Vincenzo Piuri

List of Publications by Year
in descending order

236 papers	4,303 citations	201674 27 h-index	206112 48 g-index
265 all docs	265 docs citations	265 times ranked	2900 citing authors

#	Article	IF	Citations
1	Error analysis and detection procedures for a hardware implementation of the advanced encryption standard. IEEE Transactions on Computers, 2003, 52, 492-505.	3.4	249
2	All-IDB: The acute lymphoblastic leukemia image database for image processing. , 2011, , .		244
3	Deep-ECG: Convolutional Neural Networks for ECG biometric recognition. Pattern Recognition Letters, 2019, 126, 78-85.	4.2	198
4	PalmNet: Gabor-PCA Convolutional Networks for Touchless Palmprint Recognition. IEEE Transactions on Information Forensics and Security, 2019, 14, 3160-3174.	6.9	141
5	Fault Tolerance Management in Cloud Computing: A System-Level Perspective. IEEE Systems Journal, 2013, 7, 288-297.	4.6	136
6	A Web-based distributed virtual educational laboratory. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 349-356.	4.7	135
7	Privacy-preserving fingercode authentication. , 2010, , .		125
8	Composite real-time image processing for railways track profile measurement. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 559-564.	4.7	103
9	Industry 4.0 Implementation Challenges and Opportunities: A Managerial Perspective. IEEE Systems Journal, 2021, 15, 546-559.	4.6	96
10	Morphological classification of blood leucocytes by microscope images. , 0, , .		89
11	Hybrid CORDIC algorithms. IEEE Transactions on Computers, 1997, 46, 1202-1207.	3.4	82
12	Artificial Intelligence-Based Sensors for Next Generation IoT Applications: A Review. IEEE Sensors Journal, 2021, 21, 24920-24932.	4.7	75
13	A simulation tool for virtual laboratory experiments in a WWW environment. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 741-746.	4.7	67
14	A privacy-compliant fingerprint recognition system based on homomorphic encryption and Fingercode templates. , 2010, , .		62
15	Biometric Recognition in Automated Border Control. ACM Computing Surveys, 2017, 49, 1-39.	23.0	62
16	A novel pore extraction method for heterogeneous fingerprint images using Convolutional Neural Networks. Pattern Recognition Letters, 2018, 113, 58-66.	4.2	62
17	Supporting Security Requirements for Resource Management in Cloud Computing. , 2012, , .		61
18	Toward Unconstrained Fingerprint Recognition: A Fully Touchless 3-D System Based on Two Views on the Move. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 202-219.	9.3	59

#	Article	IF	Citations
19	Programmable instruments, virtual instruments, and distributed measurement systems: what is really useful, innovative and technically sound?. IEEE Instrumentation and Measurement Magazine, 1999, 2, 20-27.	1.6	58
20	A Hierarchical RBF Online Learning Algorithm for Real-Time 3-D Scanner. IEEE Transactions on Neural Networks, 2010, 21, 275-285.	4.2	53
21	Analysis of Fault Tolerance in Artificial Neural Networks. Journal of Parallel and Distributed Computing, 2001, 61, 18-48.	4.1	51
22	Fuzzy Clustering With Partial Supervision in Organization and Classification of Digital Images. IEEE Transactions on Fuzzy Systems, 2008, 16, 1008-1026.	9.8	51
23	Design of an Automatic Wood Types Classification System by Using Fluorescence Spectra. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 358-366.	2.9	47
24	Experimental neural networks for prediction and identification. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 670-676.	4.7	46
25	Privacy-Aware Biometrics: Design and Implementation of a Multimodal Verification System. , 2008, , .		45
26	Models for solar radiation prediction based on different measurement sites. Measurement: Journal of the International Measurement Confederation, 2015, 63, 346-363.	5.0	45
27	Wildfire Smoke Detection Using Computational Intelligence Techniques Enhanced With Synthetic Smoke Plume Generation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 1003-1012.	9.3	42
28	Quality Assessment of Biometric Systems: A Comprehensive Perspective Based on Accuracy and Performance Measurement. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1489-1496.	4.7	41
29	Fingerprint Biometrics via Low-cost Sensors and Webcams. , 2008, , .		39
30	Automatic Multiscale Meshing Through HRBF Networks. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1463-1470.	4.7	37
31	Hierarchical Approach for Multiscale Support Vector Regression. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1448-1460.	11.3	36
32	Pipelined adders. IEEE Transactions on Computers, 1996, 45, 348-356.	3.4	35
33	Contactless fingerprint recognition: A neural approach for perspective and rotation effects reduction. , 2013, , .		34
34	A serial-parallel architecture for two-dimensional discrete cosine and inverse discrete cosine transforms. IEEE Transactions on Computers, 2000, 49, 1297-1309.	3.4	33
35	Wildfire smoke detection using computational intelligence techniques. , 2011, , .		33
36	Acute Lymphoblastic Leukemia Detection Based on Adaptive Unsharpening and Deep Learning. , 2021, , .		32

#	Article	IF	Citations
37	Industry 4.0 Implementation Challenges and Opportunities: A Technological Perspective. IEEE Systems Journal, 2022, 16, 2797-2810.	4.6	31
38	Agent-based image iris segmentation and multiple views boundary refining. , 2009, , .		27
39	Age estimation based on face images and pre-trained convolutional neural networks. , 2017, , .		27
40	A Survey of Unsupervised Generative Models for Exploratory Data Analysis and Representation Learning. ACM Computing Surveys, 2022, 54, 1-40.	23.0	26
41	A Multi-biometric Verification System for the Privacy Protection of Iris Templates. Advances in Soft Computing, 2009, , 227-234.	0.4	26
42	Adaptive Reflection Detection and Location in Iris Biometric Images by Using Computational Intelligence Techniques. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1825-1833.	4.7	25
43	Finger Vein Verification Algorithm Based on Fully Convolutional Neural Network and Conditional Random Field. IEEE Access, 2020, 8, 65402-65419.	4.2	25
44	High performance fault-tolerant digital neural networks. IEEE Transactions on Computers, 1998, 47, 357-363.	3.4	24
45	TAI-SARNET: Deep Transferred Atrous-Inception CNN for Small Samples SAR ATR. Sensors, 2020, 20, 1724.	3.8	23
46	A parallel implementation of the 2-D discrete wavelet transform without interprocessor communications. IEEE Transactions on Signal Processing, 1999, 47, 3179-3184.	5.3	21
47	Semiconcurrent error detection in data paths. IEEE Transactions on Computers, 2001, 50, 449-465.	3.4	21
48	Reducing and Filtering Point Clouds With Enhanced Vector Quantization. IEEE Transactions on Neural Networks, 2007, 18, 161-177.	4.2	21
49	Intelligent Decision Support System for Industrial Site Classification: A GIS-Based Hierarchical Neuro-Fuzzy Approach. IEEE Systems Journal, 2018, 12, 2970-2981.	4.6	21
50	A Decision Support System for Wind Power Production. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 290-304.	9.3	21
51	2M BeautyNet: Facial Beauty Prediction Based on Multi-Task Transfer Learning. IEEE Access, 2020, 8, 20245-20256.	4.2	21
52	IPSec hardware resource requirements evaluation. , 0, , .		20
53	Hierarchical-granularity holonic modelling. Journal of Ambient Intelligence and Humanized Computing, 2010, 1, 199-209.	4.9	20
54	Neural modeling of dynamic systems with nonmeasurable state variables. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 1073-1080.	4.7	18

#	Article	IF	Citations
55	Fingerprint local analysis for high-performance minutiae extraction. , 2005, , .		18
56	Towards touchless pore fingerprint biometrics: A neural approach. , 2016, , .		18
57	Accuracy and performance of biometric systems. , 0, , .		17
58	A neural-based minutiae pair identification method for touch-less fingerprint images. , 2011, , .		17
59	Fast 3-D fingertip reconstruction using a single two-view structured light acquisition. , 2011, , .		17
60	A Comprehensive Method for Industrial Site Selection: The Macro-Location Analysis. IEEE Systems Journal, 2017, 11, 2971-2980.	4.6	17
61	Towards Explainable Face Aging with Generative Adversarial Networks. , 2019, , .		17
62	A Time-Varying Sliding Mode Control Method for Distributed-Mass Double Pendulum Bridge Crane With Variable Parameters. IEEE Access, 2021, 9, 75981-75992.	4.2	17
63	Hill-climbing heuristics for optimal hardware dimensioning and software allocation in fault-tolerant distributed systems. IEEE Transactions on Reliability, 1989, 38, 28-39.	4.6	16
64	A Fuzzy-Based Brokering Service for Cloud Plan Selection. IEEE Systems Journal, 2019, 13, 4101-4109.	4.6	16
65	Photoplethysmographic biometrics: A comprehensive survey. Pattern Recognition Letters, 2022, 156, 119-125.	4.2	16
66	Multiscale models for data processing: an experimental sensitivity analysis. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 995-1002.	4.7	15
67	Agencies for Perception in Environmental Monitoring. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1038-1050.	4.7	15
68	IoT-based Architectures for Sensing and Local Data Processing in Ambient Intelligence: Research and Industrial Trends. , 2019, , .		15
69	MFFA-SARNET: Deep Transferred Multi-Level Feature Fusion Attention Network with Dual Optimized Loss for Small-Sample SAR ATR. Remote Sensing, 2020, 12, 1385.	4.0	15
70	Asian Female Facial Beauty Prediction Using Deep Neural Networks via Transfer Learning and Multi-Channel Feature Fusion. IEEE Access, 2020, 8, 56892-56907.	4.2	15
71	Visual inspection of particle boards for quality assessment. , 2005, , .		14
72	Neural-based quality measurement of fingerprint images in contactless biometric systems. , 2010, , .		14

#	Article	IF	Citations
73	New trends in intelligent system design for embedded and measurement applications. IEEE Instrumentation and Measurement Magazine, 1999, 2, 36-44.	1.6	13
74	Measurement of the principal singular point in contact and contactless fingerprint images by using computational intelligence techniques. , 2010, , .		13
75	Quality measurement of unwrapped three-dimensional fingerprints: A neural networks approach. , 2012, , .		13
76	Global-Equivalent Sliding Mode Control Method for Bridge Crane. IEEE Access, 2021, 9, 160372-160382.	4.2	13
77	Biometric Privacy Protection: Guidelines and Technologies. Communications in Computer and Information Science, 2012, , 3-19.	0.5	13
78	Residue arithmetic for a fault-tolerant multiplier: The choice of the best triple of bases. Microprocessing and Microprogramming, 1987, 20, 15-23.	0.2	12
79	Function approximation-fast-convergence neural approach based on spectral analysis. IEEE Transactions on Neural Networks, 1999, 10, 725-740.	4.2	12
80	A methodological approach to multisensor classification for innovative laser material processing units. , 0, , .		12
81	Neural technologies for increasing the GPS position accuracy. , 2008, , .		12
82	Multi-scale Support Vector Regression. , 2010, , .		12
83	Non-ideal iris segmentation using Polar Spline RANSAC and illumination compensation. Computer Vision and Image Understanding, 2019, 188, 102787.	4.7	12
84	Guest Editorial Special Issue on Edge-Cloud Interplay Based on SDN and NFV for Next-Generation IoT Applications. IEEE Internet of Things Journal, 2020, 7, 5690-5694.	8.7	12
85	Iris Segmentation: State of the Art and Innovative Methods. Intelligent Systems Reference Library, 2012, , 151-182.	1.2	12
86	A digital front-end readout microsystem for calorimetry at LHC-The FERMI project. IEEE Transactions on Nuclear Science, 1993, 40, 516-531.	2.0	11
87	Design of fault-tolerant distributed control systems. IEEE Transactions on Instrumentation and Measurement, 1994, 43, 257-264.	4.7	11
88	A basic ontology for multi agent system communication in an environmental monitoring system. , 0, , .		11
89	Computational intelligence in industrial quality control. , 0, , .		11
90	Implementing FingerCode-based identity matching in the encrypted domain. , 2010, , .		11

#	Article	IF	Citations
91	A Tensor-Based Forensics Framework for Virtualized Network Functions in the Internet of Things: Utilizing Tensor Algebra in Facilitating More Efficient Network Forensic Investigations. IEEE Consumer Electronics Magazine, 2019, 8, 23-27.	2.3	11
92	Computational Intelligence in Cloud Computing. Topics in Intelligent Engineering and Informatics, 2020, , 111-127.	0.4	11
93	Weakly supervised facial expression recognition via transferred DAL-CNN and active incremental learning. Soft Computing, 2020, 24, 5971-5985.	3.6	11
94	I-SOCIAL-DB: A labeled database of images collected from websites and social media for Iris recognition. Image and Vision Computing, 2021, 105, 104058.	4.5	11
95	Online training of Hierarchical RBF. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	10
96	Kernel regression in HRBF networks for surface reconstruction. , 2008, , .		10
97	Neural-based iterative approach for iris detection in iris recognition systems. , 2009, , .		10
98	Accurate 3D fingerprint virtual environment for biometric technology evaluations and experiment design. , 2013, , .		10
99	Advanced design of Automated Border Control gates: Biometric system techniques and research trends. , 2015, , .		10
100	Dependability certification of services: a model-based approach. Computing (Vienna/New York), 2015, 97, 51-78.	4.8	10
101	Weakly Contrastive Learning via Batch Instance Discrimination and Feature Clustering for Small Sample SAR ATR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	10
102	A New Statistical Reconstruction Method for the Computed Tomography Using an X-Ray Tube with Flying Focal Spot. Journal of Artificial Intelligence and Soft Computing Research, 2021, 11, 271-286.	4.3	10
103	Designing information technology architectures: a cost-oriented methodology. Journal of Information Technology, 1999, 14, 181-192.	3.9	9
104	Image Processing for Granulometry Analysis via Neural Networks. , 2008, , .		9
105	Adaptive ECG biometric recognition: a study on re-enrollment methods for QRS signals. , 2014, , .		9
106	Automatic Classification of Acquisition Problems Affecting Fingerprint Images in Automated Border Controls. , 2015, , .		9
107	Facial Beauty Prediction via Local Feature Fusion and Broad Learning System. IEEE Access, 2020, 8, 218444-218457.	4.2	9
108	Accuracy versus complexity in RBF neural networks. IEEE Instrumentation and Measurement Magazine, 2001, 4, 32-36.	1.6	8

#	Article	IF	Citations
109	Personal identification and verification using multimodal biometric data. , 2006, , .		8
110	Virtual environment for synthetic smoke clouds generation. , 2011, , .		8
111	Two-view contactless fingerprint acquisition systems: A case study for clay artworks. , 2012, , .		8
112	3-D Granulometry Using Image Processing. IEEE Transactions on Industrial Informatics, 2019, 15, 1251-1264.	11.3	8
113	Symbolic interface for pollutant forecast. An evaluation. , 0, , .		7
114	"Web agents" in an environmental monitoring system. , 0, , .		7
115	An Intelligent System for Decentralized Load Management. , 2006, , .		7
116	A Biometric Verification System Addressing Privacy Concerns. , 2007, , .		7
117	Refining Hierarchical Radial Basis Function Networks. , 2007, , .		7
118	A Classification Method for Wood Types using Fluorescence Spectra. , 2008, , .		7
119	An ontology-based approach to human telepresence. , 2009, , .		7
120	Privacy and Security in Environmental Monitoring Systems. , 2013, , 835-853.		7
121	Guest Editorial Special Issue on Big Data Analytics and Management in Internet of Things. IEEE Internet of Things Journal, 2015, 2, 265-267.	8.7	7
122	Enhancing the Performance of Multimodal Automated Border Control Systems. , 2016, , .		7
123	Supporting User Requirements and Preferences in Cloud Plan Selection. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	7
124	Real-Time Segmentation Method of Lightweight Network For Finger Vein Using Embedded Terminal Technique. IEEE Access, 2021, 9, 303-316.	4.2	7
125	About fault-tolerant allocation of tasks in multiprocessor architectures and system dimensioning. Microprocessing and Microprogramming, 1987, 19, 335-349.	0.2	6
126	Reliability Measurement of Mass Storage System for Onboard Instrumentation. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2297-2304.	4.7	6

#	Article	IF	Citations
127	Holonic systems as software paradigms for industrial automation and environmental monitoring. , 2011, , .		6
128	Introduction to the Special Section on Biometric Systems and Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1457-1460.	9.3	6
129	Solar panel modelling through computational intelligence techniques. Measurement: Journal of the International Measurement Confederation, 2016, 93, 572-580.	5.0	6
130	Applications of Computational Intelligence in Industrial and Environmental Scenarios. Studies in Computational Intelligence, 2018, , 29-46.	0.9	6
131	IEEE Access Special Section Editorial: Convergence of Sensor Networks, Cloud Computing, and Big Data in Industrial Internet of Things. IEEE Access, 2020, 8, 210035-210040.	4.2	6
132	Iris Deidentification With High Visual Realism for Privacy Protection on Websites and Social Networks. IEEE Access, 2021, 9, 131995-132010.	4.2	6
133	Supporting Application Requirements in Cloud-based IoT Information Processing. , 2016, , .		6
134	A behavioral approach to testability analysis for neural networks. Microprocessing and Microprogramming, 1992, 35, 181-186.	0.2	5
135	Concurrent diagnosis in digital implementations of neural networks. Neurocomputing, 2002, 48, 879-903.	5.9	5
136	Analysis and application of digital spectral warping in analog and mixed-signal testing. IEEE Transactions on Reliability, 2003, 52, 444-457.	4.6	5
137	A high-level optimum design methodology for multimodal biometric systems. , 0, , .		5
138	Neural network based video surveillance system. , 0, , .		5
139	Virtual environment for granulometry analysis. , 2008, , .		5
140	Data fusion for user presence identification. , 2009, , .		5
141	A low-cost neural-based approach for wood types classification. , 2009, , .		5
142	On the use of fuzzy logic in dependable cloud management. , 2015, , .		5
143	Guest Editorial Distributed Signal Processing for Security and Privacy in Networked Cyber-Physical Systems. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 1-3.	2.8	5
144	Mobile Communication Base Station Antenna Measurement Using Unmanned Aerial Vehicle. IEEE Access, 2019, 7, 119892-119903.	4.2	5

#	Article	IF	Citations
145	AntennaNet: Antenna Parameters Measuring Network for Mobile Communication Base Station Using UAV. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-17.	4.7	5
146	Guest Editorial: Special Issue on Hybrid Humanâ€"Artificial Intelligence for Social Computing. IEEE Transactions on Computational Social Systems, 2021, 8, 118-121.	4.4	5
147	IEEE Access Special Section Editorial: Smart Health Sensing and Computational Intelligence: From Big Data to Big Impacts. IEEE Access, 2021, 9, 30452-30455.	4.2	5
148	A Scheme for Fingerphoto Recognition inÂSmartphones. Advances in Computer Vision and Pattern Recognition, 2019, , 49-66.	1.3	5
149	An approach to fault-tolerant allocation of concurrent communicating processes in multiprocessor architectures and hardware dimensioning. Microprocessing and Microprogramming, 1987, 21, 339-346.	0.2	4
150	Error detection in serial multipliers and in systolic arrays: An approach based upon Aâ˜…N codes. Microprocessing and Microprogramming, 1988, 23, 63-73.	0.2	4
151	Real-time surface reconstruction through HRBF networks. , 0, , .		4
152	Quality enhancement of reconfigurable multichip module systems by redundancy utilization. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 740-749.	4.7	4
153	Information and knowledge sharing in a distributed system: application to environmental monitoring system. , 0, , .		4
154	A packet scheduling algorithm for IPSec multi-accelerator based systems. , 0, , .		4
155	Genetic Techniques for Pattern Extraction in Particle Boards Images. , 2006, , .		4
156	High-level Architecture of an IPSec-dedicated System on Chip. , 2007, , .		4
157	Computer security aspects in industrial instrumentation and measurements. , 2010, , .		4
158	A virtual environment for the simulation of 3D wood strands in multiple view systems for the particle size measurements. , 2013, , .		4
159	Automated Border Control Systems: Biometric Challenges and Research Trends. Lecture Notes in Computer Science, 2015, , 11-20.	1.3	4
160	Enhancing fingerprint biometrics in Automated Border Control with adaptive cohorts. , 2016, , .		4
161	Application requirements with preferences in cloud-based information processing. , 2016, , .		4
162	Computational intelligence for industrial and environmental applications. , 2016, , .		4

#	Article	IF	Citations
163	Security-Aware Data Allocation in Multicloud Scenarios. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	5.4	4
164	Guest Editorial: Security and Privacy of Federated Learning Solutions for Industrial IoT Applications. IEEE Transactions on Industrial Informatics, 2022, 18, 3519-3521.	11.3	4
165	A Smart Distributed Measurement Data Management System for DSM. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	3
166	ANN Residential Load Classifier for Intelligent DSM System. , 2007, , .		3
167	Privacy and security in environmental monitoring systems. , 2012, , .		3
168	IEEE Access Special Section Editorial: Advanced Information Sensing and Learning Technologies for Data-Centric Smart Health Applications. IEEE Access, 2021, 9, 30404-30407.	4.2	3
169	An Intelligent Monitoring System for Assessing Bee Hive Health. IEEE Access, 2021, 9, 89009-89019.	4.2	3
170	BAT: Optimization algorithms and overall design of a behavioral automatic tester. Microprocessing and Microprogramming, 1986, 18, 363-370.	0.2	2
171	Global optimisation of fault-tolerant allocation of concurrent communicating processes in distributed environments. Microprocessing and Microprogramming, 1990, 28, 31-35.	0.2	2
172	Testability of artificial neural networks: A behavioral approach. Journal of Electronic Testing: Theory and Applications (JETTA), 1995, 6, 179-190.	1.2	2
173	Testing and evaluating the quality-level of stratified multichip module instrumentation. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1615-1624.	4.7	2
174	Spare Line Borrowing Technique for Distributed Memory Cores in SoC. , 0, , .		2
175	Agile online-trained neural network models by using Robust Fixed Point Transformations. , 2013, , .		2
176	HeartCode: A novel binary ECG-based template. , 2014, , .		2
177	Analyzing images in frequency domain to estimate the quality of wood particles in OSB production. , 2016, , .		2
178	Unsupervised Learning From Limited Available Data by Î²-NMF and Dual Autoencoder. , 2020, , .		2
179	On Approximating the Non-negative Rank: Applications to Unsupervised Image Reduction. , 2020, , .		2
180	Evolutionary Design of Information Systems Architectures. Lecture Notes in Computer Science, 2004, , 1-8.	1.3	2

#	Article	IF	Citations
181	Photovoltaic Energy Prediction for New-Generation Cells with Limited Data: A Transfer Learning Approach. , 2022, , .		2
182	CHILL concurrency on Intel iAPX 432 architecture. Microprocessing and Microprogramming, 1985, 15, 233-251.	0.2	1
183	Testability analysis and behavioral testing of the Hopfield neural paradigm. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 1998, 6, 507-511.	3.1	1
184	NeSS: a Simulation Environment for Behavioral Design of Neural Networks for Prediction and Control. Integrated Computer-Aided Engineering, 1999, 6, 223-232.	4.6	1
185	Enhanced vector quantization for data reduction and filtering. , 0, , .		1
186	The accuracy of the HRBF networks. , 0, , .		1
187	Evaluating the Repair of System-on-Chip (SoC) Using Connectivity. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 1464-1472.	4.7	1
188	Designing and Rightsizing the Information System Architecture. Information Systems Frontiers, 2004, 6, 229-245.	6.4	1
189	Balanced dual-stage repair for dependable embedded memory cores. Journal of Systems Architecture, 2004, 50, 281-285.	4.3	1
190	An interface for semantic browsing of an images database. , 0, , .		1
191	An Image Retrieval Interface Based On Dynamic Knowledge. , 0, , .		1
192	A multi-modal multi-paradigm agent-based approach to design scalable distributed biometric systems. , 0, , .		1
193	Dynamic Simulation for Grid Computing Systems. , 2006, , .		1
194	A New Graphical Interface For Web Search Engine. , 2007, , .		1
195	Distributed Database for Environmental Data Integration. , 2007, , .		1
196	In Memoriam - Dr. Lawrence J. Fogel. IEEE Computational Intelligence Magazine, 2008, 3, 68-69.	3.2	1
197	Guest Editorial: Multimedia-Based Healthcare. IEEE Transactions on Multimedia, 2016, 18, 1925-1928.	7.2	1
198	Computational intelligence for industrial and environmental applications. , 2017, , .		1

#	Article	IF	Citations
199	Guest Editorial Special Issue on Advanced Computational Technologies in Mobile Edge Computing for the Internet of Things. IEEE Internet of Things Journal, 2019, 6, 4742-4743.	8.7	1
200	IEEE Access Special Section: Radio Frequency Identification and Security Techniques. IEEE Access, 2019, 7, 172152-172155.	4.2	1
201	Recent trends, challenges and applications in cognitive computing for intelligent systems. Journal of Intelligent and Fuzzy Systems, 2020, 39, 8041-8042.	1.4	1
202	IEEE Access Special Section Editorial: Collaboration for Internet of Things. IEEE Access, 2020, 8, 160329-160337.	4.2	1
203	Advanced Car Driving Assistant System: A Deep Non-local Pipeline Combined with 1D Dilated CNN for Safety Driving. , 2021, , .		1
204	IPSec Database Query Acceleration. Communications in Computer and Information Science, 2008, , 188-200.	0.5	1
205	Biometric Systems. Advances in Information Security, 2014, , 7-32.	1.2	1
206	Facial beauty prediction via deep cascaded forest. International Journal of High Performance Systems Architecture, 2020, 9, 97.	0.3	1
207	Green energy‑efficient computing solutions in Internet of Things communications. International Journal of Communication Systems, 2022, 35, e5046.	2.5	1
208	AÂ³PNet: Antijam and Accurate Antenna Parameters Measuring Network for Mobile Communication Base Station Using UAV. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	1
209	Guest Editorial Special Issue on Energy-Efficient Reconfigurable Wireless Communication and Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 665-668.	5.5	1
210	Fault-tolerant hexagonal arithmetic array processors. Microprocessing and Microprogramming, 1988, 24, 629-636.	0.2	0
211	Optimum design of fault-tolerant arithmetic array processors by using data coding. Microprocessing and Microprogramming, 1989, 27, 697-704.	0.2	0
212	APES â€" Implementation of a CAD tool for array processor design: Textual definition versus graphic description. Microprocessing and Microprogramming, 1990, 28, 63-67.	0.2	0
213	Concurrent error detection in parallel multipliers and complex arithmetic structures: Remarks on the use of the 3n code. Microprocessing and Microprogramming, 1991, 31, 47-52.	0.2	0
214	Fault-tolerant techniques for VLSI tree structures. Microprocessing and Microprogramming, 1992, 34, 97-102.	0.2	0
215	A highly-parallel system for real-time electronic measurements. Microprocessing and Microprogramming, 1992, 34, 129-132.	0.2	0
216	Entropic Analysis and Incremental Synthesis of Multilayered Feedforward Neural Networks. International Journal of Neural Systems, 1997, 08, 647-659.	5.2	0

#	Article	IF	Citations
217	On test data compaction using linear cycle registers. , 0, , .		0
218	Scheduling small packets in IPSec-based systems. , 0, , .		0
219	Growing Together [President's Message]. IEEE Computational Intelligence Magazine, 2007, 2, 3-9.	3.2	0
220	A Look to Our Past with Our Future in Mind [President's Message]. IEEE Computational Intelligence Magazine, 2007, 2, 2-4.	3.2	0
221	Guest EditorialSpecial Section on VECIMS 2005. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1818-1819.	4.7	0
222	2009 IEEE Symposium Series on Computational Intelligence (SSCI 2009) [Conference Reports. IEEE Computational Intelligence Magazine, 2009, 4, 20-21.	3.2	0
223	Message from the chairpersons. , 2010, , .		0
224	An Image Retrieval Based Solution for Correspondence Problem in Binocular Vision. , 2010, , .		0
225	Scanner systems. , 2013, , 21-42.		0
226	Privacy and Security in Environmental Monitoring Systems. , 2013, , 823-841.		0
227	Editorial [Journal page limit policy]. IEEE Systems Journal, 2015, 9, 325-325.	4.6	0
228	Guest Editorial: Intelligent solutions for green computing in internet of medical things. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	0
229	IEEE/CIS Publications Activities. IEEE Computational Intelligence Magazine, 2006, 1, 3-4.	3.2	0
230	Surface fitting as a regression problem. , 2013, , 61-76.		0
231	Hierarchical Support Vector Regression. , 2013, , 111-142.		0
232	Hierarchical Radial Basis Functions Networks. , 2013, , 77-110.		0
233	Touchless and Less-Constrained Biometric Systems. Advances in Information Security, 2014, , 33-48.	1.2	0
234	The use of the electrical simulator SPICE for behavioral simulation of artificial neural networks. ACM SIGSIM Simulation Digest, 1991, 21, 18-29.	0.1	0

#	Article	IF	Citations
235	Instance contrastive learning with dynamic weighted variance for small sample steel defect recognition. Electronics Letters, 2022, 58, 50.	1.0	0
236	Guest Editorial Special Issue on Artificial Intelligence-Based Sensors for Next Generation IoT Applications. IEEE Sensors Journal, 2021, 21, 24919-24919.	4.7	0