Salvador Garcia

List of Publications by Year in Descending Order

185 papers	15,795 citations	46 h-index	125 g-index
198 ext. papers	19,937 ext. citations	5 avg, IF	7.09 L-index

#	Paper	IF	Citations
185	BELIEF: A distance-based redundancy-proof feature selection method for Big Data. *Information Sciences*, **2021**, 558, 124-139	7.7	2
184	Fuzzy k-nearest neighbors with monotonicity constraints: Moving towards the robustness of monotonic noise. *Neurocomputing*, **2021**, 439, 106-121	5.4	6
183	How to design the fair experimental classifier evaluation. *Applied Soft Computing Journal*, **2021**, 104, 107219	7.5	15
182	SOUL: Scala Oversampling and Undersampling Library for imbalance classification. *SoftwareX*, **2021**, 15, 100767	2.7	0
181	Synthetic Sample Generation for Label Distribution Learning. *Information Sciences*, **2021**, 544, 197-213	7.7	3
180	A tutorial on distance metric learning: Mathematical foundations, algorithms, experimental analysis, prospects and challenges. *Neurocomputing*, **2021**, 425, 300-322	5.4	29
179	Decomposition-Fusion for Label Distribution Learning. *Information Fusion*, **2021**, 66, 64-75	16.7	3
178	EUSC: A clustering-based surrogate model to accelerate evolutionary undersampling in imbalanced classification. *Applied Soft Computing Journal*, **2021**, 101, 107033	7.5	6
177	. *IEEE Access*, **2021**, 9, 85488-85499	3.5	1
176	Distance Metric Learning with Prototype Selection for Imbalanced Classification. *Lecture Notes in Computer Science*, **2021**, 391-402	0.9	1
175	CommuniMents **2021**, 382-404		
174	Enhancing instance-level constrained clustering through differential evolution. *Applied Soft Computing Journal*, **2021**, 108, 107435	7.5	2
173	ProLSFEO-LDL: Prototype Selection and Label- Specific Feature Evolutionary Optimization for Label Distribution Learning. *Applied Sciences (Switzerland)*, **2020**, 10, 3089	2.6	3
172	Big Data Preprocessing **2020**,		19
171	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. *Cognitive Computation*, **2020**, 12, 897-939	4.4	57
170	Recent trends in the use of statistical tests for comparing swarm and evolutionary computing algorithms: Practical guidelines and a critical review. *Swarm and Evolutionary Computation*, **2020**, 54, 100665	9.8	159
169	DILS: Constrained clustering through dual iterative local search. *Computers and Operations Research* , **2020**, 121, 104979	4.6	5

168	Improving constrained clustering via decomposition-based multiobjective optimization with memetic elitism **2020**,		1
167	Big Data Discretization **2020**, 121-146		2
166	Big Data Software **2020**, 161-182		
165	Final Thoughts: From Big Data to Smart Data **2020**, 183-186		
164	Agglomerative Constrained Clustering Through Similarity and Distance Recalculation. *Lecture Notes in Computer Science*, **2020**, 424-436	0.9	
163	Imperfect Big Data **2020**, 101-119		
162	Smart Data **2020**, 45-51		2
161	Data Reduction for Big Data **2020**, 81-99		1
160	Imbalanced Data Preprocessing for Big Data **2020**, 147-160		2
159	Explainable Artificial Intelligence (XAI): Concepts, taxonomies, opportunities and challenges toward responsible AI. *Information Fusion*, **2020**, 58, 82-115	16.7	1210
158	Preprocessing methodology for time series: An industrial world application case study. *Information Sciences*, **2020**, 514, 385-401	7.7	8
157	A practical tutorial on bagging and boosting based ensembles for machine learning: Algorithms, software tools, performance study, practical perspectives and opportunities. *Information Fusion*, **2020**, 64, 205-237	16.7	46
156	Fast and Scalable Approaches to Accelerate the Fuzzy k-Nearest Neighbors Classifier for Big Data. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 874-886	8.3	17
155	Smartdata: Data preprocessing to achieve smart data in R. *Neurocomputing*, **2019**, 360, 1-13	5.4	8
154	OCAPIS: R package for Ordinal Classification and Preprocessing in Scala. *Progress in Artificial Intelligence*, **2019**, 8, 287-292	4	2
153	Adaptive cooperation of multi-swarm particle swarm optimizer-based hidden Markov model. *Progress in Artificial Intelligence*, **2019**, 8, 441-452	4	9
152	Label noise filtering techniques to improve monotonic classification. *Neurocomputing*, **2019**, 353, 83-95	5.4	5
151	Monotonic classification: An overview on algorithms, performance measures and data sets. *Neurocomputing*, **2019**, 341, 168-182	5.4	24

150	Instance reduction for one-class classification. *Knowledge and Information Systems*, **2019**, 59, 601-628	2.4	16
149	DPASF: a flink library for streaming data preprocessing. *Big Data Analytics*, **2019**, 4,	2.9	7
148	From Big to Smart Data: Iterative ensemble filter for noise filtering in Big Data classification. *International Journal of Intelligent Systems*, **2019**, 34, 3260-3274	8.4	7
147	A snapshot on nonstandard supervised learning problems: taxonomy, relationships, problem transformations and algorithm adaptations. *Progress in Artificial Intelligence*, **2019**, 8, 1-14	4	23
146	Transforming big data into smart data: An insight on the use of the k-nearest neighbors algorithm to obtain quality data. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2019**, 9, e1289	6.9	30
145	Enabling Smart Data: Noise filtering in Big Data classification. *Information Sciences*, **2019**, 479, 135-152	7.7	64
144	Chain based sampling for monotonic imbalanced classification. *Information Sciences*, **2019**, 474, 187-204	7.7	15
143	DRCW-ASEG: One-versus-One distance-based relative competence weighting with adaptive synthetic example generation for multi-class imbalanced datasets. *Neurocomputing*, **2018**, 285, 176-187	5.4	20
142	Dynamic ensemble selection for multi-class imbalanced datasets. *Information Sciences*, **2018**, 445-446, 22-37	7.7	80
141	A practical tutorial on autoencoders for nonlinear feature fusion: Taxonomy, models, software and guidelines. *Information Fusion*, **2018**, 44, 78-96	16.7	130
140	MC2ESVM: Multiclass Classification Based on Cooperative Evolution of Support Vector Machines. *IEEE Computational Intelligence Magazine*, **2018**, 13, 18-29	5.6	13
139	Online entropy-based discretization for data streaming classification. *Future Generation Computer Systems*, **2018**, 86, 59-70	7.5	12
138	Principal Components Analysis Random Discretization Ensemble for Big Data. *Knowledge-Based Systems*, **2018**, 150, 166-174	7.3	22
137	Big Data: Tutorial and guidelines on information and process fusion for analytics algorithms with MapReduce. *Information Fusion*, **2018**, 42, 51-61	16.7	90
136	A distributed evolutionary multivariate discretizer for Big Data processing on Apache Spark. *Swarm and Evolutionary Computation*, **2018**, 38, 240-250	9.8	21
135	Self Inertia Weight Adaptation for the Particle Swarm Optimization **2018**,		7
134	A First Attempt on Monotonic Training Set Selection. *Lecture Notes in Computer Science*, **2018**, 277-288	0.9	1
133	On the use of convolutional neural networks for robust classification of multiple fingerprint captures. *International Journal of Intelligent Systems*, **2018**, 33, 213-230	8.4	44

132	A preliminary study on Hybrid Spill-Tree Fuzzy k-Nearest Neighbors for big data classification **2018**,		2
131	Learning from Imbalanced Data Sets **2018**,		198
130	Introduction to KDD and Data Science **2018**, 1-17		5
129	Software and Libraries for Imbalanced Classification **2018**, 351-377		
128	Data Level Preprocessing Methods **2018**, 79-121		0
127	Dimensionality Reduction for Imbalanced Learning **2018**, 227-251		2
126	Imbalanced Classification for Big Data **2018**, 327-349		4
125	Foundations on Imbalanced Classification **2018**, 19-46		5
124	Algorithm-Level Approaches **2018**, 123-146		4
123	Imbalanced Classification with Multiple Classes **2018**, 197-226		0
122	Ensemble Learning **2018**, 147-196		3
121	Data Intrinsic Characteristics **2018**, 253-277		2
120	Imbalance: Oversampling algorithms for imbalanced classification in R. *Knowledge-Based Systems*, **2018**, 161, 329-341	7.3	29
119	On the Use of Random Discretization and Dimensionality Reduction in Ensembles for Big Data. *Lecture Notes in Computer Science*, **2018**, 15-26	0.9	1
118	MoNGEL: monotonic nested generalized exemplar learning. *Pattern Analysis and Applications*, **2017**, 20, 441-452	2.3	8
117	A survey on data preprocessing for data stream mining: Current status and future directions. *Neurocomputing*, **2017**, 239, 39-57	5.4	199
116	Prototype selection to improve monotonic nearest neighbor. *Engineering Applications of Artificial Intelligence*, **2017**, 60, 128-135	7.2	16
115	A comparison on scalability for batch big data processing on Apache Spark and Apache Flink. *Big Data Analytics*, **2017**, 2,	2.9	42

114	Exploring the effectiveness of dynamic ensemble selection in the one-versus-one scheme. *Knowledge-Based Systems*, **2017**, 125, 53-63	7.3	19
113	Minutiae-based fingerprint matching decomposition: Methodology for big data frameworks. *Information Sciences*, **2017**, 408, 198-212	7.7	24
112	Class Switching according to Nearest Enemy Distance for learning from highly imbalanced data-sets. *Pattern Recognition*, **2017**, 70, 12-24	7.7	27
111	Cost-Sensitive back-propagation neural networks with binarization techniques in addressing multi-class problems and non-competent classifiers. *Applied Soft Computing Journal*, **2017**, 56, 357-367	7.5	22
110	Distributed incremental fingerprint identification with reduced database penetration rate using a hierarchical classification based on feature fusion and selection. *Knowledge-Based Systems*, **2017**, 126, 91-103	7.3	24
109	. *IEEE Transactions on Evolutionary Computation*, **2017**, 21, 863-877	15.6	36
108	Training set selection for monotonic ordinal classification. *Data and Knowledge Engineering*, **2017**, 112, 94-105	1.5	7
107	CommuniMents. *International Journal on Semantic Web and Information Systems*, **2017**, 13, 87-108	1.4	21
106	Evolutionary Fuzzy Rule-Based Methods for Monotonic Classification. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 1376-1390	8.3	29
105	Nearest Neighbor Classification for High-Speed Big Data Streams Using Spark. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2727-2739	7.3	38
104	Exact fuzzy k-nearest neighbor classification for big datasets **2017**,		12
103	KEEL 3.0: An Open Source Software for Multi-Stage Analysis in Data Mining. *International Journal of Computational Intelligence Systems*, **2017**, 10, 1238	3.4	122
102	rNPBST: An R Package Covering Non-parametric and Bayesian Statistical Tests. *Lecture Notes in Computer Science*, **2017**, 281-292	0.9	16
101	Evolutionary wrapper approaches for training set selection as preprocessing mechanism for support vector machines: Experimental evaluation and support vector analysis. *Applied Soft Computing Journal*, **2016**, 38, 10-22	7.5	27
100	Evolutionary fuzzy k-nearest neighbors algorithm using interval-valued fuzzy sets. *Information Sciences*, **2016**, 329, 144-163	7.7	53
99	Multivariate Discretization Based on Evolutionary Cut Points Selection for Classification. *IEEE Transactions on Cybernetics*, **2016**, 46, 595-608	10.2	28
98	Big data preprocessing: methods and prospects. *Big Data Analytics*, **2016**, 1,	2.9	172
97	Current prospects on ordinal and monotonic classification. *Progress in Artificial Intelligence*, **2016**, 5, 171-179	4	15

96	Empowering one-vs-one decomposition with ensemble learning for multi-class imbalanced data. *Knowledge-Based Systems*, **2016**, 106, 251-263	7.3	66
95	Hyperrectangles Selection for Monotonic Classification by Using Evolutionary Algorithms. *International Journal of Computational Intelligence Systems*, **2016**, 9, 184	3.4	11
94	Tutorial on practical tips of the most influential data preprocessing algorithms in data mining. *Knowledge-Based Systems*, **2016**, 98, 1-29	7.3	138
93	Managing Monotonicity in Classification by a Pruned AdaBoost. *Lecture Notes in Computer Science*, **2016**, 512-523	0.9	2
92	A Wrapper Evolutionary Approach for Supervised Multivariate Discretization: A Case Study on Decision Trees. *Advances in Intelligent Systems and Computing*, **2016**, 47-58	0.4	
91	From Big Data to Smart Data with the K-Nearest Neighbours Algorithm **2016**,		4
90	DPD-DFF: A dual phase distributed scheme with double fingerprint fusion for fast and accurate identification in large databases. *Information Fusion*, **2016**, 32, 40-51	16.7	15
89	A Nearest Hyperrectangle Monotonic Learning Method. *Lecture Notes in Computer Science*, **2016**, 311-322	0.9	
88	Landmark-based music recognition system optimisation using genetic algorithms. *Multimedia Tools and Applications*, **2016**, 75, 16905-16922	2.5	1
87	Data discretization: taxonomy and big data challenge. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2016**, 6, 5-21	6.9	71
86	Feature Selection. *Intelligent Systems Reference Library*, **2015**, 163-193	0.8	7
85	A survey of fingerprint classification Part II: Experimental analysis and ensemble proposal. *Knowledge-Based Systems*, **2015**, 81, 98-116	7.3	31
84	A survey on fingerprint minutiae-based local matching for verification and identification: Taxonomy and experimental evaluation. *Information Sciences*, **2015**, 315, 67-87	7.7	82
83	SEG-SSC: a framework based on synthetic examples generation for self-labeled semi-supervised classification. *IEEE Transactions on Cybernetics*, **2015**, 45, 622-34	10.2	41
82	Self-labeled techniques for semi-supervised learning: taxonomy, software and empirical study. *Knowledge and Information Systems*, **2015**, 42, 245-284	2.4	236
81	MRPR: A MapReduce solution for prototype reduction in big data classification. *Neurocomputing*, **2015**, 150, 331-345	5.4	159
80	Data Preprocessing in Data Mining. *Intelligent Systems Reference Library*, **2015**,	0.8	270
79	Discretization. *Intelligent Systems Reference Library*, **2015**, 245-283	0.8	2

78	Monotonic Random Forest with an Ensemble Pruning Mechanism based on the Degree of Monotonicity. *New Generation Computing*, **2015**, 33, 367-388	0.9	29
77	Distributed Entropy Minimization Discretizer for Big Data Analysis under Apache Spark **2015**,		15
76	A survey of fingerprint classification Part I: Taxonomies on feature extraction methods and learning models. *Knowledge-Based Systems*, **2015**, 81, 76-97	7.3	42
75	Dealing with Missing Values. *Intelligent Systems Reference Library*, **2015**, 59-105	0.8	7
74	Dealing with Noisy Data. *Intelligent Systems Reference Library*, **2015**, 107-145	0.8	5
73	Data Reduction. *Intelligent Systems Reference Library*, **2015**, 147-162	0.8	1
72	Instance Selection. *Intelligent Systems Reference Library*, **2015**, 195-243	0.8	4
71	Data Preparation Basic Models. *Intelligent Systems Reference Library*, **2015**, 39-57	0.8	4
70	Data Sets and Proper Statistical Analysis of Data Mining Techniques. *Intelligent Systems Reference Library*, **2015**, 19-38	0.8	1
69	A Data Mining Software Package Including Data Preparation and Reduction: KEEL. *Intelligent Systems Reference Library*, **2015**, 285-313	0.8	2
68	Managing Monotonicity in Classification by a Pruned Random Forest. *Lecture Notes in Computer Science*, **2015**, 53-60	0.9	1
67	Fuzzy nearest neighbor algorithms: Taxonomy, experimental analysis and prospects. *Information Sciences*, **2014**, 260, 98-119	7.7	72
66	A first attempt on evolutionary prototype reduction for nearest neighbor one-class classification **2014**,		3
65	Analyzing convergence performance of evolutionary algorithms: A statistical approach. *Information Sciences*, **2014**, 289, 41-58	7.7	86
64	On the characterization of noise filters for self-training semi-supervised in nearest neighbor classification. *Neurocomputing*, **2014**, 132, 30-41	5.4	59
63	On the statistical analysis of the parameters trend in a machine learning algorithm. *Progress in Artificial Intelligence*, **2014**, 3, 51-53	4	3
62	A combined MapReduce-windowing two-level parallel scheme for evolutionary prototype generation **2014**,		5
61	Addressing imbalanced classification with instance generation techniques: IPADE-ID. *Neurocomputing*, **2014**, 126, 15-28	5.4	42

60	An insight into classification with imbalanced data: Empirical results and current trends on using data intrinsic characteristics. *Information Sciences*, **2013**, 250, 113-141	7.7	829
59	Statistical analysis of convergence performance throughout the evolutionary search: A case study with SaDE-MMTS and Sa-EPSDE-MMTS **2013**,		9
58	On the use of evolutionary feature selection for improving fuzzy rough set based prototype selection. *Soft Computing*, **2013**, 17, 223-238	3.5	27
57	. *IEEE Transactions on Knowledge and Data Engineering*, **2013**, 25, 734-750	4.2	284
56	Enhancing evolutionary instance selection algorithms by means of fuzzy rough set based feature selection. *Information Sciences*, **2012**, 186, 73-92	7.7	86
55	Web usage mining to improve the design of an e-commerce website: OrOliveSur.com. *Expert Systems With Applications*, **2012**, 39, 11243-11249	7.8	72
54	Evolutionary-based selection of generalized instances for imbalanced classification. *Knowledge-Based Systems*, **2012**, 25, 3-12	7.3	99
53	Prototype selection for nearest neighbor classification: taxonomy and empirical study. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2012**, 34, 417-35	13.3	449
52	Integrating a differential evolution feature weighting scheme into prototype generation. *Neurocomputing*, **2012**, 97, 332-343	5.4	21
51	Integrating instance selection, instance weighting, and feature weighting for nearest neighbor classifiers by coevolutionary algorithms. *IEEE Transactions on Systems, Man, and Cybernetics*, **2012**, 42, 1383-97		45
50	A Co-evolutionary Framework for Nearest Neighbor Enhancement: Combining Instance and Feature Weighting with Instance Selection. *Lecture Notes in Computer Science*, **2012**, 176-187	0.9	1
49	A Taxonomy and Experimental Study on Prototype Generation for Nearest Neighbor Classification. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2012**, 42, 86-100		171
48	On the choice of the best imputation methods for missing values considering three groups of classification methods. *Knowledge and Information Systems*, **2012**, 32, 77-108	2.4	132
47	Addressing the Classification with Imbalanced Data: Open Problems and New Challenges on Class Distribution. *Lecture Notes in Computer Science*, **2011**, 1-10	0.9	28
46	Addressing data complexity for imbalanced data sets: analysis of SMOTE-based oversampling and evolutionary undersampling. *Soft Computing*, **2011**, 15, 1909-1936	3.5	109
45	Evolutionary selection of hyperrectangles in nested generalized exemplar learning. *Applied Soft Computing Journal*, **2011**, 11, 3032-3045	7.5	17
44	Differential evolution for optimizing the positioning of prototypes in nearest neighbor classification. *Pattern Recognition*, **2011**, 44, 901-916	7.7	98
43	A study of the scaling up capabilities of stratified prototype generation **2011**,		4

42	Using KEEL software as a educational tool: A case of study teaching data mining **2011**,		5
41	A practical tutorial on the use of nonparametric statistical tests as a methodology for comparing evolutionary and swarm intelligence algorithms. *Swarm and Evolutionary Computation*, **2011**, 1, 3-18	9.8	2857
40	Enhancing IPADE Algorithm with a Different Individual Codification. *Lecture Notes in Computer Science*, **2011**, 262-270	0.9	4
39	A Preliminary Study on the Use of Fuzzy Rough Set Based Feature Selection for Improving Evolutionary Instance Selection Algorithms. *Lecture Notes in Computer Science*, **2011**, 174-182	0.9	1
38	A Survey on Evolutionary Instance Selection and Generation. *International Journal of Applied Metaheuristic Computing*, **2010**, 1, 60-92	0.8	42
37	A preliminary study on the use of differential evolution for adjusting the position of examples in nearest neighbor classification **2010**,		3
36	IPADE: Iterative prototype adjustment for nearest neighbor classification. *IEEE Transactions on Neural Networks*, **2010**, 21, 1984-90		43
35	IFS-CoCo: Instance and feature selection based on cooperative coevolution with nearest neighbor rule. *Pattern Recognition*, **2010**, 43, 2082-2105	7.7	63
34	Stratified prototype selection based on a steady-state memetic algorithm: a study of scalability. *Memetic Computing*, **2010**, 2, 183-199	3.4	28
33	Genetics-Based Machine Learning for Rule Induction: State of the Art, Taxonomy, and Comparative Study. *IEEE Transactions on Evolutionary Computation*, **2010**, 14, 913-941	15.6	106
32	A study on the use of imputation methods for experimentation with Radial Basis Function Network classifiers handling missing attribute values: the good synergy between RBFNs and EventCovering method. *Neural Networks*, **2010**, 23, 406-18	9.1	58
31	Advanced nonparametric tests for multiple comparisons in the design of experiments in computational intelligence and data mining: Experimental analysis of power. *Information Sciences*, **2010**, 180, 2044-2064	7.7	1240
30	A Review on Evolutionary Prototype Selection **2010**, 92-113		1
29	IFS-CoCo in the Landscape Contest: Description and Results. *Lecture Notes in Computer Science*, **2010**, 56-65	0.9	1
28	A Preliminary Study on the Selection of Generalized Instances for Imbalanced Classification. *Lecture Notes in Computer Science*, **2010**, 601-610	0.9	
27	DIAGNOSE EFFECTIVE EVOLUTIONARY PROTOTYPE SELECTION USING AN OVERLAPPING MEASURE. *International Journal of Pattern Recognition and Artificial Intelligence*, **2009**, 23, 1527-1548	1.1	22
26	KEEL: a software tool to assess evolutionary algorithms for data mining problems. *Soft Computing*, **2009**, 13, 307-318	3.5	896
25	A study of statistical techniques and performance measures for genetics-based machine learning: accuracy and interpretability. *Soft Computing*, **2009**, 13, 959-977	3.5	460

24	A study on the use of non-parametric tests for analyzing the evolutionary algorithms behaviour: a case study on the CEC 2005 Special Session on Real Parameter Optimization. *Journal of Heuristics*, **2009**, 15, 617-644	1.9	1223
23	A study on the use of statistical tests for experimentation with neural networks: Analysis of parametric test conditions and non-parametric tests. *Expert Systems With Applications*, **2009**, 36, 7798-7808	7.8	103
22	Enhancing the effectiveness and interpretability of decision tree and rule induction classifiers with evolutionary training set selection over imbalanced problems. *Applied Soft Computing Journal*, **2009** , 9, 1304-1314	7.5	72
21	Evolutionary undersampling for classification with imbalanced datasets: proposals and taxonomy. *Evolutionary Computation*, **2009**, 17, 275-306	4.3	230
20	Addressing Data-Complexity for Imbalanced Data-Sets: A Preliminary Study on the Use of Preprocessing for C4.5 **2009**,		3
19	A First Approach to Nearest Hyperrectangle Selection by Evolutionary Algorithms **2009**,		3
18	A First Study on the Use of Coevolutionary Algorithms for Instance and Feature Selection. *Lecture Notes in Computer Science*, **2009**, 557-564	0.9	46
17	KEEL: A data mining software tool integrating genetic fuzzy systems **2008**,		8
16	**2008**,		1
15	Making CN2-SD subgroup discovery algorithm scalable to large size data sets using instance selection. *Expert Systems With Applications*, **2008**, 35, 1949-1965	7.8	17
14	A memetic algorithm for evolutionary prototype selection: A scaling up approach. *Pattern Recognition*, **2008**, 41, 2693-2709	7.7	141
13	Subgroup discover in large size data sets preprocessed using stratified instance selection for increasing the presence of minority classes. *Pattern Recognition Letters*, **2008**, 29, 2156-2164	4.7	20
12	A study of the behaviour of linguistic fuzzy rule based classification systems in the framework of imbalanced data-sets. *Fuzzy Sets and Systems*, **2008**, 159, 2378-2398	3.7	196
11	Design of Experiments in Computational Intelligence: On the Use of Statistical Inference. *Lecture Notes in Computer Science*, **2008**, 4-14	0.9	1
10	A Study on the Use of Statistical Tests for Experimentation with Neural Networks **2007**, 72-79		1
9	A Study on the Use of the Fuzzy Reasoning Method Based on the Winning Rule vs. Voting Procedure for Classification with Imbalanced Data Sets. *Lecture Notes in Computer Science*, **2007**, 375-382	0.9	2
8	An Analysis of the Rule Weights and Fuzzy Reasoning Methods for Linguistic Rule Based Classification Systems Applied to Problems with Highly Imbalanced Data Sets. *Lecture Notes in Computer Science*, **2007**, 170-178	0.9	5
7	Incorporating Knowledge in Evolutionary Prototype Selection. *Lecture Notes in Computer Science*, **2006**, 1358-1366	0.9	

6	A Proposal of Evolutionary Prototype Selection for Class Imbalance Problems. *Lecture Notes in Computer Science*, **2006**, 1415-1423	0.9	3
5	SMOTE for Learning from Imbalanced Data: Progress and Challenges, Marking the 15-year Anniversary. *Journal of Artificial Intelligence Research*,61, 863-905	4	415
4	A Survey on Evolutionary Instance Selection and Generation233-266		4
3	Ordinal regression with explainable distance metric learning based on ordered sequences. *Machine Learning*,1	4	1
2	Introduction to the Experimental Design in the Data Mining Tool KEEL1-25		
1	An empirical study on the joint impact of feature selection and data resampling on imbalance classification. *Applied Intelligence*,	4.9	1