, 2010, , 636-645.	1.3	1
39	Evaluating the Low Quality Measurements in Lighting Control Systems. Advances in Intelligent and Soft Computing, 2010, , 119-126.	0.2	1
40	An Study of the Tree Generation Algorithms in Equation Based Model Learning with Low Quality Data. Lecture Notes in Computer Science, 2011, , 84-91.	1.3	1
41	A Hybrid System for Dental Milling Parameters Optimisation. Lecture Notes in Computer Science, 2011, , 437-446.	1.3	1
42	Tree Generation Methods Comparison in GAP Problems with Low Quality Data. Advances in Intelligent and Soft Computing, 2011, , 85-93.	0.2	1
43	Soft Computing for the Analysis of People Movement Classification. Advances in Intelligent Systems and Computing, 2013, , 241-248.	0.6	1
44	Conventional Methods and AI models for Solving an Industrial an Industrial Problem. , 2008, , .		0
45	Improving enterprise resource planning results using knowledge extraction and learning. , 2010, , .		0
46	Intelligent operating conditions design by means of bio-inspired models. , 2011, , .		0
47	Low Quality Data Management for Optimising Energy Efficiency in Distributed Agents. Advances in Intelligent and Soft Computing, 2010, , 673-680.	0.2	0
48	Machine Parameters Optimisation Using Soft Computing Techniques for a Dental Milling Process. Advances in Intelligent and Soft Computing, 2011, , 599-609.	0.2	0
49	Prediction of Dental Milling Time-Error by Flexible Neural Trees and Fuzzy Rules. Lecture Notes in Computer Science, 2012, , 842-849.	1.3	0
50	Comparison of Fuzzy Functions for Low Quality Data GAP Algorithms. Lecture Notes in Computer Science, 2012, , 339-349.	1.3	0
51	Neural Visualization for the Analysis of Energy and Water Consumptions in the Automotive Industry. Advances in Intelligent Systems and Computing, 2019, , 167-176.	0.6	0
52	Early Detection of Flash Floods Using Case-Based Reasoning. , 0, , .		0