

Vitoantonio Bevilacqua

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.

185
papers

1,587
citations

21
h-index

32
g-index

205
ext. papers

2,059
ext. citations

1.9
avg, IF

5.01
L-index

#	Paper	IF	Citations
185	Identification of glomerulosclerosis using IBM Watson and shallow neural networks.. <i>Journal of Nephrology</i> , 2022 , 1	4.8	1
184	Evaluation of Vision-Based Hand Tool Tracking Methods for Quality Assessment and Training in Human-Centered Industry 4.0. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1796	2.6	0
183	Movement observation activates motor cortex in fibromyalgia patients: a fNIRS study.. <i>Scientific Reports</i> , 2022 , 12, 4707	4.9	0
182	Liver, kidney and spleen segmentation from CT scans and MRI with deep learning: A survey. <i>Neurocomputing</i> , 2022 , 490, 30-53	5.4	5
181	Focal Dice Loss-Based V-Net for Liver Segments Classification. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3247	2.6	2
180	A Nonlinear Autoencoder for Kinematic Synergy Extraction from Movement Data Acquired with HTC Vive Trackers. <i>Smart Innovation, Systems and Technologies</i> , 2021 , 231-241	0.5	2
179	A neural network for glomerulus classification based on histological images of kidney biopsy. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 300	3.6	0
178	Guest Editorial for Special Section on the 15th International Conference on Intelligent Computing (ICIC). <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 1730-1732	3	
177	Lung Segmentation and Characterization in COVID-19 Patients for Assessing Pulmonary Thromboembolism: An Approach Based on Deep Learning and Radiomics. <i>Electronics (Switzerland)</i> , 2021 , 10, 2475	2.6	5
176	Segmentation and Identification of Vertebrae in CT Scans Using CNN, k-Means Clustering and k-NN. <i>Informatics</i> , 2021 , 8, 40	2.2	5
175	Deep learning for processing electromyographic signals: A taxonomy-based survey. <i>Neurocomputing</i> , 2021 , 452, 549-565	5.4	9
174	Deep learning and generative adversarial networks in oral and maxillofacial surgery 2021 , 55-82		
173	Intelligent Neonatal Sepsis Early Diagnosis System for Very Low Birth Weight Infants. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 404	2.6	0
172	Multi-class Tissue Classification in Colorectal Cancer with Handcrafted and Deep Features. <i>Lecture Notes in Computer Science</i> , 2021 , 512-525	0.9	1
171	Towards online myoelectric control based on muscle synergies-to-force mapping for robotic applications. <i>Neurocomputing</i> , 2021 , 452, 768-778	5.4	1
170	A Deep Learning Instance Segmentation Approach for Global Glomerulosclerosis Assessment in Donor Kidney Biopsies. <i>Electronics (Switzerland)</i> , 2020 , 9, 1768	2.6	11
169	Task-Oriented Muscle Synergy Extraction Using An Autoencoder-Based Neural Model. <i>Information (Switzerland)</i> , 2020 , 11, 219	2.6	4

168	Comparative Analysis of Rhino-Cytological Specimens with Image Analysis and Deep Learning Techniques. <i>Electronics (Switzerland)</i> , 2020 , 9, 952	2.6	3
167	TestGraphia, a Software System for the Early Diagnosis of Dysgraphia. <i>IEEE Access</i> , 2020 , 8, 19564-19575	3.5	12
166	Mutual interaction between motor cortex activation and pain in fibromyalgia: EEG-fNIRS study. <i>PLoS ONE</i> , 2020 , 15, e0228158	3.7	10
165	Semantic Segmentation Framework for Glomeruli Detection and Classification in Kidney Histological Sections. <i>Electronics (Switzerland)</i> , 2020 , 9, 503	2.6	21
164	A Multi-modal Tool Suite for Parkinson Disease Evaluation and Grading. <i>Smart Innovation, Systems and Technologies</i> , 2020 , 257-268	0.5	
163	Reconstruction, Optimization and Quality Check of Microsoft HoloLens-Acquired 3D Point Clouds. <i>Smart Innovation, Systems and Technologies</i> , 2020 , 83-93	0.5	0
162	On the Analysis of the Relationship Between Alkaline Water Usage and Muscle Fatigue Recovery. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 26-31	0.4	
161	A Deep Learning Approach for Hepatocellular Carcinoma Grading 2020 , 353-371		
160	Guest Editorial for Special Section on the 14th International Conference on Intelligent Computing (ICIC). <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020 , 17, 1474-1475	3	
159	Mutual interaction between motor cortex activation and pain in fibromyalgia: EEG-fNIRS study 2020 , 15, e0228158		
158	Mutual interaction between motor cortex activation and pain in fibromyalgia: EEG-fNIRS study 2020 , 15, e0228158		
157	Mutual interaction between motor cortex activation and pain in fibromyalgia: EEG-fNIRS study 2020 , 15, e0228158		
156	Mutual interaction between motor cortex activation and pain in fibromyalgia: EEG-fNIRS study 2020 , 15, e0228158		
155	A Marker-Less Registration Approach for Mixed Reality-Aided Maxillofacial Surgery: a Pilot Evaluation. <i>Journal of Digital Imaging</i> , 2019 , 32, 1008-1018	5.3	33
154	An Immersive Environment for Experiential Training and Remote Control in Hazardous Industrial Tasks. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 88-97	0.4	3
153	A performance comparison between shallow and deeper neural networks supervised classification of tomosynthesis breast lesions images. <i>Cognitive Systems Research</i> , 2019 , 53, 3-19	4.8	23
152	Analysis of the Relationship Between Content and Interaction in the Usability Design of 360o Videos. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 593-602	0.4	2
151	Design and Development of a Robotic Platform Based on Virtual Reality Scenarios and Wearable Sensors for Upper Limb Rehabilitation and Visuomotor Coordination. <i>Lecture Notes in Computer Science</i> , 2019 , 704-715	0.9	

150	A neural network-based software to recognise blepharospasm symptoms and to measure eye closure time. <i>Computers in Biology and Medicine</i> , 2019 , 112, 103376	7	4
149	Guest Editorial for Special Section on the 13th International Conference on Intelligent Computing (ICIC). <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019 , 16, 749-750	3	
148	A Survey on Deep Learning in Electromyographic Signal Analysis. <i>Lecture Notes in Computer Science</i> , 2019 , 751-761	0.9	2
147	Feasibility of a Non-immersive Virtual Reality Training on Functional Living Skills Applied to Person with Major Neurocognitive Disorder. <i>Lecture Notes in Computer Science</i> , 2019 , 692-703	0.9	1
146	Proposal of a health care network based on big data analytics for PDs. <i>Journal of Engineering</i> , 2019 , 2019, 4603-4611	0.7	3
145	An undercomplete autoencoder to extract muscle synergies for motor intention detection 2019 ,		2
144	Locomotion Mode Classification Based on Support Vector Machines and Hip Joint Angles: A Feasibility Study for Applications in Wearable Robotics. <i>Springer Proceedings in Advanced Robotics</i> , 2019 , 197-205	0.6	2
143	Bioelectrical Correlates of Emotional Changes Induced by Environmental Sound and Colour: From Virtual Reality to Real Life. <i>Biosystems and Biorobotics</i> , 2019 , 982-985	0.2	
142	Gait Analysis and Parkinson's Disease: Recent Trends on Main Applications in Healthcare. <i>Biosystems and Biorobotics</i> , 2019 , 1121-1125	0.2	5
141	Depth-Awareness in a System for Mixed-Reality Aided Surgical Procedures. <i>Lecture Notes in Computer Science</i> , 2019 , 716-726	0.9	2
140	An Innovative Neural Network Framework for Glomerulus Classification Based on Morphological and Texture Features Evaluated in Histological Images of Kidney Biopsy. <i>Lecture Notes in Computer Science</i> , 2019 , 727-738	0.9	5
139	Evaluating Generalization Capability of Bio-inspired Models for a Myoelectric Control: A Pilot Study. <i>Lecture Notes in Computer Science</i> , 2019 , 739-750	0.9	3
138	Detection and Segmentation of Kidneys from Magnetic Resonance Images in Patients with Autosomal Dominant Polycystic Kidney Disease. <i>Lecture Notes in Computer Science</i> , 2019 , 639-650	0.9	4
137	A Novel Deep Learning Approach in Haematology for Classification of Leucocytes. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 265-274	0.5	5
136	A low-cost vision system based on the analysis of motor features for recognition and severity rating of Parkinson's Disease. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 243	3.6	17
135	A comparison between two semantic deep learning frameworks for the autosomal dominant polycystic kidney disease segmentation based on magnetic resonance images. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 244	3.6	11
134	Biometric handwriting analysis to support Parkinson's Disease assessment and grading. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 252	3.6	9
133	CRISPRLearner: A Deep Learning-Based System to Predict CRISPR/Cas9 sgRNA On-Target Cleavage Efficiency. <i>Electronics (Switzerland)</i> , 2019 , 8, 1478	2.6	9

132	Computer-assisted frameworks for classification of liver, breast and blood neoplasias via neural networks: A survey based on medical images. <i>Neurocomputing</i> , 2019 , 335, 274-298	5.4	36
131	A model-free technique based on computer vision and sEMG for classification in Parkinson's disease by using computer-assisted handwriting analysis. <i>Pattern Recognition Letters</i> , 2019 , 121, 28-36	4.7	18
130	Computer vision and deep learning techniques for pedestrian detection and tracking: A survey. <i>Neurocomputing</i> , 2018 , 300, 17-33	5.4	197
129	Artificial Neural Network Analysis and ERP in Intimate Partner Violence. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 247-257	0.5	
128	Smell and Meaning: An OERP Study. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 289-300	0.5	3
127	A RGB-D Sensor Based Tool for Assessment and Rating of Movement Disorders. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 110-118	0.4	7
126	A Comprehensive Approach for Physical Rehabilitation Assessment in Multiple Sclerosis Patients Based on Gait Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 119-128	0.4	3
125	A Wearable Device Supporting Multiple Touch- and Gesture-Based Languages for the Deaf-Blind. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 32-41	0.4	6
124	A Computational Approach to the Design of Scaffolds for Bone Tissue Engineering. <i>Lecture Notes in Bioengineering</i> , 2018 , 111-117	0.8	2
123	Recognition and Severity Rating of Parkinson's Disease from Postural and Kinematic Features During Gait Analysis with Microsoft Kinect. <i>Lecture Notes in Computer Science</i> , 2018 , 613-618	0.9	2
122	Rhino-Cyt: A System for Supporting the Rhinologist in the Analysis of Nasal Cytology. <i>Lecture Notes in Computer Science</i> , 2018 , 619-630	0.9	16
121	A Deep Learning Approach for the Automatic Detection and Segmentation in Autosomal Dominant Polycystic Kidney Disease Based on Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , 2018 , 643-649	0.9	7
120	A Model-Free Computer-Assisted Handwriting Analysis Exploiting Optimal Topology ANNs on Biometric Signals in Parkinson's Disease Research. <i>Lecture Notes in Computer Science</i> , 2018 , 650-655	0.9	4
119	Assessment and Rating of Movement Impairment in Parkinson's Disease Using a Low-Cost Vision-Based System. <i>Lecture Notes in Computer Science</i> , 2018 , 777-788	0.9	6
118	Enabling Touch-Based Communication in Wearable Devices for People with Sensory and Multisensory Impairments. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 149-159	0.4	2
117	Pattern Recognition and Mixed Reality for Computer-Aided Maxillofacial Surgery and Oncological Assessment 2018 ,		8
116	Guest Editorial for Special Section on the 12th International Conference on Intelligent Computing (ICIC). <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018 , 15, 1433-1435	3	
115	A Supervised Approach to Classify the Status of Bone Mineral Density in Post-Menopausal Women through Static and Dynamic Baropodometry 2018 ,		5

114	A comparison between ANN and SVM classifiers for Parkinson's disease by using a model-free computer-assisted handwriting analysis based on biometric signals 2018 ,		6
113	A Linear Approach to Optimize an EMG-Driven Neuromusculoskeletal Model for Movement Intention Detection in Myo-Control: A Case Study on Shoulder and Elbow Joints. <i>Frontiers in Neurorobotics</i> , 2018 , 12, 74	3.4	28
112	Real time RULA assessment using Kinect v2 sensor. <i>Applied Ergonomics</i> , 2017 , 65, 481-491	4.2	94
111	Photogrammetric Meshes and 3D Points Cloud Reconstruction: A Genetic Algorithm Optimization Procedure. <i>Communications in Computer and Information Science</i> , 2017 , 65-76	0.3	3
110	An innovative neural network framework to classify blood vessels and tubules based on Haralick features evaluated in histological images of kidney biopsy. <i>Neurocomputing</i> , 2017 , 228, 143-153	5.4	23
109	A Deep Learning Approach for Hepatocellular Carcinoma Grading. <i>International Journal of Computer Vision and Image Processing</i> , 2017 , 7, 1-18	0.7	5
108	Optimal Classifier of Parkinson's Disease based on features selected by Information Gain in 3D Gait Analysis for Differential Diagnosis. <i>Gait and Posture</i> , 2017 , 57, 205-206	2.6	1
107	Experiencing the Sights, Smells, Sounds, and Climate of Southern Italy in VR. <i>IEEE Computer Graphics and Applications</i> , 2017 , 37, 19-25	1.7	15
106	Predicting Text Legibility over Textured Digital Backgrounds for a Monocular Optical See-Through Display. <i>Presence: Teleoperators and Virtual Environments</i> , 2017 , 26, 1-15	2.9	1
105	A novel approach for Hepatocellular Carcinoma detection and classification based on triphasic CT Protocol 2017 ,		17
104	Evaluation of a Pose-Shared Synergy-Based Isometric Model for Hand Force Estimation: Towards Myocontrol. <i>Biosystems and Biorobotics</i> , 2017 , 953-958	0.2	11
103	Assessment of Speech Intelligibility in Parkinson's Disease Using a Speech-To-Text System. <i>IEEE Access</i> , 2017 , 5, 22199-22208	3.5	34
102	Guest Editorial for Special Section on the 11th International Conference on Intelligent Computing (ICIC). <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2017 , 14, 1104-1105	3	
101	Face Recognition, Musical Appraisal, and Emotional Crossmodal Bias. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 144	3.5	2
100	A Supervised Breast Lesion Images Classification from Tomosynthesis Technique. <i>Lecture Notes in Computer Science</i> , 2017 , 483-489	0.9	6
99	Computer Vision and EMG-Based Handwriting Analysis for Classification in Parkinson's Disease. <i>Lecture Notes in Computer Science</i> , 2017 , 493-503	0.9	13
98	A Novel Approach in Combination of 3D Gait Analysis Data for Aiding Clinical Decision-Making in Patients with Parkinson's Disease. <i>Lecture Notes in Computer Science</i> , 2017 , 504-514	0.9	8
97	A Computer Aided Ophthalmic Diagnosis System Based on Tomographic Features. <i>Lecture Notes in Computer Science</i> , 2017 , 598-609	0.9	3

96	A Comprehensive Method for Assessing the Blepharospasm Cases Severity. <i>Communications in Computer and Information Science</i> , 2017 , 369-381	0.3	5
95	Synthesis of a Neural Network Classifier for Hepatocellular Carcinoma Grading Based on Triphasic CT Images. <i>Communications in Computer and Information Science</i> , 2017 , 356-368	0.3	3
94	A Computer Vision and Control Algorithm to Follow a Human Target in a Generic Environment Using a Drone. <i>Lecture Notes in Computer Science</i> , 2016 , 192-202	0.9	1
93	Computer Assisted Detection of Breast Lesions in Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , 2016 , 306-316	0.9	4
92	VoxTester, software for digital evaluation of speech changes in Parkinson disease 2016 ,		18
91	Classification of Healthy Subjects and Alzheimer's Disease Patients with Dementia from Cortical Sources of Resting State EEG Rhythms: A Study Using Artificial Neural Networks. <i>Frontiers in Neuroscience</i> , 2016 , 10, 604	5.1	35
90	A Linear Optimization Procedure for an EMG-driven NeuroMusculoSkeletal Model Parameters Adjusting: Validation Through a Myoelectric Exoskeleton Control. <i>Lecture Notes in Computer Science</i> , 2016 , 218-227	0.9	8
89	Classification of Single Normal and Alzheimer's Disease Individuals from Cortical Sources of Resting State EEG Rhythms. <i>Frontiers in Neuroscience</i> , 2016 , 10, 47	5.1	52
88	Testing a novel method for improving wayfinding by means of a P3b Virtual Reality Visual Paradigm in normal aging. <i>SpringerPlus</i> , 2016 , 5, 1297		23
87	Design of a Projective AR Workbench for Manual Working Stations. <i>Lecture Notes in Computer Science</i> , 2016 , 358-367	0.9	9
86	Optimizing Feed-Forward Neural Network Topology by Multi-objective Evolutionary Algorithms: A Comparative Study on Biomedical Datasets. <i>Communications in Computer and Information Science</i> , 2016 , 53-64	0.3	4
85	Design and Development of a Forearm Rehabilitation System Based on an Augmented Reality Serious Game. <i>Communications in Computer and Information Science</i> , 2016 , 127-136	0.3	7
84	An Optimized Feed-forward Artificial Neural Network Topology to Support Radiologists in Breast Lesions Classification 2016 ,		28
83	Adaptive Bi-objective Genetic Programming for Data-Driven System Modeling. <i>Lecture Notes in Computer Science</i> , 2016 , 248-259	0.9	4
82	A novel approach to evaluate blood parameters using computer vision techniques 2016 ,		20
81	A P300 Clustering of Mild Cognitive Impairment Patients Stimulated in an Immersive Virtual Reality Scenario. <i>Lecture Notes in Computer Science</i> , 2015 , 226-236	0.9	4
80	A neuromusculoskeletal model of the human upper limb for a myoelectric exoskeleton control using a reduced number of muscles 2015 ,		13
79	A Computer Vision Method for the Italian Finger Spelling Recognition. <i>Lecture Notes in Computer Science</i> , 2015 , 264-274	0.9	3

78	A supervised CAD to support telemedicine in hematology 2015 ,		10
77	Performance Assessment in Fingerprinting and Multi Component Quantitative NMR Analyses. <i>Analytical Chemistry</i> , 2015 , 87, 6709-17	7.8	41
76	Advanced classification of Alzheimer's disease and healthy subjects based on EEG markers 2015 ,		7
75	Neural Network Classification of Blood Vessels and Tubules Based on Haralick Features Evaluated in Histological Images of Kidney Biopsy. <i>Lecture Notes in Computer Science</i> , 2015 , 759-765	0.9	2
74	An interaction torque control improving human force estimation of the rehab-exos exoskeleton 2014 ,		11
73	Fall detection in indoor environment with kinect sensor 2014 ,		30
72	Artificial neural networks for feedback control of a human elbow hydraulic prosthesis. <i>Neurocomputing</i> , 2014 , 137, 3-11	5.4	8
71	A Multimodal Fingers Classification for General Interactive Surfaces. <i>Lecture Notes in Computer Science</i> , 2014 , 513-521	0.9	1
70	EasyCluster2: an improved tool for clustering and assembling long transcriptome reads. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 15, S7	3.6	3
69	A novel BCI-SSVEP based approach for control of walking in Virtual Environment using a Convolutional Neural Network 2014 ,		26
68	A new tool for gestural action recognition to support decisions in emotional framework 2014 ,		1
67	Real-Time Emotion Recognition: An Improved Hybrid Approach for Classification Performance. <i>Lecture Notes in Computer Science</i> , 2014 , 320-331	0.9	5
66	A Robust Real-Time 3D Tracking Approach for Assisted Object Grasping. <i>Lecture Notes in Computer Science</i> , 2014 , 400-408	0.9	5
65	Evolutionary Design of Synthetic Gene Networks by Means of a Semantic Expert System. <i>Lecture Notes in Computer Science</i> , 2014 , 157-163	0.9	
64	Evaluation of Resonance in Staff Selection through Multimedia Contents. <i>Lecture Notes in Computer Science</i> , 2014 , 185-198	0.9	
63	Scalable high-throughput identification of genetic targets by network filtering. <i>BMC Bioinformatics</i> , 2013 , 14 Suppl 8, S5	3.6	1
62	An Evolutionary Optimization Method for Parameter Search in 3D Points Cloud Reconstruction. <i>Lecture Notes in Computer Science</i> , 2013 , 601-611	0.9	3
61	Three-dimensional virtual colonoscopy for automatic polyps detection by artificial neural network approach: New tests on an enlarged cohort of polyps. <i>Neurocomputing</i> , 2013 , 116, 62-75	5.4	19

60	Asymmetry measurement for vibroactive correction in lower limbs mobility. <i>Computer Science and Information Systems</i> , 2013 , 10, 1387-1406	0.8	2
59	First Progresses in Evaluation of Resonance in Staff Selection through Speech Emotion Recognition. <i>Lecture Notes in Computer Science</i> , 2013 , 658-671	0.9	2
58	Clustering and Assembling Large Transcriptome Datasets by EasyCluster2. <i>Communications in Computer and Information Science</i> , 2013 , 231-236	0.3	1
57	Attention Control during Distance Learning Sessions. <i>Lecture Notes in Computer Science</i> , 2013 , 545-549	0.9	1
56	Comparison of data-merging methods with SVM attribute selection and classification in breast cancer gene expression. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 7, S9	3.6	30
55	Early diagnosis of lung tumors by genetically optimized 3D-metaball malignancy metric 2012 ,		1
54	Strategic design and multi-objective optimisation of distribution networks based on genetic algorithms. <i>International Journal of Computer Integrated Manufacturing</i> , 2012 , 25, 1139-1150	4.3	16
53	3D Virtual Colonoscopy for Polyps Detection by Supervised Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 596-603	0.9	1
52	A Novel Approach to Clustering and Assembly of Large-Scale Roche 454 Transcriptome Data for Gene Validation and Alternative Splicing Analysis. <i>Lecture Notes in Computer Science</i> , 2012 , 641-648	0.9	2
51	An Expert System for an Innovative Discrimination Tool of Commercial Table Grapes. <i>Lecture Notes in Computer Science</i> , 2012 , 95-102	0.9	4
50	Using Artificial Neural Networks for Closed Loop Control of a Hydraulic Prosthesis for a Human Elbow. <i>Communications in Computer and Information Science</i> , 2012 , 475-480	0.3	
49	Comparison of Data-Merging Methods with SVM Attribute Selection and Classification in Breast Cancer Gene Expression. <i>Lecture Notes in Computer Science</i> , 2012 , 498-507	0.9	4
48	A Multi-objective Genetic Optimization Technique for the Strategic Design of Distribution Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 243-250	0.9	
47	Efficient Mode of Action Identification by Support Vector Machine Regression. <i>Communications in Computer and Information Science</i> , 2012 , 191-196	0.3	
46	A Novel Multi Objective Genetic Algorithm for the Portfolio Optimization. <i>Lecture Notes in Computer Science</i> , 2011 , 186-193	0.9	7
45	Determining and interpreting new predictive rules for breast cancer familial inheritance. <i>OMICS A Journal of Integrative Biology</i> , 2011 , 15, 125-31	3.8	1
44	A 3D virtual colonoscopy computer aided measurements: A new framework 2011 ,		2
43	Wearable rumble device for active asymmetry measurement and correction in lower limb mobility 2011 ,		3

42	A new tool to support diagnosis of neurological disorders by means of facial expressions 2011 ,		24
41	An Artificial Neural Network Model to Forecast Exchange Rates. <i>Journal of Intelligent Learning Systems and Applications</i> , 2011 , 03, 57-69	0.7	25
40	A Semantic Search Framework for Document Retrievals (Literature, Art and History) Based on Thesaurus Multiwordnet Like. <i>Lecture Notes in Computer Science</i> , 2011 , 456-463	0.9	
39	A Supervised Approach to Support the Analysis and the Classification of Non Verbal Humans Communications. <i>Lecture Notes in Computer Science</i> , 2011 , 426-431	0.9	2
38	3D NOSE FEATURE IDENTIFICATION AND LOCALIZATION THROUGH SELF-ORGANIZING MAP AND GRAPH MATCHING. <i>Journal of Circuits, Systems and Computers</i> , 2010 , 19, 191-202	0.9	4
37	A Novel Tool for Assisted In-silico Cloning and Sequence Editing in Molecular Biology. <i>Communications in Computer and Information Science</i> , 2010 , 239-245	0.3	
36	An Evolutionary Method for Model-Based Automatic Segmentation of Lower Abdomen CT Images for Radiotherapy Planning. <i>Lecture Notes in Computer Science</i> , 2010 , 320-327	0.9	2
35	Atlas-Based Segmentation of Organs at Risk in Radiotherapy in Head MRIs by Means of a Novel Active Contour Framework. <i>Lecture Notes in Computer Science</i> , 2010 , 350-359	0.9	2
34	New Tools for Expression Alternative Splicing Validation. <i>Communications in Computer and Information Science</i> , 2010 , 222-231	0.3	
33	A New Ontological Probabilistic Approach to the Breast Cancer Problem in Semantic Medicine. <i>Lecture Notes in Computer Science</i> , 2010 , 59-68	0.9	
32	Reverse Engineered Gene Networks Reveal Markers Predicting the Outcome of Breast Cancer. <i>Communications in Computer and Information Science</i> , 2010 , 214-221	0.3	
31	Cooperative Inter-Municipal Waste Collection 2010 , 236-252		
30	Induction of Fuzzy Rules by Means of Artificial Immune Systems in Bioinformatics. <i>Studies in Fuzziness and Soft Computing</i> , 2009 , 1-17	0.7	2
29	ON THE COMPARISON OF NN-BASED ARCHITECTURES FOR DIABETIC DAMAGE DETECTION IN RETINAL IMAGES. <i>Journal of Circuits, Systems and Computers</i> , 2009 , 18, 1369-1380	0.9	15
28	3D HEAD POSE NORMALIZATION WITH FACE GEOMETRY ANALYSIS, GENETIC ALGORITHMS AND PCA. <i>Journal of Circuits, Systems and Computers</i> , 2009 , 18, 1425-1439	0.9	8
27	Developing optimal input design strategies in cancer systems biology with applications to microfluidic device engineering. <i>BMC Bioinformatics</i> , 2009 , 10 Suppl 12, S4	3.6	24
26	Experimental Comparison among 3D Innovative Face Recognition Frameworks. <i>Lecture Notes in Computer Science</i> , 2009 , 1096-1105	0.9	1
25	Retinal Vessel Extraction by a Combined Neural Network-Wavelet Enhancement Method. <i>Lecture Notes in Computer Science</i> , 2009 , 1106-1116	0.9	8

24	Image Processing Framework for Virtual Colonoscopy. <i>Lecture Notes in Computer Science</i> , 2009 , 965-974	0.9	3
23	Relevant Measurements for Polyps in 3D Virtual Colonoscopy. <i>Lecture Notes in Computer Science</i> , 2009 , 984-993	0.9	1
22	Combined Use of Densitometry and Morphological Analysis to Detect Flat Polyps. <i>Lecture Notes in Computer Science</i> , 2009 , 975-983	0.9	2
21	Automatic Facial Feature Points Detection. <i>Lecture Notes in Computer Science</i> , 2008 , 1142-1149	0.9	3
20	Identification of tumor evolution patterns by means of inductive logic programming. <i>Genomics, Proteomics and Bioinformatics</i> , 2008 , 6, 91-7	6.5	2
19	Fuzzy rule induction and artificial immune systems in female breast cancer familiarity profiling. <i>International Journal of Hybrid Intelligent Systems</i> , 2008 , 5, 161-165	0.9	4
18	A face recognition system based on Pseudo 2D HMM applied to neural network coefficients. <i>Soft Computing</i> , 2008 , 12, 615-621	3.5	25
17	Artificial Immune Systems in Bioinformatics. <i>Studies in Computational Intelligence</i> , 2008 , 271-295	0.8	
16	High-Throughput Analysis of the Drug Mode of Action of PB28, MC18 and MC70, Three Cyclohexylpiperazine Derivative New Molecules. <i>Lecture Notes in Computer Science</i> , 2008 , 1085-1092	0.9	
15	A Multi-objective Genetic Algorithm Based Approach to the Optimization of Oligonucleotide Microarray Production Process. <i>Lecture Notes in Computer Science</i> , 2008 , 1039-1046	0.9	2
14	Biomedical Text Mining Using a Grid Computing Approach. <i>Lecture Notes in Computer Science</i> , 2008 , 1077-1084	0.9	1
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