

Alejandro Pazos Sierra

List of Publications by Year in Descending Order

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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.

190
papers

2,785
citations

24
h-index

47
g-index

225
ext. papers

3,372
ext. citations

3.1
avg, IF

5.12
L-index

#	Paper	IF	Citations
190	Bioinformatic tools for research in CRC 2022 , 231-247		
189	DoME: A deterministic technique for equation development and Symbolic Regression. <i>Expert Systems With Applications</i> , 2022 , 198, 116712	7.8	1
188	Machine learning in management of precautionary closures caused by lipophilic biotoxins. <i>Computers and Electronics in Agriculture</i> , 2022 , 197, 106956	6.5	1
187	Detection of Bovine Mastitis in Raw Milk, Using a Low-Cost NIR Spectrometer and k-NN Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10751	2.6	
186	Using Reinforcement Learning in the Path Planning of Swarms of UAVs for the Photographic Capture of Terrains. <i>Engineering Proceedings</i> , 2021 , 7, 32	0.5	0
185	Applying Artificial Intelligence for Operating System Fingerprinting. <i>Engineering Proceedings</i> , 2021 , 7, 51	0.5	
184	Applicability of Clinical Decision Support in Management among Patients Undergoing Cardiac Surgery in Intensive Care Unit: A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2880	2.6	1
183	Development of an Automatic Low-Cost Air Quality Control System: A Radon Application. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2169	2.6	4
182	A Recommender System to Help Refining Clinical Research Studies. <i>Studies in Health Technology and Informatics</i> , 2021 , 281, 327-331	0.5	0
181	Wearable Postural Control System for Low Back Pain Therapy. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	3
180	A review on machine learning approaches and trends in drug discovery. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 4538-4558	6.8	19
179	First Multiplatform Application for Pharmacies in Spain, Which Guides the Prescription of Probiotics According to Pathology. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1572	2.6	
178	Using Machine Learning to Collect and Facilitate Remote Access to Biomedical Databases: Development of the Biomedical Database Inventory. <i>JMIR Medical Informatics</i> , 2021 , 9, e22976	3.6	
177	Machine learning analysis of TCGA cancer data. <i>PeerJ Computer Science</i> , 2021 , 7, e584	2.7	1
176	Leveraging Clinical Notes for Enhancing Decision-Making Systems with Relevant Patient Information. <i>Communications in Computer and Information Science</i> , 2021 , 521-540	0.3	
175	Perturbation-Theory Machine Learning (PTML) Multilabel Model of the ChEMBL Dataset of Preclinical Assays for Antisarcoma Compounds. <i>ACS Omega</i> , 2020 , 5, 27211-27220	3.9	
174	Classical Music Prediction and Composition by Means of Variational Autoencoders. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3053	2.6	1

173	EEG signal processing with separable convolutional neural network for automatic scoring of sleeping stage. <i>Neurocomputing</i> , 2020 , 410, 220-228	5.4	7
172	OncoOmics approaches to reveal essential genes in breast cancer: a panoramic view from pathogenesis to precision medicine. <i>Scientific Reports</i> , 2020 , 10, 5285	4.9	17
171	Molecular docking and machine learning analysis of Abemaciclib in colon cancer. <i>BMC Molecular and Cell Biology</i> , 2020 , 21, 52	2.7	7
170	Gene Prioritization through Consensus Strategy, Enrichment Methodologies Analysis, and Networking for Osteosarcoma Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
169	Net-Net AutoML Selection of Artificial Neural Network Topology for Brain Connectome Prediction. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1308	2.6	0
168	Identification of predictive factors of the degree of adherence to the Mediterranean diet through machine-learning techniques. <i>PeerJ Computer Science</i> , 2020 , 6, e287	2.7	2
167	PRACTICUM DIRECT Simulator for Decision Making during Pandemics. <i>Engineering Proceedings</i> , 2020 , 2, 7048	0.5	
166	Prediction of breast cancer proteins involved in immunotherapy, metastasis, and RNA-binding using molecular descriptors and artificial neural networks. <i>Scientific Reports</i> , 2020 , 10, 8515	4.9	12
165	Discovery of novel immunopharmacological ligands targeting the IL-17 inflammatory pathway. <i>International Immunopharmacology</i> , 2020 , 89, 107026	5.8	1
164	A Multi-Objective Approach for Anti-Osteosarcoma Cancer Agents Discovery through Drug Repurposing. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	4
163	Fringe Pattern Denoising using U-Net based neural network. <i>EPJ Web of Conferences</i> , 2020 , 238, 06009	0.3	
162	Probiotic: First Prescriptive Application of Probiotics in Spain. <i>Proceedings (mdpi)</i> , 2020 , 54, 34	0.3	
161	A Recommender System to Help Discovering Cohorts in Rare Diseases 2020 ,		1
160	Population subset selection for the use of a validation dataset for overfitting control in genetic programming. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2020 , 32, 243-271	2	3
159	Convolutional neural networks for sleep stage scoring on a two-channel EEG signal. <i>Soft Computing</i> , 2020 , 24, 4067-4079	3.5	11
158	Automatic assessment of Alzheimer's disease diagnosis based on deep learning techniques. <i>Computers in Biology and Medicine</i> , 2020 , 120, 103764	7	20
157	A Recommender System Based on Cohorts' Similarity. <i>Studies in Health Technology and Informatics</i> , 2020 , 270, 1183-1184	0.5	1
156	Improvement of Epitope Prediction Using Peptide Sequence Descriptors and Machine Learning. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3

155 Translational Bioinformatics: Informatics, Medicine, and -Omics **2019**, 507-514

154 Use of Multiple Astrocytic Configurations within an Artificial Neuro-Astrocytic Network. *Proceedings (mdpi)*, **2019**, 21, 46 0.3

153 Machine Learning in Biomedical Informatics **2019**, 389-399

152 Determination of egg storage time at room temperature using a low-cost NIR spectrometer and machine learning techniques. *Computers and Electronics in Agriculture*, **2018**, 145, 1-10 6.5 32

151 Automatic multiscale vascular image segmentation algorithm for coronary angiography. *Biomedical Signal Processing and Control*, **2018**, 46, 1-9 4.9 3

150 Net-Net Auto Machine Learning (AutoML) Prediction of Complex Ecosystems. *Scientific Reports*, **2018**, 8, 12340 4.9 7

149 Actualizaci3n en el abordaje ortoprot3sico en las Enfermedades de Charcot-Marie-Tooth. *European Journal of Podiatry / Revista Europea De Podolog3a*, **2018**, 4, 17-25 0

148 Determining the burden of the family caregivers of people with neuromuscular diseases who use a wheelchair. *Medicine (United States)*, **2018**, 97, e11039 1.8 9

147 A generalized linear model for cardiovascular complications prediction in PD patients **2018**, 1

146 Gene prioritization, communality analysis, networking and metabolic integrated pathway to better understand breast cancer pathogenesis. *Scientific Reports*, **2018**, 8, 16679 4.9 19

145 Modeling of Energy Efficiency for Residential Buildings Using Artificial Neuronal Networks. *Advances in Civil Engineering*, **2018**, 2018, 1-10 1.3 3

144 Prediction of high anti-angiogenic activity peptides in silico using a generalized linear model and feature selection. *Scientific Reports*, **2018**, 8, 15688 4.9 25

143 Perturbation Theory/Machine Learning Model of ChEMBL Data for Dopamine Targets: Docking, Synthesis, and Assay of New l-Prolyl-l-leucyl-glycinamide Peptidomimetics. *ACS Chemical Neuroscience*, **2018**, 9, 2572-2587 5.7 31

142 Technologies for participatory medicine and health promotion in the elderly population. *Medicine (United States)*, **2018**, 97, e10791 1.8 9

141 Evaluaci3n autom3tica de la adherencia a las recomendaciones de manejo en falla cardiaca a partir de las historias cl3nicas electr3nicas: herramienta EXEMED. *Revista Colombiana De Cardiologia*, **2018**, 25, 321-326 0.1

140 A semantic interoperability approach to support integration of gene expression and clinical data in breast cancer. *Computers in Biology and Medicine*, **2017**, 87, 179-186 7 10

139 Automated early detection of drops in commercial egg production using neural networks. *British Poultry Science*, **2017**, 58, 739-747 1.9 6

138 Decrypting Strong and Weak Single-Walled Carbon Nanotubes Interactions with Mitochondrial Voltage-Dependent Anion Channels Using Molecular Docking and Perturbation Theory. *Scientific Reports*, **2017**, 7, 13271 4.9 15

137	NCBO Ontology Recommender 2.0: an enhanced approach for biomedical ontology recommendation. <i>Journal of Biomedical Semantics</i> , 2017 , 8, 21	2.2	33
136	Experimental study and Random Forest prediction model of microbiome cell surface hydrophobicity. <i>Expert Systems With Applications</i> , 2017 , 72, 306-316	7.8	17
135	Carbon Nanotubes' Effect on Mitochondrial Oxygen Flux Dynamics: Polarography Experimental Study and Machine Learning Models using Star Graph Trace Invariants of Raman Spectra. <i>Nanomaterials</i> , 2017 , 7,	5.4	10
134	Experimental Study and ANN Dual-Time Scale Perturbation Model of Electrokinetic Properties of Microbiota. <i>Frontiers in Microbiology</i> , 2017 , 8, 1216	5.7	1
133	Parallel Computing for Brain Simulation. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1646-1668	3	2
132	Experimental and chemometric studies of cell membrane permeability. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016 , 154, 1-6	3.8	6
131	Early warning in egg production curves from commercial hens: A SVM approach. <i>Computers and Electronics in Agriculture</i> , 2016 , 121, 169-179	6.5	24
130	Microemulsions for Colorectal Cancer Treatments. General Considerations and Formulation of Methotrexate. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016 , 16, 498-508	3.2	7
129	Assistive Technologies and Computers. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2016 , 444-464.	4.2	
128	Deep Artificial Neural Networks and Neuromorphic Chips for Big Data Analysis: Pharmaceutical and Bioinformatics Applications. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	50
127	A methodology for the design of experiments in computational intelligence with multiple regression models. <i>PeerJ</i> , 2016 , 4, e2721	3.1	20
126	Texture analysis in gel electrophoresis images using an integrative kernel-based approach. <i>Scientific Reports</i> , 2016 , 6, 19256	4.9	15
125	Effect of diagnostic delay on survival in patients with colorectal cancer: a retrospective cohort study. <i>BMC Cancer</i> , 2016 , 16, 664	4.8	34
124	Using genetic algorithms to improve support vector regression in the analysis of atomic spectra of lubricant oils. <i>Engineering Computations</i> , 2016 , 33, 995-1005	1.4	3
123	Optimization of NIR calibration models for multiple processes in the sugar industry. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016 , 159, 45-57	3.8	21
122	Mapping chemical structure-activity information of HAART-drug cocktails over complex networks of AIDS epidemiology and socioeconomic data of U.S. counties. <i>BioSystems</i> , 2015 , 132-133, 20-34	1.9	14
121	Experimental and computational studies of fatty acid distribution networks. <i>Molecular BioSystems</i> , 2015 , 11, 2964-77		5
120	Artificial neuron-glia networks learning approach based on cooperative coevolution. <i>International Journal of Neural Systems</i> , 2015 , 25, 1550012	6.2	23

119	Classification of mild cognitive impairment and Alzheimer's Disease with machine-learning techniques using 1H Magnetic Resonance Spectroscopy data. <i>Expert Systems With Applications</i> , 2015 , 42, 6205-6214	7.8	24
118	Classification of Two-channel Signals by Means of Genetic Programming 2015 ,		1
117	Exploring the Psychosocial Impact of Wheelchair and Contextual Factors on Quality of Life of People with Neuromuscular Disorders. <i>Assistive Technology</i> , 2015 , 27, 246-56	1.5	14
116	Prediction of Nucleotide Binding Peptides Using Star Graph Topological Indices. <i>Molecular Informatics</i> , 2015 , 34, 736-41	3.8	4
115	Bio-AIMS Collection of Chemoinformatics Web Tools based on Molecular Graph Information and Artificial Intelligence Models. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2015 , 18, 735-50	1.3	3
114	MI-NODES Multiscale Models of Metabolic Reactions, Brain Connectome, Ecological, Epidemic, World Trade, and Legal-Social Networks. <i>Current Bioinformatics</i> , 2015 , 10, 692-713	4.7	2
113	Markov mean properties for cell death-related protein classification. <i>Journal of Theoretical Biology</i> , 2014 , 349, 12-21	2.3	9
112	Modeling complex metabolic reactions, ecological systems, and financial and legal networks with MIANN models based on Markov-Wiener node descriptors. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 16-29	6.1	19
111	Breast density classification to reduce false positives in CADe systems. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 113, 569-84	6.9	26
110	Mapping networks of anti-HIV drug cocktails vs. AIDS epidemiology in the US counties. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014 , 138, 161-170	3.8	7
109	ANN multiscale model of anti-HIV drugs activity vs AIDS prevalence in the US at county level based on information indices of molecular graphs and social networks. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 744-55	6.1	42
108	Assessing mouse alternatives to access to computer: a case study of a user with cerebral palsy. <i>Assistive Technology</i> , 2014 , 26, 33-44	1.5	7
107	LECTINPred: web Server that Uses Complex Networks of Protein Structure for Prediction of Lectins with Potential Use as Cancer Biomarkers or in Parasite Vaccine Design. <i>Molecular Informatics</i> , 2014 , 33, 276-85	3.8	6
106	BiOSS: A system for biomedical ontology selection. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 114, 125-40	6.9	12
105	High Order Texture-Based Analysis in Biomedical Images. <i>Current Medical Imaging</i> , 2014 , 9, 309-317	1.2	2
104	Diagnostic and treatment delay, quality of life and satisfaction with care in colorectal cancer patients: a study protocol. <i>Health and Quality of Life Outcomes</i> , 2013 , 11, 117	3	17
103	The R��ker-Markov invariants of complex Bio-Systems: applications in Parasitology and Neuroinformatics. <i>BioSystems</i> , 2013 , 111, 199-207	1.9	7
102	Biomedical Data Integration in Computational Drug Design and Bioinformatics. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 108-117	1.4	7

101	Biomedical Data Integration in Computational Drug Design and Bioinformatics. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 108-117	1.4	1
100	Developing a system for advanced monitoring and intelligent drug administration in critical care units using ontologies. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , 2013 , 17, 45-53	0.5	1
99	The iOSC3 system: using ontologies and SWRL rules for intelligent supervision and care of patients with acute cardiac disorders. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 650671	2.8	13
98	Hybrid model based on Genetic Algorithms and SVM applied to variable selection within fruit juice classification. <i>Scientific World Journal, The</i> , 2013 , 2013, 982438	2.2	10
97	S2SNet: A Tool for Transforming Characters and Numeric Sequences into Star Network Topological Indices in Chemoinformatics, Bioinformatics, Biomedical, and Social-Legal Sciences. <i>Current Bioinformatics</i> , 2013 , 8, 429-437	4.7	13
96	MIANN models in medicinal, physical and organic chemistry. <i>Current Topics in Medicinal Chemistry</i> , 2013 , 13, 619-41	3	21
95	Automatic Fish Segmentation on Vertical Slot Fishways Using SOM Neural Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 445-452	0.9	
94	Database Analysis with ANNs by means of Graph Evolution 2013 , 704-718		
93	Ethical and legal issues in the clinical practice of primary health care. <i>Frontiers in Bioscience - Elite</i> , 2013 , 5, 435-45	1.6	
92	Biomedical data integration in computational drug design and bioinformatics. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 108-17	1.4	4
91	Anonymizing patient genomic data for public sharing association studies. <i>Studies in Health Technology and Informatics</i> , 2013 , 192, 979	0.5	
90	Framework of fully integrated hybrid systems. <i>Neural Computing and Applications</i> , 2012 , 21, 45-53	4.8	
89	LIBP-Pred: web server for lipid binding proteins using structural network parameters; PDB mining of human cancer biomarkers and drug targets in parasites and bacteria. <i>Molecular BioSystems</i> , 2012 , 8, 851-62		13
88	Automatic seizure detection based on star graph topological indices. <i>Journal of Neuroscience Methods</i> , 2012 , 209, 410-9	3	10
87	Data Integration in Genomic Medicine: Trends and Applications. <i>Yearbook of Medical Informatics</i> , 2012 , 21, 117-125	4	1
86	Nanoinformatics: developing new computing applications for nanomedicine. <i>Computing (Vienna/New York)</i> , 2012 , 94, 521-539	2.2	12
85	Computational models of neuron-astrocyte interactions lead to improved efficacy in the performance of neural networks. <i>Computational and Mathematical Methods in Medicine</i> , 2012 , 2012, 476324	2.8	22
84	A Multi-criteria Approach for Automatic Ontology Recommendation Using Collective Knowledge. <i>Intelligent Systems Reference Library</i> , 2012 , 89-103	0.8	5

83	The Use of Computers and Augmentative and Alternative Communication Devices by Children and Young With Cerebral Palsy. <i>Assistive Technology</i> , 2011 , 23, 135-149	1.5	11
82	A Tree Classifier for Automatic Breast Tissue Classification Based on BIRADS Categories. <i>Lecture Notes in Computer Science</i> , 2011 , 580-587	0.9	2
81	Prediction of item psychometric indices from item characteristics automatically extracted from the stem and option text. <i>International Journal of Continuing Engineering Education and Life-Long Learning</i> , 2011 , 21, 210	0.8	1
80	MISS-Prot: web server for self/non-self discrimination of protein residue networks in parasites; theory and experiments in <i>Fasciola</i> peptides and <i>Anisakis</i> allergens. <i>Molecular BioSystems</i> , 2011 , 7, 1938-55		11
79	Automatic feature extraction using genetic programming: An application to epileptic EEG classification. <i>Expert Systems With Applications</i> , 2011 , 38, 10425-10436	7.8	183
78	A new signal classification technique by means of Genetic Algorithms and kNN 2011 ,		8
77	Using recurrent ANNs for the detection of epileptic seizures in EEG signals 2011 ,		5
76	MIND-BEST: Web server for drugs and target discovery; design, synthesis, and assay of MAO-B inhibitors and theoretical-experimental study of G3PDH protein from <i>Trichomonas gallinae</i> . <i>Journal of Proteome Research</i> , 2011 , 10, 1698-718	5.6	60
75	Amino acid pair- and triplet-wise groupings in the interior of helical segments in proteins. <i>Journal of Theoretical Biology</i> , 2011 , 271, 136-44	2.3	6
74	Artificial astrocytes improve neural network performance. <i>PLoS ONE</i> , 2011 , 6, e19109	3.7	51
73	SNP-Schizo: A Web Tool for Schizophrenia SNP Sequence Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 252-259	0.9	
72	Markov Entropy Centrality: Chemical, Biological, Crime, and Legislative Networks 2011 , 199-258		3
71	Blue rubber bleb nevus diagnosed by wireless capsule endoscopy. <i>Journal of Paediatrics and Child Health</i> , 2010 , 46, 68-9	1.3	5
70	Machine learning techniques for single nucleotide polymorphism--disease classification models in schizophrenia. <i>Molecules</i> , 2010 , 15, 4875-89	4.8	11
69	Efficiency in the transmission of information through digital imaging and communications in medicine using security mechanisms: tests with DISCUS. <i>Telemedicine Journal and E-Health</i> , 2010 , 16, 620-6	5.9	
68	Drug discovery and design for complex diseases through QSAR computational methods. <i>Current Pharmaceutical Design</i> , 2010 , 16, 2640-55	3.3	37
67	Trypano-PPI: a web server for prediction of unique targets in trypanosome proteome by using electrostatic parameters of protein-protein interactions. <i>Journal of Proteome Research</i> , 2010 , 9, 1182-90	5.6	44
66	Artificial intelligence techniques for colorectal cancer drug metabolism: ontology and complex network. <i>Current Drug Metabolism</i> , 2010 , 11, 347-68	3.5	42

65	Retrieval and management of medical information from heterogeneous sources, for its integration in a medical record visualisation tool. <i>International Journal of Electronic Healthcare</i> , 2010 , 5, 371-85	0	3
64	Generation and simplification of Artificial Neural Networks by means of Genetic Programming. <i>Neurocomputing</i> , 2010 , 73, 3200-3223	5.4	23
63	Diagnosis delay and follow-up strategies in colorectal cancer. Prognosis implications: a study protocol. <i>BMC Cancer</i> , 2010 , 10, 528	4.8	3
62	Plasmod-PPI: A web-server predicting complex biopolymer targets in plasmodium with entropy measures of protein-protein interactions. <i>Polymer</i> , 2010 , 51, 264-273	3.9	18
61	Automatic epileptic seizure detection in EEGs based on line length feature and artificial neural networks. <i>Journal of Neuroscience Methods</i> , 2010 , 191, 101-9	3	279
60	Epileptic seizure detection using multiwavelet transform based approximate entropy and artificial neural networks. <i>Journal of Neuroscience Methods</i> , 2010 , 193, 156-63	3	303
59	Improving Ontology Alignment through Genetic Algorithms 2010 , 240-259		20
58	An Approach for the Automatic Recommendation of Ontologies Using Collaborative Knowledge. <i>Lecture Notes in Computer Science</i> , 2010 , 74-81	0.9	6
57	Protein Graphs in Cancer Prediction 2010 , 125-140		
56	NEURONSESSIONS: a Web-based collaborative tool to create brain computational models. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 680, 635-42	3.6	
55	Star Graphs of Protein Sequences and Proteome Mass Spectra in Cancer Prediction. <i>Current Proteomics</i> , 2009 , 6, 275-288	0.7	15
54	Modifying genetic programming for artificial neural network development for data mining. <i>Soft Computing</i> , 2009 , 13, 291-305	3.5	16
53	3D entropy and moments prediction of enzyme classes and experimental-theoretic study of peptide fingerprints in Leishmania parasites. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 1784-94	4	37
52	Complex network spectral moments for ATCUN motif DNA cleavage: first predictive study on proteins of human pathogen parasites. <i>Journal of Proteome Research</i> , 2009 , 8, 5219-28	5.6	36
51	Classification of EEG signals using relative wavelet energy and artificial neural networks 2009 ,		90
50	Evolving simple feed-forward and recurrent ANNs for signal classification: A comparison 2009 ,		1
49	Advancing Artificial Intelligence through Biological Process Applications 2009 ,		4
48	A Genetic Algorithm for ANN Design, Training and Simplification. <i>Lecture Notes in Computer Science</i> , 2009 , 391-398	0.9	9

47	Recent Methodology in Connectionist Systems 2009 , 94-106		
46	Neuroglial Behaviour in Computer Science 2008 , 1919-1935		
45	Knowledge Management as the Future of E-Learning 2008 , 3336-3342		
44	Annotation of Colorectal Cancer Data Using the UMLS Metathesaurus. <i>Lecture Notes in Computer Science</i> , 2008 , 58-65	0.9	1
43	On the development of evolutionary artificial artists. <i>Computers and Graphics</i> , 2007 , 31, 818-826	1.8	10
42	A new hybrid evolutionary mechanism based on unsupervised learning for Connectionist Systems. <i>Neurocomputing</i> , 2007 , 70, 2799-2808	5.4	9
41	Development and implementation of a secure, integrated management system for medical images and electronic clinical records for small hospitals. <i>Telemedicine Journal and E-Health</i> , 2007 , 13, 303-12	5.9	2
40	Study of classical conditioning in Aplysia through the implementation of computational models of its learning circuit. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2007 , 19, 119-158	2	
39	Development of an Information System for Multicenter Epidemiologic Studies on Cancer 2007 ,		1
38	Automatic Design of ANNs by Means of GP for Data Mining Tasks: Iris Flower Classification Problem. <i>Lecture Notes in Computer Science</i> , 2007 , 276-285	0.9	4
37	PACS. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2006 , 1, 87-105	3.9	4
36	Artificial Neural Networks in Real-Life Applications 2006 ,		41
35	Neuroglial Behaviour in Computer Science 2006 , 1-21		
34	SELECTION OF VARIABLES BY GENETIC ALGORITHMS TO CLASSIFY APPLE BEVERAGES BY ARTIFICIAL NEURAL NETWORKS. <i>Applied Artificial Intelligence</i> , 2005 , 19, 181-198	2.3	10
33	Time Series Forecast with Anticipation Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2005 , 968-975	0.9	6
32	Artificial Neural Networks Based on Brain Circuits Behaviour and Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2005 , 99-106	0.9	2
31	A new approach to the extraction of ANN rules and to their generalization capacity through GP. <i>Neural Computation</i> , 2004 , 16, 1483-523	2.9	26
30	Classification of apple beverages using artificial neural networks with previous variable selection. <i>Analytica Chimica Acta</i> , 2004 , 524, 225-234	6.6	43

29	Knowledge Management and Interactive Learning. <i>Lecture Notes in Computer Science</i> , 2004 , 481-482	0.9	
28	Extracting Knowledge from Databases and ANNs with Genetic Programming 2004 , 137-153		1
27	Using Genetic Programming for Character Discrimination in Damaged Documents. <i>Lecture Notes in Computer Science</i> , 2004 , 349-358	0.9	4
26	An Application Framework for Building Evolutionary Computer Systems in Music. <i>Leonardo</i> , 2003 , 36, 61-64	0.1	2
25	Prediction and modeling of the rainfall-runoff transformation of a typical urban basin using ann and gp. <i>Applied Artificial Intelligence</i> , 2003 , 17, 329-343	2.3	54
24	Restoration of Old Documents with Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2003 , 432-443	0.9	1
23	Rules and Generalization Capacity Extraction from ANN with GP. <i>Lecture Notes in Computer Science</i> , 2003 , 606-613	0.9	2
22	Necessary security mechanisms in a PACS DICOM access system with web technology. <i>Journal of Digital Imaging</i> , 2002 , 15 Suppl 1, 107-11	5.3	6
21	Artificial Neural Networks Manipulation Server: Research on the Integration of Databases and Artificial Neural Networks. <i>Neural Computing and Applications</i> , 2002 , 11, 3-16	4.8	3
20	Construction of a system for the access, storage and exploitation of data and medical images generated in radiology information systems (RIS). <i>Informatics for Health and Social Care</i> , 2002 , 27, 203-18		6
19	Avoiding interference in planar arrays through the use of artificial neural networks. <i>IEEE Antennas and Propagation Magazine</i> , 2002 , 44, 61-65	1.7	11
18	Automatic Recurrent and Feed-Forward ANN Rule and Expression Extraction with Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2002 , 485-494	0.9	1
17	Analysis of Medical Diagnostic Images via the Implementation and Access to a Safe DICOMPACS with a Web Interface: Analysis of Contrast-enhanced CT Imaging of Oral and Oropharyngeal Carcinomas. <i>Lecture Notes in Computer Science</i> , 2001 , 213-218	0.9	
16	Hybrid Two-Population Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2001 , 464-470	0.9	2
15	Building a chemical ontology using Methontology and the Ontology Design Environment. <i>IEEE Intelligent Systems</i> , 1999 , 14, 37-46		230
14	The Evaluations of Environmental Impact: Cooperative Systems 1994 , 288-291		
13	MESTRIMAN: An expert system for medical triage and clinical management of patients in catastrophes. <i>Expert Systems With Applications</i> , 1993 , 6, 449-457	7.8	1
12	PATRICIA: An expert system that incorporates a patient-oriented approach for the management of ICU patients 1992 ,		2

11	A connectionist approach to predict antenatal outcome 1992,		2
10	Development of a system for access to and exploitation of medical images		1
9	Design and implementation of a DICOM PACS with secure access via Internet		1
8	Genetic music compositor		8
7			3
6	Database Analysis with ANNs by means of Graph Evolution79-93		1
5	A review of artificial intelligence applied to path planning in UAV swarms. <i>Neural Computing and Applications</i> ,1	4.8	7
4	OncoOmics approaches to reveal essential genes in breast cancer: a panoramic view from pathogenesis to precision medicine		2
3	Prediction of druggable proteins using machine learning and functional enrichment analysis: a focus on cancer-related proteins and RNA-binding proteins		4
2	Prediction of breast cancer proteins using molecular descriptors and artificial neural networks: a focus on cancer immunotherapy proteins, metastasis driver proteins, and RNA-binding proteins		2
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