

Vincenzo Piuri

List of Publications by Year in descending order

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Version: 2024-02-01

236
papers

4,303
citations

201575

27
h-index

206029

48
g-index

265
all docs

265
docs citations

265
times ranked

2900
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.7	10
2	A Survey of Unsupervised Generative Models for Exploratory Data Analysis and Representation Learning. ACM Computing Surveys, 2022, 54, 1-40.	16.1	26
3	Industry 4.0 Implementation Challenges and Opportunities: A Technological Perspective. IEEE Systems Journal, 2022, 16, 2797-2810.	2.9	31
4	Instance contrastive learning with dynamic weighted variance for small sample steel defect recognition. Electronics Letters, 2022, 58, 50.	0.5	0
5	Green energy-efficient computing solutions in Internet of Things communications. International Journal of Communication Systems, 2022, 35, e5046.	1.6	1
6	Guest Editorial: Security and Privacy of Federated Learning Solutions for Industrial IoT Applications. IEEE Transactions on Industrial Informatics, 2022, 18, 3519-3521.	7.2	4
7	AA ³ PNet: Antijam and Accurate Antenna Parameters Measuring Network for Mobile Communication Base Station Using UAV. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	1
8	Photoplethysmographic biometrics: A comprehensive survey. Pattern Recognition Letters, 2022, 156, 119-125.	2.6	16
9	Guest Editorial Special Issue on Energy-Efficient Reconfigurable Wireless Communication and Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 665-668.	3.5	1
10	Photovoltaic Energy Prediction for New-Generation Cells with Limited Data: A Transfer Learning Approach. , 2022, , .		2
11	Industry 4.0 Implementation Challenges and Opportunities: A Managerial Perspective. IEEE Systems Journal, 2021, 15, 546-559.	2.9	96
12	I-SOCIAL-DB: A labeled database of images collected from websites and social media for Iris recognition. Image and Vision Computing, 2021, 105, 104058.	2.7	11
13	Security-Aware Data Allocation in Multicloud Scenarios. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	3.7	4
14	Real-Time Segmentation Method of Lightweight Network For Finger Vein Using Embedded Terminal Technique. IEEE Access, 2021, 9, 303-316.	2.6	7
15	Global-Equivalent Sliding Mode Control Method for Bridge Crane. IEEE Access, 2021, 9, 160372-160382.	2.6	13
16	IEEE Access Special Section Editorial: Advanced Information Sensing and Learning Technologies for Data-Centric Smart Health Applications. IEEE Access, 2021, 9, 30404-30407.	2.6	3
17	A Time-Varying Sliding Mode Control Method for Distributed-Mass Double Pendulum Bridge Crane With Variable Parameters. IEEE Access, 2021, 9, 75981-75992.	2.6	17
18	Iris Deidentification With High Visual Realism for Privacy Protection on Websites and Social Networks. IEEE Access, 2021, 9, 131995-132010.	2.6	6

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19	Advanced Car Driving Assistant System: A Deep Non-local Pipeline Combined with 1D Dilated CNN for Safety Driving. , 2021, , .		1
20	AntennaNet: Antenna Parameters Measuring Network for Mobile Communication Base Station Using UAV. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-17.	2.4	5
21	Guest Editorial: Special Issue on Hybrid Humanâ€™Artificial Intelligence for Social Computing. IEEE Transactions on Computational Social Systems, 2021, 8, 118-121.	3.2	5
22	Guest Editorial: Intelligent solutions for green computing in internet of medical things. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	1.2	0
23	Acute Lymphoblastic Leukemia Detection Based on Adaptive Unsharpening and Deep Learning. , 2021, , .		32
24	IEEE Access Special Section Editorial: Smart Health Sensing and Computational Intelligence: From Big Data to Big Impacts. IEEE Access, 2021, 9, 30452-30455.	2.6	5
25	An Intelligent Monitoring System for Assessing Bee Hive Health. IEEE Access, 2021, 9, 89009-89019.	2.6	3
26	Artificial Intelligence-Based Sensors for Next Generation IoT Applications: A Review. IEEE Sensors Journal, 2021, 21, 24920-24932.	2.4	75
27	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.	3.5	10
28	Guest Editorial Special Issue on Artificial Intelligence-Based Sensors for Next Generation IoT Applications. IEEE Sensors Journal, 2021, 21, 24919-24919.	2.4	0
29	A Decision Support System for Wind Power Production. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 290-304.	5.9	21
30	Computational Intelligence in Cloud Computing. Topics in Intelligent Engineering and Informatics, 2020, , 111-127.	0.4	11
31	Weakly supervised facial expression recognition via transferred DAL-CNN and active incremental learning. Soft Computing, 2020, 24, 5971-5985.	2.1	11
32	Recent trends, challenges and applications in cognitive computing for intelligent systems. Journal of Intelligent and Fuzzy Systems, 2020, 39, 8041-8042.	0.8	1
33	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.	5.5	12
34	Unsupervised Learning From Limited Available Data by \hat{l}^2 -NMF and Dual Autoencoder. , 2020, , .		2
35	Facial Beauty Prediction via Local Feature Fusion and Broad Learning System. IEEE Access, 2020, 8, 218444-218457.	2.6	9
36	IEEE Access Special Section Editorial: Collaboration for Internet of Things. IEEE Access, 2020, 8, 160329-160337.	2.6	1

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37	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.	2.6	6
38	MFFA-SARNET: Deep Transferred Multi-Level Feature Fusion Attention Network with Dual Optimized Loss for Small-Sample SAR ATR. Remote Sensing, 2020, 12, 1385.	1.8	15
39	Asian Female Facial Beauty Prediction Using Deep Neural Networks via Transfer Learning and Multi-Channel Feature Fusion. IEEE Access, 2020, 8, 56892-56907.	2.6	15
40	TAI-SARNET: Deep Transferred Atrous-Inception CNN for Small Samples SAR ATR. Sensors, 2020, 20, 1724.	2.1	23
41	On Approximating the Non-negative Rank: Applications to Unsupervised Image Reduction. , 2020, , .		2
42	2M BeautyNet: Facial Beauty Prediction Based on Multi-Task Transfer Learning. IEEE Access, 2020, 8, 20245-20256.	2.6	21
43	Finger Vein Verification Algorithm Based on Fully Convolutional Neural Network and Conditional Random Field. IEEE Access, 2020, 8, 65402-65419.	2.6	25
44	Facial beauty prediction via deep cascaded forest. International Journal of High Performance Systems Architecture, 2020, 9, 97.	0.2	1
45	3-D Granulometry Using Image Processing. IEEE Transactions on Industrial Informatics, 2019, 15, 1251-1264.	7.2	8
46	Mobile Communication Base Station Antenna Measurement Using Unmanned Aerial Vehicle. IEEE Access, 2019, 7, 119892-119903.	2.6	5
47	Non-ideal iris segmentation using Polar Spline RANSAC and illumination compensation. Computer Vision and Image Understanding, 2019, 188, 102787.	3.0	12
48	Towards Explainable Face Aging with Generative Adversarial Networks. , 2019, , .		17
49	IoT-based Architectures for Sensing and Local Data Processing in Ambient Intelligence: Research and Industrial Trends. , 2019, , .		15
50	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.	5.5	1
51	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
52	PalmNet: Gabor-PCA Convolutional Networks for Touchless Palmprint Recognition. IEEE Transactions on Information Forensics and Security, 2019, 14, 3160-3174.	4.5	141
53	A Fuzzy-Based Brokering Service for Cloud Plan Selection. IEEE Systems Journal, 2019, 13, 4101-4109.	2.9	16
54	IEEE Access Special Section: Radio Frequency Identification and Security Techniques. IEEE Access, 2019, 7, 172152-172155.	2.6	1

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55	Supporting User Requirements and Preferences in Cloud Plan Selection. IEEE Transactions on Services Computing, 2019, , 1-1.	3.2	7
56	Deep-ECG: Convolutional Neural Networks for ECG biometric recognition. Pattern Recognition Letters, 2019, 126, 78-85.	2.6	198
57	A Scheme for Fingerphoto Recognition in Smartphones. Advances in Computer Vision and Pattern Recognition, 2019, , 49-66.	0.9	5
58	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.	1.6	5
59	Applications of Computational Intelligence in Industrial and Environmental Scenarios. Studies in Computational Intelligence, 2018, , 29-46.	0.7	6
60	Intelligent Decision Support System for Industrial Site Classification: A GIS-Based Hierarchical Neuro-Fuzzy Approach. IEEE Systems Journal, 2018, 12, 2970-2981.	2.9	21
61	A novel pore extraction method for heterogeneous fingerprint images using Convolutional Neural Networks. Pattern Recognition Letters, 2018, 113, 58-66.	2.6	62
62	Biometric Recognition in Automated Border Control. ACM Computing Surveys, 2017, 49, 1-39.	16.1	62
63	A Comprehensive Method for Industrial Site Selection: The Macro-Location Analysis. IEEE Systems Journal, 2017, 11, 2971-2980.	2.9	17
64	Age estimation based on face images and pre-trained convolutional neural networks. , 2017, , .		27
65	Computational intelligence for industrial and environmental applications. , 2017, , .		1
66	Enhancing fingerprint biometrics in Automated Border Control with adaptive cohorts. , 2016, , .		4
67	Application requirements with preferences in cloud-based information processing. , 2016, , .		4
68	Enhancing the Performance of Multimodal Automated Border Control Systems. , 2016, , .		7
69	Towards touchless pore fingerprint biometrics: A neural approach. , 2016, , .		18
70	Solar panel modelling through computational intelligence techniques. Measurement: Journal of the International Measurement Confederation, 2016, 93, 572-580.	2.5	6
71	Analyzing images in frequency domain to estimate the quality of wood particles in OSB production. , 2016, , .		2
72	Computational intelligence for industrial and environmental applications. , 2016, , .		4

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73	Guest Editorial: Multimedia-Based Healthcare. IEEE Transactions on Multimedia, 2016, 18, 1925-1928.	5.2	1
74	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.	5.9	59
75	Supporting Application Requirements in Cloud-based IoT Information Processing. , 2016, , .		6
76	On the use of fuzzy logic in dependable cloud management. , 2015, , .		5
77	Editorial [Journal page limit policy]. IEEE Systems Journal, 2015, 9, 325-325.	2.9	0
78	Automated Border Control Systems: Biometric Challenges and Research Trends. Lecture Notes in Computer Science, 2015, , 11-20.	1.0	4
79	Advanced design of Automated Border Control gates: Biometric system techniques and research trends. , 2015, , .		10
80	Automatic Classification of Acquisition Problems Affecting Fingerprint Images in Automated Border Controls. , 2015, , .		9
81	Guest Editorial Special Issue on Big Data Analytics and Management in Internet of Things. IEEE Internet of Things Journal, 2015, 2, 265-267.	5.5	7
82	Models for solar radiation prediction based on different measurement sites. Measurement: Journal of the International Measurement Confederation, 2015, 63, 346-363.	2.5	45
83	Dependability certification of services: a model-based approach. Computing (Vienna/New York), 2015, 97, 51-78.	3.2	10
84	Adaptive ECG biometric recognition: a study on re-enrollment methods for QRS signals. , 2014, , .		9
85	HeartCode: A novel binary ECG-based template. , 2014, , .		2
86	Introduction to the Special Section on Biometric Systems and Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1457-1460.	5.9	6
87	Biometric Systems. Advances in Information Security, 2014, , 7-32.	0.9	1
88	Touchless and Less-Constrained Biometric Systems. Advances in Information Security, 2014, , 33-48.	0.9	0
89	Scanner systems. , 2013, , 21-42.		0
90	Accurate 3D fingerprint virtual environment for biometric technology evaluations and experiment design. , 2013, , .		10

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91	Agile online-trained neural network models by using Robust Fixed Point Transformations. , 2013, , .		2
92	Fault Tolerance Management in Cloud Computing: A System-Level Perspective. IEEE Systems Journal, 2013, 7, 288-297.	2.9	136
93	Contactless fingerprint recognition: A neural approach for perspective and rotation effects reduction. , 2013, , .		34
94	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.	5.9	42
95	Privacy and Security in Environmental Monitoring Systems. , 2013, , 835-853.		7
96	A virtual environment for the simulation of 3D wood strands in multiple view systems for the particle size measurements. , 2013, , .		4
97	Privacy and Security in Environmental Monitoring Systems. , 2013, , 823-841.		0
98	Surface fitting as a regression problem. , 2013, , 61-76.		0
99	Hierarchical Support Vector Regression. , 2013, , 111-142.		0
100	Hierarchical Radial Basis Functions Networks. , 2013, , 77-110.		0
101	Hierarchical Approach for Multiscale Support Vector Regression. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1448-1460.	7.2	36
102	Privacy and security in environmental monitoring systems. , 2012, , .		3
103	Supporting Security Requirements for Resource Management in Cloud Computing. , 2012, , .		61
104	Quality measurement of unwrapped three-dimensional fingerprints: A neural networks approach. , 2012, , .		13
105	Two-view contactless fingerprint acquisition systems: A case study for clay artworks. , 2012, , .		8
106	Iris Segmentation: State of the Art and Innovative Methods. Intelligent Systems Reference Library, 2012, , 151-182.	1.0	12
107	Biometric Privacy Protection: Guidelines and Technologies. Communications in Computer and Information Science, 2012, , 3-19.	0.4	13
108	A neural-based minutiae pair identification method for touch-less fingerprint images. , 2011, , .		17

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109	Holonic systems as software paradigms for industrial automation and environmental monitoring. , 2011, , .		6
110	All-IDB: The acute lymphoblastic leukemia image database for image processing. , 2011, , .		244
111	Virtual environment for synthetic smoke clouds generation. , 2011, , .		8
112	Fast 3-D fingertip reconstruction using a single two-view structured light acquisition. , 2011, , .		17
113	Wildfire smoke detection using computational intelligence techniques. , 2011, , .		33
114	Message from the chairpersons. , 2010, , .		0
115	Privacy-preserving fingercode authentication. , 2010, , .		125
116	Hierarchical-granularity holonic modelling. Journal of Ambient Intelligence and Humanized Computing, 2010, 1, 199-209.	3.3	20
117	Adaptive Reflection Detection and Location in Iris Biometric Images by Using Computational Intelligence Techniques. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1825-1833.	2.4	25
118	Computer security aspects in industrial instrumentation and measurements. , 2010, , .		4
119	Multi-scale Support Vector Regression. , 2010, , .		12
120	A Hierarchical RBF Online Learning Algorithm for Real-Time 3-D Scanner. IEEE Transactions on Neural Networks, 2010, 21, 275-285.	4.8	53
121	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.	3.3	47
122	Neural-based quality measurement of fingerprint images in contactless biometric systems. , 2010, , .		14
123	Implementing FingerCode-based identity matching in the encrypted domain. , 2010, , .		11
124	Measurement of the principal singular point in contact and contactless fingerprint images by using computational intelligence techniques. , 2010, , .		13
125	An Image Retrieval Based Solution for Correspondence Problem in Binocular Vision. , 2010, , .		0
126	A privacy-compliant fingerprint recognition system based on homomorphic encryption and Fingercode templates. , 2010, , .		62

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127	An ontology-based approach to human telepresence. , 2009, , .		7
128	Data fusion for user presence identification. , 2009, , .		5
129	A low-cost neural-based approach for wood types classification. , 2009, , .		5
130	2009 IEEE Symposium Series on Computational Intelligence (SSCI 2009) [Conference Reports. IEEE Computational Intelligence Magazine, 2009, 4, 20-21.	3.4	0
131	Agent-based image iris segmentation and multiple views boundary refining. , 2009, , .		27
132	Neural-based iterative approach for iris detection in iris recognition systems. , 2009, , .		10
133	A Multi-biometric Verification System for the Privacy Protection of Iris Templates. Advances in Soft Computing, 2009, , 227-234.	0.4	26
134	In Memoriam - Dr. Lawrence J. Fogel. IEEE Computational Intelligence Magazine, 2008, 3, 68-69.	3.4	1
135	Guest EditorialSpecial Section on VECIMS 2005. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1818-1819.	2.4	0
136	Virtual environment for granulometry analysis. , 2008, , .		5
137	Fuzzy Clustering With Partial Supervision in Organization and Classification of Digital Images. IEEE Transactions on Fuzzy Systems, 2008, 16, 1008-1026.	6.5	51
138	Fingerprint Biometrics via Low-cost Sensors and Webcams. , 2008, , .		39
139	Kernel regression in HRBF networks for surface reconstruction. , 2008, , .		10
140	Image Processing for Granulometry Analysis via Neural Networks. , 2008, , .		9
141	Privacy-Aware Biometrics: Design and Implementation of a Multimodal Verification System. , 2008, , .		45
142	A Classification Method for Wood Types using Fluorescence Spectra. , 2008, , .		7
143	Neural technologies for increasing the GPS position accuracy. , 2008, , .		12
144	IPSec Database Query Acceleration. Communications in Computer and Information Science, 2008, , 188-200.	0.4	1

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145	A Smart Distributed Measurement Data Management System for DSM. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	3
146	High-level Architecture of an IPSec-dedicated System on Chip. , 2007, , .		4
147	A Biometric Verification System Addressing Privacy Concerns. , 2007, , .		7
148	Online training of Hierarchical RBF. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	10
149	Reducing and Filtering Point Clouds With Enhanced Vector Quantization. IEEE Transactions on Neural Networks, 2007, 18, 161-177.	4.8	21
150	A New Graphical Interface For Web Search Engine. , 2007, , .		1
151	ANN Residential Load Classifier for Intelligent DSM System. , 2007, , .		3
152	Distributed Database for Environmental Data Integration. , 2007, , .		1
153	Refining Hierarchical Radial Basis Function Networks. , 2007, , .		7
154	Growing Together [President's Message]. IEEE Computational Intelligence Magazine, 2007, 2, 3-9.	3.4	0
155	A Look to Our Past with Our Future in Mind [President's Message]. IEEE Computational Intelligence Magazine, 2007, 2, 2-4.	3.4	0
156	Personal identification and verification using multimodal biometric data. , 2006, , .		8
157	Dynamic Simulation for Grid Computing Systems. , 2006, , .		1
158	Agencies for Perception in Environmental Monitoring. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1038-1050.	2.4	15
159	Genetic Techniques for Pattern Extraction in Particle Boards Images. , 2006, , .		4
160	An Intelligent System for Decentralized Load Management. , 2006, , .		7
161	IEEE/CIS Publications Activities. IEEE Computational Intelligence Magazine, 2006, 1, 3-4.	3.4	0
162	Quality Assessment of Biometric Systems: A Comprehensive Perspective Based on Accuracy and Performance Measurement. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1489-1496.	2.4	41

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163	Automatic Multiscale Meshing Through HRBF Networks. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1463-1470.	2.4	37
164	Reliability Measurement of Mass Storage System for Onboard Instrumentation. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2297-2304.	2.4	6
165	Visual inspection of particle boards for quality assessment. , 2005, , .		14
166	Fingerprint local analysis for high-performance minutiae extraction. , 2005, , .		18
167	Evaluating the Repair of System-on-Chip (SoC) Using Connectivity. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 1464-1472.	2.4	1
168	Designing and Rightsizing the Information System Architecture. Information Systems Frontiers, 2004, 6, 229-245.	4.1	1
169	Balanced dual-stage repair for dependable embedded memory cores. Journal of Systems Architecture, 2004, 50, 281-285.	2.5	1
170	Evolutionary Design of Information Systems Architectures. Lecture Notes in Computer Science, 2004, , 1-8.	1.0	2
171	Analysis and application of digital spectral warping in analog and mixed-signal testing. IEEE Transactions on Reliability, 2003, 52, 444-457.	3.5	5
172	Error analysis and detection procedures for a hardware implementation of the advanced encryption standard. IEEE Transactions on Computers, 2003, 52, 492-505.	2.4	249
173	Quality enhancement of reconfigurable multichip module systems by redundancy utilization. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 740-749.	2.4	4
174	Concurrent diagnosis in digital implementations of neural networks. Neurocomputing, 2002, 48, 879-903.	3.5	5
175	Semiconcurrent error detection in data paths. IEEE Transactions on Computers, 2001, 50, 449-465.	2.4	21
176	Accuracy versus complexity in RBF neural networks. IEEE Instrumentation and Measurement Magazine, 2001, 4, 32-36.	1.2	8
177	Analysis of Fault Tolerance in Artificial Neural Networks. Journal of Parallel and Distributed Computing, 2001, 61, 18-48.	2.7	51
178	Multiscale models for data processing: an experimental sensitivity analysis. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 995-1002.	2.4	15
179	Testing and evaluating the quality-level of stratified multichip module instrumentation. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1615-1624.	2.4	2
180	A Web-based distributed virtual educational laboratory. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 349-356.	2.4	135

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181	Composite real-time image processing for railways track profile measurement. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 559-564.	2.4	103
182	A serial-parallel architecture for two-dimensional discrete cosine and inverse discrete cosine transforms. IEEE Transactions on Computers, 2000, 49, 1297-1309.	2.4	33
183	NeSS: a Simulation Environment for Behavioral Design of Neural Networks for Prediction and Control. Integrated Computer-Aided Engineering, 1999, 6, 223-232.	2.5	1
184	Designing information technology architectures: a cost-oriented methodology. Journal of Information Technology, 1999, 14, 181-192.	2.5	9
185	A simulation tool for virtual laboratory experiments in a WWW environment. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 741-746.	2.4	67
186	Neural modeling of dynamic systems with nonmeasurable state variables. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 1073-1080.	2.4	18
187	Function approximation-fast-convergence neural approach based on spectral analysis. IEEE Transactions on Neural Networks, 1999, 10, 725-740.	4.8	12
188	A parallel implementation of the 2-D discrete wavelet transform without interprocessor communications. IEEE Transactions on Signal Processing, 1999, 47, 3179-3184.	3.2	21
189	New trends in intelligent system design for embedded and measurement applications. IEEE Instrumentation and Measurement Magazine, 1999, 2, 36-44.	1.2	13
190	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.	1.2	58
191	Testability analysis and behavioral testing of the Hopfield neural paradigm. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 1998, 6, 507-511.	2.1	1
192	High performance fault-tolerant digital neural networks. IEEE Transactions on Computers, 1998, 47, 357-363.	2.4	24
193	Entropic Analysis and Incremental Synthesis of Multilayered Feedforward Neural Networks. International Journal of Neural Systems, 1997, 08, 647-659.	3.2	0
194	Hybrid CORDIC algorithms. IEEE Transactions on Computers, 1997, 46, 1202-1207.	2.4	82
195	Pipelined adders. IEEE Transactions on Computers, 1996, 45, 348-356.	2.4	35
196	Experimental neural networks for prediction and identification. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 670-676.	2.4	46
197	Testability of artificial neural networks: A behavioral approach. Journal of Electronic Testing: Theory and Applications (JETTA), 1995, 6, 179-190.	0.9	2
198	Design of fault-tolerant distributed control systems. IEEE Transactions on Instrumentation and Measurement, 1994, 43, 257-264.	2.4	11

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199	A digital front-end readout microsystem for calorimetry at LHC-The FERMI project. IEEE Transactions on Nuclear Science, 1993, 40, 516-531.	1.2	11
200	Fault-tolerant techniques for VLSI tree structures. Microprocessing and Microprogramming, 1992, 34, 97-102.	0.3	0
201	A highly-parallel system for real-time electronic measurements. Microprocessing and Microprogramming, 1992, 34, 129-132.	0.3	0
202	A behavioral approach to testability analysis for neural networks. Microprocessing and Microprogramming, 1992, 35, 181-186.	0.3	5
203	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.	0.3	0
204	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
205	Global optimisation of fault-tolerant allocation of concurrent communicating processes in distributed environments. Microprocessing and Microprogramming, 1990, 28, 31-35.	0.3	2
206	APES " Implementation of a CAD tool for array processor design: Textual definition versus graphic description. Microprocessing and Microprogramming, 1990, 28, 63-67.	0.3	0
207	Hill-climbing heuristics for optimal hardware dimensioning and software allocation in fault-tolerant distributed systems. IEEE Transactions on Reliability, 1989, 38, 28-39.	3.5	16
208	Optimum design of fault-tolerant arithmetic array processors by using data coding. Microprocessing and Microprogramming, 1989, 27, 697-704.	0.3	0
209	Fault-tolerant hexagonal arithmetic array processors. Microprocessing and Microprogramming, 1988, 24, 629-636.	0.3	0
210	Error detection in serial multipliers and in systolic arrays: An approach based upon A...N codes. Microprocessing and Microprogramming, 1988, 23, 63-73.	0.3	4
211	An approach to fault-tolerant allocation of concurrent communicating processes in multiprocessor architectures and hardware dimensioning. Microprocessing and Microprogramming, 1987, 21, 339-346.	0.3	4
212	Residue arithmetic for a fault-tolerant multiplier: The choice of the best triple of bases. Microprocessing and Microprogramming, 1987, 20, 15-23.	0.3	12
213	About fault-tolerant allocation of tasks in multiprocessor architectures and system dimensioning. Microprocessing and Microprogramming, 1987, 19, 335-349.	0.3	6
214	BAT: Optimization algorithms and overall design of a behavioral automatic tester. Microprocessing and Microprogramming, 1986, 18, 363-370.	0.3	2
215	CHILL concurrency on Intel iAPX 432 architecture. Microprocessing and Microprogramming, 1985, 15, 233-251.	0.3	1
216	A methodological approach to multisensor classification for innovative laser material processing units. , 0, , .		12

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217	Real-time surface reconstruction through HRBF networks. , 0, , .		4
218	Symbolic interface for pollutant forecast. An evaluation. , 0, , .		7
219	Information and knowledge sharing in a distributed system: application to environmental monitoring system. , 0, , .		4
220	A high-level optimum design methodology for multimodal biometric systems. , 0, , .		5
221	Accuracy and performance of biometric systems. , 0, , .		17
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