An artificial immune system for data analysis

#	Paper	IF	Citations
300	The application of RBF networks based on artificial immune algorithm in the performance prediction of steel bars.		
299	Data analysis using artificial immune systems, cluster analysis and Kohonen networks: some comparisons.		15
298	An artificial immune system for data analysis. *BioSystems*, **2000**, 55, 143-50	1.9	244
297	AINE: an immunological approach to data mining. **2001**,		33
296	A resource limited artificial immune system for data analysis. *Knowledge-Based Systems*, **2001**, 14, 121-130	7.3	155
295	A new classifier based on resource limited artificial immune systems.		28
294	A resource limited artificial immune classifier.		23
293	The fuzzy artificial immune system: motivations, basic concepts, and application to clustering and Web profiling.		16
292	Exploiting the Analogy between the Immune System and Sparse Distributed Memories. *Genetic Programming and Evolvable Machines*, **2003**, 4, 333-358	2	8
291	Using immunology principles for fault detection. **2003**, 50, 362-373		32
290	Artificial Immune Systems. *Lecture Notes in Computer Science*, **2003**,	0.9	10
289	A Scalable Artificial Immune System Model for Dynamic Unsupervised Learning. *Lecture Notes in Computer Science*, **2003**, 219-230	0.9	14
288	An investigation into the source of power for AIRS, an artificial immune classification system.		25
287	TECNO-STREAMS: tracking evolving clusters in noisy data streams with a scalable immune system learning model.		28
286	An on-line learning neuro-fuzzy system based on artificial immune systems.		
285	Artificial Immune Recognition System (AIRS): An Immune-Inspired Supervised Learning Algorithm. *Genetic Programming and Evolvable Machines*, **2004**, 5, 291-317	2	216
284	Optimization design of fuzzy neural network controller in direct torque control system.		2

283   The simulant discrimination between self and non-self by using strings.

282   The application of a coupled algorithm by the artificial immune and neural network.

281   ISLE A NOVEL IMMUNE-SYSTEM INSPIRED RULE EXTRACTION ALGORITHM. **2005**, 38, 289-294   1

280   Using retrieval measures to assess similarity in mining dynamic web clickstreams. **2005**,   4

279   A Discrimination Based Artificial Immune System for Classification.   1

278   A comparative analysis of artificial immune network models. **2005**,   20

277   How do we evaluate artificial immune systems?. **2005**, 13, 145-77   158

276   Immune System Based Distributed Node and Rate Selection in Wireless Sensor Networks. **2006**,   12

275   Survey of artificial immune system.   1

274   . **2006**,

273   A framework for mining evolving trends in Web data streams using dynamic learning and retrospective validation. **2006**, 50, 1488-1512   25

272   Advances in artificial immune systems. **2006**, 1, 40-49   249

271   An unsupervised artificial immune classifier for multi/hyperspectral remote sensing imagery. **2006**, 44, 420-431   107

270   Artificial Immune Networks: Models and Applications. **2006**,   4

269   The Study of Real-Time Detecting Algorithm on Eddy Current Nondestructive Testing. **2006**,

268   A Model For Detection and Diagnosis of Fault Based on Artificial Immune Theory. **2006**,   0

267   Fast 3D Brain Multi-thresholding Segmentation Based on Immuno-genetic Algorithm. **2007**,

266   A Three-Level-Module Adaptive Intrusion Detection System. **2007**,   1

265   Study on Multi Agent Recognizer Model Based on Immune RBF Neural Network. **2007**,

264   An artificial immune system with partially specified antibodies. **2007**,   4

263   A new approach of data clustering using a flock of agents. **2007**, 15, 345-67   21

262   Artificial Immune Networks Based Radial Basic Function Neural Networks Construction Algorithm and Application. **2007**,   1

261   Artificial immune systems for intelligent nurse rostering. **2007**,   3

260   A resource limited artificial immune system algorithm for supervised classification of multi/hyper-spectral remote sensing imagery. **2007**, 28, 1665-1686   16

259   3D Brain Segmentation Based on Immune Genetic Algorithm. **2007**,

258   . **2007**,

257   Application of Artificial Immune System in Constructing a Financial Early Warning System: An Example of Taiwanese Banking Industry. **2007**,

256   Revisiting the Foundations of Artificial Immune Systems for Data Mining. **2007**, 11, 521-540   89

255   Generating compact classifier systems using a simple artificial immune system. **2007**, 37, 1344-56   27

254   Real and artificial immune systems: computing the state of the body. **2007**, 7, 569-74   78

253   Intrusion detection using a hybridization of evolutionary fuzzy systems and artificial immune systems. **2007**,   4

252   Artificial Immune Systems. *Lecture Notes in Computer Science*, **2007**,   0.9   5

251   Exploration of Network Security Information Hid in Web Pages Based on Immunology. **2007**,

250   A Supervised Artificial Immune Classifier for Remote-Sensing Imagery. **2007**, 45, 3957-3966   43

249   Immune network control for stigmergy based foraging behaviour of autonomous mobile robots. **2007**, 21, 265-286   9

248   Detecting change in dynamic process systems with immunocomputing. **2007**, 20, 103-112   5

247	Artificial immune systems:Today and tomorrow. **2007**, 6, 1-18		95
246	Ant-based and swarm-based clustering. **2007**, 1, 95-113		118
245	Fundamentals of natural computing: an overview. **2007**, 4, 1-36		148
244	Multiobjective optimization using an immunodominance and clonal selection inspired algorithm. **2008**, 51, 1064-1082		11
243	A new fault detection method based on artificial immune systems. **2008**, 3, 706-711		15
242	A population-based artificial immune system for numerical optimization. **2008**, 72, 149-161		39
241	Artificial Immune Systems. *Lecture Notes in Computer Science*, **2008**,	0.9	4
240	Health monitoring method of aero-engine based on immunology principles. **2008**,		1
239	An artificial immune system based multi-agent model and its application to robot cooperation problem. **2008**,		1
238	ICAIS: A Novel Incremental Clustering Algorithm Based on Artificial Immune Systems. **2008**,		1
237	A Regional-Memory-Pattern Artificial Idiotypic Network and its Application in Multi-spectral Remote Sensing Image Classification. **2008**,		
236	Data collection and analysis for the reliability prediction and estimation of a safety critical system using AIRS. **2008**,		0
235	Intrusion Detection Based on Density Level Sets Estimation. **2008**,		2
234	Artificial Immune Networks: Models and Applications. **2008**, 1, 168-176		3
233	A memetic evolutionary search algorithm with variable length chromosome for rule extraction. **2008**,		1
232	An AIS algorithm for Web usage mining with directed mutation. **2008**,		2
231	A Solution of Irregular Parts Nesting Problem Based on Immune Genetic Algorithm. **2008**,		3
230	Research on the Application of Immune Network Theory in Risk Assessment. **2008**,		1

229	Soft sensor of naphtha dry point based on adaptive immune clustering RBF networks assembly. **2008**,	
228	Application of Improved Ant Colony System Algorithm in Optimization of Irregular Parts Nesting. **2008**,	5
227	A Multi-Mutation Pattern Immune Network for Intrusion Detection. **2008**,	1
226	Credit evaluation for mobile customers using artificial immune algorithms. **2008**,	
225	Application of Artificial Immune System Approach in MRI Classification. **2008**, 2008,	5
224	Weka machine learning for predicting the phospholipidosis inducing potential. **2008**, 8, 1691-709	69
223	Application of immune network theory for target-oriented multi-spectral remote sensing information mining. **2008**,	
222	. **2009**,	988
221	A novel adaptive intrusion detection approach based on comparison of neural networks and idiotypic networks. **2009**,	3
220	Emotional Intervention on an Action Selection Mechanism Based on Artificial Immune Networks for Navigation of Autonomous Agents. **2009**, 17, 135-152	6
219	On intrusion detection of RFID based on chaotic immune clustering model. **2009**,	1
218	A Novel Network Intrusion Detection Algorithm Based on Density Estimation. **2009**,	
217	Large-scale optimization using immune algorithm. **2009**,	1
216	Thyroid disease diagnosis using Artificial Immune Recognition System (AIRS). **2009**,	4
215	Tree structured artificial immune network with self-organizing reaction operator. **2009**, 73, 336-349	4
214	Computer-aided diagnosis of thyroid malignancy using an artificial immune system classification algorithm. **2009**, 13, 680-6	7
213	Associative Classification With Artificial Immune System. **2009**, 13, 217-228	26
212	Symbiotic artificial immune system. **2009**, 13, 565-575	1

211	Medical application of information gain based artificial immune recognition system (AIRS): Diagnosis of thyroid disease. **2009**, 36, 3086-3092		41
210	Medical application of information gain-based artificial immune recognition system (IG-AIRS): Classification of microorganism species. **2009**, 36, 5168-5172		9
209	Personal Credit Risk Measurement: Bilateral Antibody Artificial Immune Probability Model. **2009**, 29, 88-93		2
208	Immune K-means and negative selection algorithms for data analysis. **2009**, 179, 1407-1425		27
207	Complex Systems and Self-organization Modelling. *Understanding Complex Systems*, **2009**,	0.4	8
206	Guide to Wireless Sensor Networks. *Computer Communications and Networks*, **2009**,	0.5	28
205	Artificial Immune Systems. *Lecture Notes in Computer Science*, **2009**,	0.9	3
204	Change detection in dynamic fitness landscapes: An immunological approach. **2009**,		9
203	Flame Furnace in Thermal Power Plant Condition Monitoring Using SVM. **2009**,		0
202	Bio-inspired computing: constituents and challenges. **2009**, 1, 135		22
201	References. 539-586		0
200	An Unsupervised Network Intrusion Detection Based on Anomaly Analysis. **2009**,		1
199	Management and forecast of dynamic customer needs: An artificial immune and neural system approach. **2010**, 24, 96-106		32
198	An immune memory clonal algorithm for numerical and combinatorial optimization. **2010**, 4, 536-559		3
197	A modified version of a T-Cell Algorithm for constrained optimization problems. **2010**, 84, n/a-n/a		11
196	A survey on bio-inspired networking. **2010**, 54, 881-900		206
195	An evolutionary memetic algorithm for rule extraction. **2010**, 37, 1302-1315		35
194	Baldwinian learning in clonal selection algorithm for optimization. **2010**, 180, 1218-1236		73

193	Designing an Artificial Immune System-Based Machine Learning Classifier for Medical Diagnosis. *Lecture Notes in Computer Science*, **2010**, 333-341	0.9	2
192	Miniature Differential Mobility Spectrometry (DMS) Advances towards Portable Autonomous Health Diagnostic Systems. *Lecture Notes in Electrical Engineering*, **2010**, 55-73	0.2	1
191	Bio-inspired networking: from theory to practice. **2010**, 48, 176-183		76
190	Introduction to Evolutionary Algorithms. *Decision Engineering*, **2010**,	0.1	187
189	Artificial Immune Systems. *Lecture Notes in Computer Science*, **2010**,	0.9	4
188	Information Computing and Applications. *Lecture Notes in Computer Science*, **2010**,	0.9	1
187	Humoral artificial immune system (HAIS) For supervised learning. **2010**,		4
186	Search-based Prediction of Fault-slip-through in Large Software Projects. **2010**,		10
185	Using Faults-Slip-Through Metric as a Predictor of Fault-Proneness. **2010**,		16
184	The effect of mutation rate to Artificial Immune System algorithm optimization in solving engineering Gear Train problem. **2011**,		
183	Artificial immune system in risk of falling classification. **2011**,		
182	Establishment on Early Warning System of Grain Security in Zhangjiagang, China Using Immune-Based Optimized BP Neural Network Model. **2011**,		1
181	NSSAC: Negative selection-based self adaptive classifier. **2011**,		2
180	Clonal Selection Algorithm for Classification. *Lecture Notes in Computer Science*, **2011**, 361-370	0.9	12
179	Artificial Immune Systems. *Lecture Notes in Computer Science*, **2011**,	0.9	1
178	Nisin F, intraperitoneally injected, may have a stabilizing effect on the bacterial population in the gastro-intestinal tract, as determined in a preliminary study with mice as model. **2011**, 53, 198-201		12
177	Tumor Detection in MR Images Using One-Class Immune Feature Weighted SVMs. **2011**, 47, 3849-3852		25
176	Recent Advances in Artificial Immune Systems: Models and Applications. *Applied Soft Computing Journal*, **2011**, 11, 1574-1587	7.5	278

175   A medical image registration techniques based on improved artificial immune algorithm. **2011**,

174   An Optimizing Design Approach for the Fiber Manufacturing Based on the Immune Genetic Algorithm-Optimized Neural Network. **2011**, 267, 19-24

173   Clonal selection based Artificial Immune System for generalized pattern recognition. **2011**,   1

172   Determination of Optimal Parameters for the Immune Algorithm Used for Solving Inverse Heat Conduction Problems with and without a Phase Change. **2012**, 62, 462-478   19

171   HUMORAL ARTIFICIAL IMMUNE SYSTEM (HAIS) FOR SUPERVISED LEARNING. **2012**, 11, 1250004

170   Fault diagnosis in high voltage breakers based on IRBF neural network. **2012**,   1

169   Hormone concentration inception: Development an artificial immune system with immunomodulator (AISI) intervention. **2012**,

168   Tissue Detection in MR Images Based on an Improved SVM. **2012**,   0

167   A classification method based on Immune Genetic Algorithm. **2012**,

166   An Artificial Immune System for Classification With Local Feature Selection. **2012**, 16, 847-860   37

165   Application of an artificial immune system-based fuzzy neural network to a RFID-based positioning system. **2012**, 63, 943-956   24

164   Immune Based Clustering for Medical Diagnostic Systems. **2012**,   4

163   Artificial Immune Systems. *Lecture Notes in Computer Science*, **2012**,   0.9

162   IMMUNOLOGY AND ARTIFICIAL IMMUNE SYSTEMS. **2012**, 21, 1250031   2

161   Machine Learning and Data Mining in Pattern Recognition. *Lecture Notes in Computer Science*, **2012**,   0.9   5

160   Explaining Diverse Application Domains Analyzed from Data Mining Perspective. **2012**,

159   An artificial immune classifier for credit scoring analysis. *Applied Soft Computing Journal*, **2012**, 12, 611-618   30

158   The application of immune genetic algorithm in main steam temperature of PID control of BP network. **2012**, 24, 80-86   12

157	Computational intelligence techniques in bioinformatics. **2013**, 47, 37-47	36
156	Peptide Design by Nature-Inspired Algorithms. **2013**, 437-465	2
155	Artificial immune system based methods for spam filtering. **2013**,	
154	. **2013**, 15, 1160-1191	17
153	A novel artificial immune clonal selection classification and rule mining with swarm learning model. **2013**, 25, 75-127	2
152	Massive training in artificial immune recognition algorithm for enhancement of lung CT scans. **2013**,	2
151	Application of immune and genetic algorithms to the identification of a polymer based on its X-ray diffraction curve. **2013**, 46, 1136-1144	24
150	. **2013**,	2
149	Artificial immune system assisted Minimum Variance Distortionless Response beamforming technique for adaptive antenna system. **2013**,	2
148	Improving Thermal Comfort in Residential Buildings Using Artificial Immune System. **2013**,	2
147	. **2013**,	12
146	Integrating Clonal Selection and Deterministic Sampling for Efficient Associative Classification. **2013**, 3236-3243	
145	A Distributed Artificial Immune Network for Optimizing Tracer Kinetic Models with MATLAB Distributed Computing Engine. **2013**, 7, 173-185	1
144	Intelligent diagnosis for aero-engine wear condition based on immune theory. **2014**,	0
143	Fault Diagnosis of Oil-Immersed Transformers Using Self-Organization Antibody Network and Immune Operator. **2014**, 2014, 1-8	3
142	Multilevel Association Rule Mining for Bridge Resource Management Based on Immune Genetic Algorithm. **2014**, 2014, 1-8	1
141	A Structural Damage Classification Algorithm Based on AiNet Immune Aggregation. **2014**, 681, 57-60	
140	A Clonal Selection Algorithm for Classification of Mangroves Remote Sensing Image. **2014**, 7, 395-404	2

139   An AIS based feature selection method for software fault prediction. **2014**,   1

138   Advances in Bio-inspired Computing for Combinatorial Optimization Problems. **2014**,   10

137   An improved artificial immune recognition system with the opposite sign test for feature selection. *Knowledge-Based Systems*, **2014**, 71, 126-145   7.3   21

136   Prediction analysis of effluent removal in a septic sludge treatment plant: a biomimetics engineering approach. **2014**, 16, 2208-14   2

135   Polarimetric synthetic aperture radar image unsupervised classification method based on artificial immune system. **2014**, 8, 083679   2

134   An inventory model for continuously deteriorating agri-fresh produce: an artificial immune system-based solution approach. **2014**, 9, 110   7

133   Performance evaluation of immune-inspired support vector machine. **2014**, 16, 209   3

132   Neuronal feature extraction through autonomous segmentation using density conscious artificial immune algorithm. **2015**,

131   Artificial immune algorithm-based credit evaluation for mobile telephone customers. **2015**, 66, 1533-1541   3

130   Software Engineering in Intelligent Systems. *Advances in Intelligent Systems and Computing*, **2015**,   0.4   1

129   Immune network algorithm applied to the optimization of composite SaaS in cloud computing. **2015**,   1

128   Artificial immune recognition systems in medical diagnosis. **2015**,   3

127   Artificial Immune System Based Web Page Classification. *Advances in Intelligent Systems and Computing*, **2015**, 189-199   0.4   4

126   A lifelong learning hyper-heuristic method for bin packing. **2015**, 23, 37-67   47

125   A hybrid classifier combining Borderline-SMOTE with AIRS algorithm for estimating brain metastasis from lung cancer: a case study in Taiwan. **2015**, 119, 63-76   23

124   Logic in the Theory and Practice of Lawmaking. *Legisprudence Library*, **2015**,   0.4   2

123   CODA Algorithm: An Immune Algorithm for Reinforcement Learning Tasks. **2016**,

122   Conceptual Spaces of the Immune System. **2016**, 7, 551   4

121	A Hybrid Course Recommendation System by Integrating Collaborative Filtering and Artificial Immune Systems. *Algorithms*, **2016**, 9, 47	1.8	33
120	Transform of Artificial Immune System algorithm optimization based on mathematical test function. **2016**,		2
119	Exploiting the Plasticity of Primary and Secondary Response Mechanisms in Artificial Immune Systems. **2016**,		
118	Bio-inspired optimal site selection of LPG stations for gas-driven cars in an urban region. **2016**, 35, 1301-1309		2
117	Biclustering Analysis of Gene Expression Data Using Evolutionary Algorithms. **2016**, 67-95		2
116	Immune Feature Weighted Least-Squares Support Vector Machine for Brain Tumor Detection Using MR Images. **2016**, 62, 873-884		2
115	Mapping Biological Systems to Network Systems. **2016**,		11
114	Modeling and optimization of a wastewater pumping system with data-mining methods. **2016**, 164, 303-311		48
113	Bio-inspired packet dropping for ad-hoc social networks. **2017**, 30, e2857		3
112	An Artificial Immune Ecosystem Model for Hybrid Cloud Supervision. **2017**, 71-84		0
111	First Complex Systems Digital Campus World E-Conference 2015. **2017**,		0
110	A Review on Artificial Bee Colony Algorithms and Their Applications to Data Clustering. **2017**, 17, 3-28		23
109	Design and implementation of monitoring and evaluation of healthcare organization management. **2017**,		
108	Applications of artificial immune systems to computer security: A survey. **2017**, 35, 138-159		25
107	Pain modelling in an artificial immune system based MANET. **2017**,		
106	Recent advances in clonal selection algorithms and applications. **2017**,		3
105	An improved clonal selection algorithm using a tournament selection operator and its application to microstrip coupler design. **2017**, 25, 1751-1761		3
104	Super-Resolution via Particle Swarm Optimization Variants. **2018**, 317-337		10

103	. **2018**,		1
102	Signal Estimation for UAV Control Loop Identification Using Artificial Immune Systems. **2018**,		2
101	Immune Computing. **2018**, 503-518		
100	VALIS: an evolutionary classification algorithm. *Genetic Programming and Evolvable Machines*, **2018**, 19, 453-471	2	2
99	A comprehensive review on parameter estimation techniques for Proton Exchange Membrane fuel cell modelling. *Renewable and Sustainable Energy Reviews*, **2018**, 93, 121-144	16.2	81
98	Three Branches of Negative Representation of Information: A Survey. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2018**, 2, 411-425	4.1	12
97	Artificial Immune Recognition System-Based Classification Technique. *Lecture Notes in Networks and Systems*, **2018**, 629-635	0.5	3
96	Towards the development of robot immune system: A combined approach involving innate immune cells and T-lymphocytes. *BioSystems*, **2018**, 172, 52-67	1.9	5
95	Multi-agent System for Forecasting Based on Modified Algorithms of Swarm Intelligence and Immune Network Modeling. *Smart Innovation, Systems and Technologies*, **2019**, 199-208	0.5	1
94	Foreword: Some advances in Immune Computation and applications. *Swarm and Evolutionary Computation*, **2019**, 50, 100596	9.8	1
93	Applications of Artificial Intelligence in Transport: An Overview. *Sustainability*, **2019**, 11, 189	3.6	130
92	IAPSO-AIRS: A novel improved machine learning-based system for wart disease treatment. *Journal of Medical Systems*, **2019**, 43, 220	5.1	29
91	Socially-aware congestion control in ad-hoc networks: Current status and the way forward. *Future Generation Computer Systems*, **2019**, 97, 634-660	7.5	9
90	Expectation Algorithm (ExA): A Socio-inspired Optimization Methodology. *Studies in Computational Intelligence*, **2019**, 193-214	0.8	2
89	A Linear-in-Parameters Genetic Programming Method for Chemical Kinetics System Identification. **2019**,		
88	MLBC: Multi-objective Load Balancing Clustering technique in Wireless Sensor Networks. *Applied Soft Computing Journal*, **2019**, 74, 66-89	7.5	25
87	Predictions models of Taiwan dollar to US dollar and RMB exchange rate based on modified PSO and GRNN. *Cluster Computing*, **2019**, 22, 10993-11004	2.1	2
86	Meta-heuristic multidisciplinary design optimization of wind turbine blades obtained from circular pipes. *Engineering With Computers*, **2019**, 35, 363-379	4.5	8

85	Local feature selection based on artificial immune system for classification. *Applied Soft Computing Journal*, **2020**, 87, 105989	7.5	18
84	Attack Detection in Cyber-Physical Production Systems using the Deterministic Dendritic Cell Algorithm. **2020**,		2
83	Continual learning classification method with new labeled data based on the artificial immune system. *Applied Soft Computing Journal*, **2020**, 94, 106423	7.5	8
82	Nature-Inspired Methods for Metaheuristics Optimization. *Modeling and Optimization in Science and Technologies*, **2020**,	0.6	7
81	AISAC: An Artificial Immune System for Associative Classification Applied to Breast Cancer Detection. *Applied Sciences (Switzerland)*, **2020**, 10, 515	2.6	8
80	Soft Computing for Problem Solving 2019. *Advances in Intelligent Systems and Computing*, **2020**,	0.4	
79	Network traffic detection based on part matching and section evolution of immune elements. *Journal of Physics: Conference Series*, **2021**, 1774, 012071	0.3	
78	Comparative study on credit card fraud detection based on different support vector machines. *Intelligent Data Analysis*, **2021**, 25, 105-119	1.1	3
77	Comprehensive Analysis of Classification Techniques Based on Artificial Immune System and Artificial Neural Network Algorithms. *Algorithms for Intelligent Systems*, **2021**, 845-853	0.5	
76	Harnessing the power of intersection for pattern recognition: a novel unsupervised learning method and its application to financial engineering. *Engineering Reports*, **2021**, 3, e12329	1.2	
75	Cardiovascular Disease Detection using Artificial Immune System and other Machine Learning Models. *Journal of Physics: Conference Series*, **2021**, 1950, 012032	0.3	
74	Classification techniques based on Artificial immune system algorithms for Heart disease using Principal Component Analysis. *International Journal of Scientific Research in Science, Engineering and Technology*, **2021**, 150-160	0.1	
73	A hybrid real-valued negative selection algorithm with variable-sized detectors and the k-nearest neighbors algorithm. *Knowledge-Based Systems*, **2021**, 232, 107477	7.3	3
72	Encyclopedia of Complexity and Systems Science. **2009**, 2113-2139		3
71	A Resource Limited Artificial Immune System for Data Analysis. **2001**, 19-32		19
70	Bio-inspired Communications in Wireless Sensor Networks. *Computer Communications and Networks*, **2009**, 659-685	0.5	5
69	Application of Artificial Immune System in Optimal Design of Irrigation Canal. *Modeling and Optimization in Science and Technologies*, **2020**, 169-182	0.6	0
68	Organization Style and Its Effect on Employee Satisfaction and Personal Performance. *Springer Proceedings in Business and Economics*, **2017**, 151-158	0.2	1

67	A Paratope Is Not an Epitope: Implications for Immune Network Models and Clonal Selection. *Lecture Notes in Computer Science*, **2003**, 217-228	0.9	10
66	Immune System-based Energy Efficient and Reliable Communication in Wireless Sensor Networks. *Studies in Computational Intelligence*, **2007**, 187-207	0.8	4
65	The SUPRAIC Algorithm: A Suppression Immune Based Mechanism to Find a Representative Training Set in Data Classification Tasks. *Lecture Notes in Computer Science*, **2007**, 59-70	0.9	4
64	A Resource Limited Immune Approach for Evolving Architecture and Weights of Multilayer Neural Network. *Lecture Notes in Computer Science*, **2010**, 328-337	0.9	4
63	Antibodies with Adaptive Radius as Prototypes of High-Dimensional Datasets. *Lecture Notes in Computer Science*, **2010**, 158-170	0.9	2
62	Chaotic Immune PSO Algorithm for Traveling Salesman Problem. *Lecture Notes in Electrical Engineering*, **2012**, 689-695	0.2	1
61	EEG Signals Classification Using a Hybrid Method Based on Negative Selection and Particle Swarm Optimization. *Lecture Notes in Computer Science*, **2012**, 427-438	0.9	7
60	An Improved Self-organization Antibody Network for Pattern Recognition and Its Performance Study. *Communications in Computer and Information Science*, **2012**, 96-103	0.3	4
59	An Overview of Artificial Immune Systems. *Natural Computing Series*, **2004**, 51-91	2.5	50
58	Immune Inspired Fault Diagnosis in Wireless Sensor Network. *Springer Tracts in Nature-inspired Computing*, **2020**, 103-116	1.8	3
57	An Artificial Immune System as a Recommender System for Web Sites. *SSRN Electronic Journal*,	1	16
56	Recent Advances in Artificial Immune Systems. *Advances in Computational Intelligence and Robotics Book Series*, **2017**, 92-114	0.4	2
55	Antigens, Antibodies, and the World Wide Web. *Lecture Notes in Computer Science*, **2001**, 161-165	0.9	
54	Neuron Selection for RBF Neural Network Classifier Based on Multiple Granularities Immune Network. *Lecture Notes in Computer Science*, **2006**, 866-872	0.9	
53	ART-Artificial Immune Network and Application in Fault Diagnosis of the Reciprocating Compressor. *Lecture Notes in Computer Science*, **2006**, 502-505	0.9	
52	SAR Image Classification Based on Clonal Selection Algorithm. *Lecture Notes in Computer Science*, **2006**, 927-934	0.9	
51	An Improved Discrete Immune Network for Multimodal Optimization. *Lecture Notes in Computer Science*, **2006**, 1079-1086	0.9	
50	A Simple Artificial Immune System (SAIS) for Generating Classifier Systems. *Lecture Notes in Computer Science*, **2006**, 151-160	0.9	1

49	Artificial Immunity-Based Discovery for Popular Information in WEB Pages. *Lecture Notes in Computer Science*, **2007**, 166-169	0.9	
48	Hybrid Systems and Artificial Immune Systems: Performances and Applications to Biomedical Research. *Lecture Notes in Computer Science*, **2007**, 1107-1114	0.9	
47	INDIE: An Artificial Immune Network for On-Line Density Estimation. *Lecture Notes in Computer Science*, **2008**, 254-265	0.9	
46	Encyclopedia of Complexity and Systems Science. **2009**, 4776-4788		
45	An Immunity Inspired Real-Time Cooperative Control Framework for Networked Multi-agent Systems. *Lecture Notes in Computer Science*, **2009**, 234-247	0.9	2
44	Self-Organization in an Artificial Immune Network System. *Understanding Complex Systems*, **2009**, 71-82	0.4	
43	Density Preservation and Vector Quantization in Immune-Inspired Algorithms. *Lecture Notes in Computer Science*, **2010**, 33-46	0.9	
42	Artificial Immune Systems. *Decision Engineering*, **2010**, 355-379	0.1	
41	A Modified Artificial Immune Network for Feature Extracting. *Lecture Notes in Computer Science*, **2011**, 408-415	0.9	4
40	A Distributed Surveillance Model for Network Security Inspired by Immunology. *Lecture Notes in Computer Science*, **2011**, 53-60	0.9	
39	Principles and Methods of Artificial Immune System Vaccination of Learning Systems. *Lecture Notes in Computer Science*, **2011**, 268-281	0.9	4
38	An Artificial Immune System Approach to Associative Classification. *Lecture Notes in Computer Science*, **2012**, 161-171	0.9	1
37	Swarm Intelligence Optimization: Applications of Particle Swarms in Industrial Engineering and Nuclear Power Plants. *Atlantis Computational Intelligence Systems*, **2012**, 181-202		2
36	Computational Complexity. **2012**, 1576-1588		
35	AC-CS: An Immune-Inspired Associative Classification Algorithm. *Lecture Notes in Computer Science*, **2012**, 139-151	0.9	
34	A Cooperative Multi-objective Optimization Framework based on Dendritic Cells Migration Dynamics. **2012**, 201-206		
33	A New Approach for Suggesting Takeover Targets Based on Computational Intelligence and Information Retrieval Methods. *Advances in Computational Intelligence and Robotics Book Series*, **2014**, 290-308	0.4	
32	Application of Biologically Inspired Techniques for Industrial and Environmental Research via Air Quality Monitoring Network. *Advances in Data Mining and Database Management Book Series*, **2014**, 272-298	96	

31	Data Integration Technology for Industrial and Environmental Research via Air Quality Monitoring Network. *Advances in Knowledge Acquisition, Transfer and Management Book Series*, **2015**, 158-192	0.3	
30	The Role of Hypermutation and Affinity Maturation in AIS Approaches to Clustering. *Advances in Data Mining and Database Management Book Series*, **2015**, 124-144	0.6	
29	Artificial Immune Optimization Algorithm. *Advances in Data Mining and Database Management Book Series*, **2015**, 104-123	0.6	
28	From Learning Management System to Internet-Based Research in Mathematics Education. *Advances in Mobile and Distance Learning Book Series*, **2015**, 62-85	0.3	
27	Application of Information and Communication Technology to Create E-Learning Environments for Mathematics Knowledge Learning to Prepare for Engineering Education. *Advances in Educational Technologies and Instructional Design Book Series*, **2015**, 438-467	0.3	
26	Application of Artificial Intelligence Techniques to Handle the Uncertainty in the Chemical Process for Environmental Protection. *Advances in Computational Intelligence and Robotics Book Series*, **2015**, 446-477	0.4	1
25	Computer-Aided Legislation Based on Immune-Like Processing of Legal Texts. *Legisprudence Library*, **2015**, 527-553	0.4	0
24	Encyclopedia of Complexity and Systems Science. **2015**, 1-16		
23	A Review of Artificial Immune System Based Security Frameworks for MANET. *International Journal of Communications, Network and System Sciences*, **2016**, 09, 1-18	0.2	1
22	Immunology and Immune System. **2016**, 51-65		0
21	Leadership Capabilities and their Effect on Job Performance, an Approach in Healthcare Sector. *Springer Proceedings in Business and Economics*, **2017**, 365-371	0.2	
20	Autonomous Market Segments Estimation Using Density Conscious Artificial Immune System Learner. *Advances in Business Information Systems and Analytics Book Series*, **2017**, 110-135	0.4	
19	Computer Vision Based Classification on Commercial Videos. *Advances in Computational Intelligence and Robotics Book Series*, **2017**, 105-135	0.4	
18	From Learning Management System to Internet-Based Research in Mathematics Education. **2018**, 746-770		
17	Vibration-Based Fault Detection in a Hydraulic Brake System using Artificial Immune Recognition System with Statistical Features. **2020**,		0
16	Optimum Design of Hybrid EDFA/FRA by Particle Swarm Optimization. 148-168		
15	Overview of Computational Intelligence. *Advances in Environmental Engineering and Green Technologies Book Series*, 18-36	0.4	8
14	Application of Information and Communication Technology to Create E-Learning Environments for Mathematics Knowledge Learning to Prepare for Engineering Education. *Advances in Educational Technologies and Instructional Design Book Series*, 345-373	0.3	1

13	From Learning Management System to Internet-Based Research in Mathematics Education. 1500-1523		
12	Application of Artificial Intelligence Techniques to Handle the Uncertainty in the Chemical Process for Environmental Protection. 1229-1260		
11	Application of Biologically Inspired Techniques for Industrial and Environmental Research via Air Quality Monitoring Network. 1261-1288		
10	An Artificial Immune System Based Multi-Agent Robotic Cooperation. **2008**, 60-67		1
9	New Models for Immune Mechanism Diagnosis. *Lecture Notes in Computer Science*, **2008**, 1-11	0.9	1
8	Symbiotic Evolution to Avoid Linkage Problem. *Studies in Computational Intelligence*, **2008**, 285-314	0.8	1
7	Artificial Immune Systems and Kernel Methods. *Lecture Notes in Computer Science*, **2008**, 303-315	0.9	2
6	. *IEEE Access*, **2021**, 9, 167477-167488	3.5	
5	Towards Bio-Inspired Anomaly Detection Using the Cursory Dendritic Cell Algorithm. *Algorithms*, **2022**, 15, 1	1.8	2
4	Application of Artificial Immune Systems in Advanced Manufacturing. **2022**, 15, 100238		1
3	IM-NKA: A Natural Killer cell Algorithm for earthquake prediction based on extremely imbalanced precursor data. **2022**, 109629		0
2	A Review on Immune-Inspired Node Fault Detection in Wireless Sensor Networks with a Focus on the Danger Theory. **2023**, 23, 1166		1
1	Cells as the first data scientists. **2023**, 20,		0