Begona Garcia Zapirain

List of Publications by Year
in descending order

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194 papers	5,319 citations	147566 31 h-index	106150 65 g-index
208 all docs	208 docs citations	208 times ranked	6363 citing authors

#	Article	IF	Citations
1	Gait Analysis Methods: An Overview of Wearable and Non-Wearable Systems, Highlighting Clinical Applications. Sensors, 2014, 14, 3362-3394.	2.1	796
2	EEG artifact removalâ€"state-of-the-art and guidelines. Journal of Neural Engineering, 2015, 12, 031001.	1.8	629
3	A Stress Sensor Based on Galvanic Skin Response (GSR) Controlled by ZigBee. Sensors, 2012, 12, 6075-6101.	2.1	230
4	Technologies as Support Tools for Persons with Autistic Spectrum Disorder: A Systematic Review. International Journal of Environmental Research and Public Health, 2014, 11, 7767-7802.	1.2	171
5	Benchmarking Methodology for Selection of Optimal COVID-19 Diagnostic Model Based on Entropy and TOPSIS Methods. IEEE Access, 2020, 8, 99115-99131.	2.6	153
6	Breast Cancer Histopathology Image Classification Using an Ensemble of Deep Learning Models. Sensors, 2020, 20, 4373.	2.1	124
7	Voice Pathology Detection and Classification Using Convolutional Neural Network Model. Applied Sciences (Switzerland), 2020, 10, 3723.	1.3	117
8	Sentiment Classification Using a Single-Layered BiLSTM Model. IEEE Access, 2020, 8, 73992-74001.	2.6	107
9	COVID-CheXNet: hybrid deep learning framework for identifying COVID-19 virus in chest X-rays images. Soft Computing, 2023, 27, 2657-2672.	2.1	102
10	Melanoma diagnosis using deep learning techniques on dermatoscopic images. BMC Medical Imaging, 2021, 21, 6.	1.4	94
11	Efficient Detection of Knee Anterior Cruciate Ligament from Magnetic Resonance Imaging Using Deep Learning Approach. Diagnostics, 2021, 11, 105.	1.3	84
12	COVID-DeepNet: Hybrid Multimodal Deep Learning System for Improving COVID-19 Pneumonia Detection in Chest X-ray Images. Computers, Materials and Continua, 2021, 67, 2409-2429.	1.5	77
13	Melanomas non-invasive diagnosis application based on the ABCD rule and pattern recognition image processing algorithms. Computers in Biology and Medicine, 2011, 41, 742-755.	3.9	69
14	Wireless Body Area Networks: UWB Wearable Textile Antenna for Telemedicine and Mobile Health Systems. Micromachines, 2020, 11, 558.	1.4	68
15	Ensemble Deep Learning Models for Heart Disease Classification: A Case Study from Mexico. Information (Switzerland), 2020, 11, 207.	1.7	64
16	Detection of pigment network in dermoscopy images using supervised machine learning and structural analysis. Computers in Biology and Medicine, 2014, 44, 144-157.	3.9	63
17	Segmentation of skin lesions in dermoscopy images using fuzzy classification of pixels and histogram thresholding. Computer Methods and Programs in Biomedicine, 2019, 168, 11-19.	2.6	63
18	Predictive, Personalized, Preventive and Participatory (4P) Medicine Applied to Telemedicine and eHealth in the Literature. Journal of Medical Systems, 2019, 43, 140.	2.2	60

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19	Tissue classification and segmentation of pressure injuries using convolutional neural networks. Computer Methods and Programs in Biomedicine, 2018, 159, 51-58.	2.6	59
20	Security Recommendations for mHealth Apps: Elaboration of a Developerâ€™s Guide. Journal of Medical Systems, 2016, 40, 152.	2.2	58
21	Assessing Visual Attention Using Eye Tracking Sensors in Intelligent Cognitive Therapies Based on Serious Games. Sensors, 2015, 15, 11092-11117.	2.1	57
22	Internet of Things and Enhanced Living Environments: Measuring and Mapping Air Quality Using Cyber-physical Systems and Mobile Computing Technologies. Sensors, 2020, 20, 720.	2.1	57
23	A Comprehensive Investigation of Machine Learning Feature Extraction and Classification Methods for Automated Diagnosis of COVID-19 Based on X-Ray Images. Computers, Materials and Continua, 2021, 66, 3289-3310.	1.5	55
24	Building bridges for innovation in ageing: Synergies between action groups of the EIP on AHA. Journal of Nutrition, Health and Aging, 2017, 21, 92-104.	1.5	47
25	A Multi-Agent Deep Reinforcement Learning Approach for Enhancement of COVID-19 CT Image Segmentation. Journal of Personalized Medicine, 2022, 12, 309.	1.1	47
26	Detection of Focal and Non-Focal Electroencephalogram Signals Using Fast Walsh-Hadamard Transform and Artificial Neural Network. Sensors, 2020, 20, 4952.	2.1	42
27	Can game-based therapies be trusted? Is game-based education effective? A systematic review of the Serious Games for health and education. , 2011, , .		40
28	Kinect-Based Virtual Game for the Elderly that Detects Incorrect Body Postures in Real Time. Sensors, 2016, 16, 704.	2.1	39
29	Classification of pressure ulcer tissues with 3D convolutional neural network. Medical and Biological Engineering and Computing, 2018, 56, 2245-2258.	1.6	39
30	Automatized colon polyp segmentation via contour region analysis. Computers in Biology and Medicine, 2018, 100, 152-164.	3.9	38
31	Telemedicine and e-Health research solutions in literature for combatting COVID-19: a systematic review. Health and Technology, 2021, 11, 257-266.	2.1	38
32	Serious Game based on first aid education for individuals with Autism Spectrum Disorder (ASD) using android mobile devices. , 2011, , .		37
33	Right fronto-insular white matter tracts link cognitive reserve and pain in migraine patients. Journal of Headache and Pain, 2016, 17, 4.	2.5	36
34	Multi-Agent Systems in Fogâ€“Cloud Computing for Critical Healthcare Task Management Model (CHTM) Used for ECG Monitoring. Sensors, 2021, 21, 6923.	2.1	34
35	Scalable Healthcare Assessment for Diabetic Patients Using Deep Learning on Multiple GPUs. IEEE Transactions on Industrial Informatics, 2019, 15, 5682-5689.	7.2	33
36	Transfer Learning for Alzheimerâ€™s Disease through Neuroimaging Biomarkers: A Systematic Review. Sensors, 2021, 21, 7259.	2.1	33

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37	A MapReduce Opinion Mining for COVID-19-Related Tweets Classification Using Enhanced ID3 Decision Tree Classifier. IEEE Access, 2021, 9, 58706-58739.	2.6	32
38	A Deep Learning-Based Diagnosis System for COVID-19 Detection and Pneumonia Screening Using CT Imaging. Applied Sciences (Switzerland), 2022, 12, 4825.	1.3	32
39	Big Data in Health: a Literature Review from the Year 2005. Journal of Medical Systems, 2016, 40, 209.	2.2	31
40	Is Technology Present in Frailty? Technology a Back-up Tool for Dealing with Frailty in the Elderly: A Systematic Review. , 2017, 8, 2005.		31
41	Automatic COVID-19 Lung Infection Segmentation through Modified Unet Model. Journal of Healthcare Engineering, 2022, 2022, 1-13.	1.1	31
42	Eye/Head Tracking Technology to Improve HCI with iPad Applications. Sensors, 2015, 15, 2244-2264.	2.1	30
43	A New Multi-Agent Feature Wrapper Machine Learning Approach for Heart Disease Diagnosis. Computers, Materials and Continua, 2021, 67, 51-71.	1.5	30
44	An iPad-Based Tool for Improving the Skills of Children with Attention Deficit Disorder. International Journal of Environmental Research and Public Health, 2015, 12, 6261-6280.	1.2	28
45	Kudoâ€™s Classification for Colon Polyps Assessment Using a Deep Learning Approach. Applied Sciences (Switzerland), 2020, 10, 501.	1.3	27
46	Comparison of background EEG activity of different groups of patients with idiopathic epilepsy using Shannon spectral entropy and cluster-based permutation statistical testing. PLoS ONE, 2017, 12, e0184044.	1.1	27
47	Computer game to learn and enhance speech problems for children with autism. , 2011, , .		26
48	Dyslexia detection using 3D convolutional neural networks and functional magnetic resonance imaging. Computer Methods and Programs in Biomedicine, 2020, 197, 105726.	2.6	26
49	Towards Mobile Edge Computing: Taxonomy, Challenges, Applications and Future Realms. IEEE Access, 2020, 8, 189129-189162.	2.6	26
50	The Impact of COVID 19 on University Staff and Students from Iberoamerica: Online Learning and Teaching Experience. International Journal of Environmental Research and Public Health, 2021, 18, 5820.	1.2	26
51	A Robot-Based Tool for Physical and Cognitive Rehabilitation of Elderly People Using Biofeedback. International Journal of Environmental Research and Public Health, 2016, 13, 1176.	1.2	25
52	Variational Quantum Classifier for Binary Classification: Real vs Synthetic Dataset. IEEE Access, 2022, 10, 3705-3715.	2.6	25
53	KiMentia: Kinect based tool to help cognitive stimulation for individuals with dementia. , 2012, , .		24
54	Elderly user experience to improve a Kinect-based game playability. Behaviour and Information Technology, 2015, 34, 1040-1051.	2.5	24

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55	A New mHealth App for Monitoring and Awareness of Healthy Eating: Development and User Evaluation by Spanish Users. Journal of Medical Systems, 2017, 41, 109.	2.2	24
56	Adaptive Tele-Therapies Based on Serious Games for Health for People with Time-Management and Organisational Problems: Preliminary Results. International Journal of Environmental Research and Public Health, 2014, 11, 749-772.	1.2	23
57	Dual System for Enhancing Cognitive Abilities of Children with ADHD Using Leap Motion and eye-Tracking Technologies. Journal of Medical Systems, 2017, 41, 111.	2.2	23
58	FRED: Exergame to Prevent Dependence and Functional Deterioration Associated with Ageing. A Pilot Three-Week Randomized Controlled Clinical Trial. International Journal of Environmental Research and Public Health, 2017, 14, 1439.	1.2	23
59	Automated Knee MR Images Segmentation of Anterior Cruciate Ligament Tears. Sensors, 2022, 22, 1552.	2.1	23
60	Monitoring and Follow-up of Chronic Heart Failure: a Literature Review of eHealth Applications and Systems. Journal of Medical Systems, 2016, 40, 179.	2.2	21
61	Integrating 3D Model Representation for an Accurate Non-Invasive Assessment of Pressure Injuries with Deep Learning. Sensors, 2020, 20, 2933.	2.1	21
62	Sentence-Level Classification Using Parallel Fuzzy Deep Learning Classifier. IEEE Access, 2021, 9, 17943-17985.	2.6	21
63	Managing and Controlling Stress Using mHealth: Systematic Search in App Stores. JMIR MHealth and UHealth, 2018, 6, e111.	1.8	21
64	A Telemonitoring Tool based on Serious Games Addressing Money Management Skills for People with Intellectual Disability. International Journal of Environmental Research and Public Health, 2014, 11, 2361-2380.	1.2	20
65	Energy-Aware and Reliability-Based Localization-Free Cooperative Acoustic Wireless Sensor Networks. IEEE Access, 2020, 8, 121366-121384.	2.6	20
66	Mobile Health Apps for Medical Emergencies: Systematic Review. JMIR MHealth and UHealth, 2020, 8, e18513.	1.8	20
67	Algorithms Based on CWT and Classifiers to Control Cardiac Alterations and Stress Using an ECG and a SCR. Sensors, 2013, 13, 6141-6170.	2.1	19
68	Automated framework for accurate segmentation of pressure ulcer images. Computers in Biology and Medicine, 2017, 90, 137-145.	3.9	18
69	Fully Automatic Segmentation of Gynaecological Abnormality Using a New Viola-Jones Model. Computers, Materials and Continua, 2021, 66, 3161-3182.	1.5	18
70	Breast Lesions Detection and Classification via YOLO-Based Fusion Models. Computers, Materials and Continua, 2021, 69, 1407-1425.	1.5	18
71	Tennis computer game with brain control using EEG signals. , 2011, , .		17
72	Wireless Prototype Based on Pressure and Bending Sensors for Measuring Gate Quality. Sensors, 2013, 13, 9679-9703.	2.1	16

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73	Pressure ulcer image segmentation technique through synthetic frequencies generation and contrast variation using toroidal geometry. BioMedical Engineering OnLine, 2017, 16, 4.	1.3	16
74	Annotation Technique for Health-Related Tweets Sentiment Analysis. , 2018, , .		15
75	A Novel Fuzzy Parameterized Fuzzy Hypersoft Set and Riesz Summability Approach Based Decision Support System for Diagnosis of Heart Diseases. Diagnostics, 2022, 12, 1546.	1.3	15
76	Automated Detection of Melanoma in Dermoscopic Images. Series in Bioengineering, 2014, , 139-192.	0.3	14
77	Game Design to Measure Reflexes and Attention Based on Biofeedback Multi-Sensor Interaction. Sensors, 2015, 15, 6520-6548.	2.1	14
78	Blue-white veil and dark-red patch of pigment pattern recognition in dermoscopic images using machine-learning techniques. , 2011, , .		13
79	Recognition of pigment network pattern in dermoscopy images based on fuzzy classification of pixels. Computer Methods and Programs in Biomedicine, 2018, 153, 61-69.	2.6	12
80	Tissues Classification for Pressure Ulcer Images Based on 3D Convolutional Neural Network. , 2018, , .		12
81	Predicting Physical Exercise Adherence in Fitness Apps Using a Deep Learning Approach. International Journal of Environmental Research and Public Health, 2021, 18, 10769.	1.2	12
82	Automatic segmentation and melanoma detection based on color and texture features in dermoscopic images. Skin Research and Technology, 2022, 28, 203-211.	0.8	12
83	Dyslexia diagnosis in reading stage though the use of games at school. , 2012, , .		11
84	Memory and accurate processing brain rehabilitation for the elderly: LEGO robot and iPad case study. Bio-Medical Materials and Engineering, 2014, 24, 3549-3556.	0.4	11
85	A Systematic Review of Security Mechanisms for Big Data in Health and New Alternatives for Hospitals. Wireless Communications and Mobile Computing, 2017, 2017, 1-6.	0.8	11
86	Evaluation of Prevalence of the Sarcopenia Level Using Machine Learning Techniques: Case Study in Tijuana Baja California, Mexico. International Journal of Environmental Research and Public Health, 2020, 17, 1917.	1.2	11
87	Electronic Health Use in the European Union and the Effect of Multimorbidity: Cross-Sectional Survey. Journal of Medical Internet Research, 2018, 20, e165.	2.1	11
88	Kinect-based virtual game for motor and cognitive rehabilitation: A pilot study for older adults. , 2014, , .		11
89	Early detection and classification of abnormality in prior mammograms using image-to-image translation and YOLO techniques. Computer Methods and Programs in Biomedicine, 2022, 221, 106884.	2.6	11
90	Fully Homomorphic Enabled Secure Task Offloading and Scheduling System for Transport Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 12140-12153.	3.9	11

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91	Reading networks in children with dyslexia compared to children with ocular motility disturbances revealed by fMRI. Frontiers in Human Neuroscience, 2014, 8, 936.	1.0	10
92	Caregiver and social assistant robot for rehabilitation and coaching for the elderly. Technology and Health Care, 2015, 23, 351-357.	0.5	10
93	Executive Functioning in Adults with Down Syndrome: Machine-Learning-Based Prediction of Inhibitory Capacity. International Journal of Environmental Research and Public Health, 2021, 18, 10785.	1.2	10
94	Automatic classification of dyslexic children by applying machine learning to fMRI images. Bio-Medical Materials and Engineering, 2014, 24, 2995-3002.	0.4	9
95	Primary Prevention of Asymptomatic Cardiovascular Disease Using Physiological Sensors Connected to an iOS App. Journal of Medical Systems, 2017, 41, 191.	2.2	9
96	Frailty Level Monitoring and Analysis after a Pilot Six-Week Randomized Controlled Clinical Trial Using the FRED Exergame Including Biofeedback Supervision in an Elderly Day Care Centre. International Journal of Environmental Research and Public Health, 2019, 16, 729.	1.2	9
97	Adaptive Cognitive Rehabilitation Interventions based on Serious Games for Children with ADHD using Biofeedback Techniques: Assessment and Evaluation. , 2014, , .		9
98	Machine learning applied to diabetes dataset using Quantum versus Classical computation. , 2020, , .		9
99	A Comparative Study between Scanning Devices for 3D Printing of Personalized Ostomy Patches. Sensors, 2022, 22, 560.	2.1	9
100	Autism Spectrum Disorder children interaction skills measurement using computer games. , 2013, , .		8
101	Subband modulator Kalman filtering for single channel speech enhancement. , 2013, , .		8
102	Technological solution for determining gait parameters using pressure sensors: A case study of multiple sclerosis patients. Bio-Medical Materials and Engineering, 2014, 24, 3511-3522.	0.4	8
103	Innovative Artificial Intelligence Approach for Hearing-Loss Symptoms Identification Model Using Machine Learning Techniques. Sustainability, 2021, 13, 5406.	1.6	8
104	Sentiment Analysis Techniques Applied to Raw-Text Data from a Csq-8 Questionnaire about Mindfulness in Times of COVID-19 to Improve Strategy Generation. International Journal of Environmental Research and Public Health, 2021, 18, 6408.	1.2	8
105	Psycho-stimulation for elderly people using puzzle game. , 2010, , .		7
106	Serious games and Health Informatics: A unified framework. , 2012, , .		7
107	Development, Technical, and User Evaluation of a Web Mobile Application for Self-Control of Diabetes. Telemedicine Journal and E-Health, 2016, 22, 778-785.	1.6	7
108	Efficient use of mobile devices for quantification of pressure injury images. Technology and Health Care, 2018, 26, 269-280.	0.5	7

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109	Automatic Classification of Sarcopenia Level in Older Adults: A Case Study at Tijuana General Hospital. International Journal of Environmental Research and Public Health, 2019, 16, 3275.	1.2	7
110	Deep Learning Models for Colorectal Polyps. Information (Switzerland), 2021, 12, 245.	1.7	7
111	Management Platform to Support Intellectually Disabled People Daily Tasks Using Android Smartphones. Advances in Intelligent and Soft Computing, 2012, , 119-128.	0.2	7
112	Helping children with Intellectual Disability to understand healthy eating habits with an IPad based serious game. , 2013, , .		6
113	Use of a Time-of-Flight Camera With an Omek Beckonâ„¢ Framework to Analyze, Evaluate and Correct in Real Time the Verticality of Multiple Sclerosis Patients during Exercise. International Journal of Environmental Research and Public Health, 2013, 10, 5807-5829.	1.2	6
114	Cognitive rehabilitation based on working brain reflexes using computer games over iPad. , 2014, , .		6
115	Proposing Telecardiology Services on Cloud for Different Medical Institutions: A Model of Reference. Telemedicine Journal and E-Health, 2017, 23, 654-661.	1.6	6
116	Diabetes Type 2: Poincarï¿½Data Preprocessing for Quantum Machine Learning. Computers, Materials and Continua, 2021, 67, 1849-1861.	1.5	6
117	Biofeedback Applied to Interactive Serious Games to Monitor Frailty in an Elderly Population. Applied Sciences (Switzerland), 2021, 11, 3502.	1.3	6
118	Improvement in Cognitive Therapies Aimed at the Elderly Using a Mixed-Reality Tool Based on Tangram Game. Communications in Computer and Information Science, 2012, , 68-75.	0.4	6
119	Secure Cloud-Based Solutions for Different eHealth Services in Spanish Rural Health Centers. Journal of Medical Internet Research, 2015, 17, e157.	2.1	6
120	Activating Technology for Connected Health in Cancer: Protocol for a Research and Training Program. JMIR Research Protocols, 2018, 7, e14.	0.5	6
121	Are AI systems biased against the poor? A machine learning analysis using Word2Vec and GloVe embeddings. AI and Society, 0, , .	3.1	6
122	New approach for oesophageal speech enhancement. , 2010, , .		5
123	Detection of Volatile Compounds Emitted by Bacteria in Wounds Using Gas Sensors. Sensors, 2019, 19, 1523.	2.1	5
124	Electroencephalography Mu Rhythm Suppression Analysis During Observation-Execution Tasks in Children with Attention-Deficit/ Hyperactivity Disorder. Journal of Medical Imaging and Health Informatics, 2017, 7, 1005-1012.	0.2	5
125	Skin cancer parameterisation algorithm based on epiluminiscence image processing. , 2009, , .		4
126	Estimating the time-varying periodicity of epileptiform discharges in the electroencephalogram. , 2012, , .		4

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127	A computationally efficient BiLSTM based approach for the binary sentiment classification. , 2019, , .		4
128	Analysis of the Effects of Lockdown on Staff and Students at Universities in Spain and Colombia Using Natural Language Processing Techniques. International Journal of Environmental Research and Public Health, 2022, 19, 5705.	1.2	4
129	Accessible schematics content descriptors using image processing techniques for blind students learning. , 2010, , .		3
130	Adaptive Gain Equalizer for improvement of esophageal speech. , 2012, , .		3
131	Diagnosis of the attention deficit disorder using ‘D2’ and ‘Symbols Search’ tests through a game-based tool. , 2012, , .		3
132	Serious games to promote independent living for intellectually disabled people: Starting with shopping. , 2014, , .		3
133	Mobile NBM - android medical mobile application designed to help in learning how to identify the different regions of interest in the brainâ€™s white matter. BMC Medical Education, 2014, 14, 148.	1.0	3
134	Graph theory for feature extraction and classification: A migraine pathology case study. Bio-Medical Materials and Engineering, 2014, 24, 2979-2986.	0.4	3
135	Comprehensive verticality analysis and web-based rehabilitation system for people with multiple sclerosis with supervised medical monitoring. Bio-Medical Materials and Engineering, 2014, 24, 3493-3502.	0.4	3
136	Hypopigmentation Pattern Recognition in Dermoscopy Images for Melanoma Detection. Journal of Medical Imaging and Health Informatics, 2015, 5, 1875-1879.	0.2	3
137	Wearable sensor-based system to promote physical activity among elderly people. , 2015, , .		3
138	Simulation and development of a system for the analysis of pressure ulcers. , 2017, , .		3
139	An Automated Classification Framework for Pressure Ulcer Tissues Based on 3D Convolutional Neural Network. , 2018, , .		3
140	Parameters of tongue shape of /<tt>n</tt>/ and /<tt>l</tt>/ in Basque. Journal of the International Phonetic Association, 2019, 49, 207-221.	0.6	3
141	Social Impact Assessment of HealthyAIR Tool for Real-Time Detection of Pollution Risk. Sustainability, 2020, 12, 9856.	1.6	3
142	Deep Learning Techniques Applied to Predict and Measure Finger Movement in Patients with Multiple Sclerosis. Applied Sciences (Switzerland), 2021, 11, 3137.	1.3	3
143	Telerehabilitation Web Application for Health Care Professionals And Adults With Multiple Sclerosis. , 2014, , .		3
144	Analysis of Security in Big Data Related to Healthcare. Digital Forensics, Security and Law Journal, 0, , .	0.0	3

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145	Design and development of an m-health multi-conference and multi-platform application. , 2012, , .		2
146	Modulation frequency domain adaptive gain equalizer using convex optimization. , 2012, , .		2
147	Optimal subband Kalman filter for normal and oesophageal speech enhancement. Bio-Medical Materials and Engineering, 2014, 24, 3569-3578.	0.4	2
148	Guided crossword-puzzle games aimed at children with Attentional Deficit: Preliminary results. , 2014, , .		2
149	Vocal folds morphological pathologies detection using Gabor filtering and Principal Component Analysis. Technology and Health Care, 2015, 23, 591-604.	0.5	2
150	Where do they look at? Analysis of gaze interaction in children while playing a puzzle game. , 2015, , .		2
151	Reviewing Mobile Apps to Control Heart Rate in Literature and Virtual Stores. Journal of Medical Systems, 2019, 43, 80.	2.2	2
152	Feature analysis and prediction of complications in ostomy patients based on laboratory analytical data using a machine learning approach. , 2021, , .		2
153	Computed Tomography CAD system for monitoring and modeling the evolution of lung cancer nodule. , 2011, , .		1
154	Vocal folds paralysis clasiffication using FLDA and PCA algorithms suported by an adapted block matching algorithm. , 2012, , .		1
155	Computer aided tool for diagnosis of ENT pathologies using digital signal processing of speech and stroboscopic images. SpringerPlus, 2012, 1, 64.	1.2	1
156	Patient prognosis based on feature extraction, selection and classification of EEG periodic activity. Bio-Medical Materials and Engineering, 2015, 26, S1569-S1578.	0.4	1
157	Harmonic to noise ratio improvement in oesophageal speech. Technology and Health Care, 2015, 23, 359-368.	0.5	1
158	Enhancement of Spanish Oesophageal Speech vowels using coherent subband modulator Kalman filtering. Technology and Health Care, 2016, 24, 201-213.	0.5	1
159	Differences in effective connectivity between children with dyslexia, monocular vision and typically developing readers: A DTI study. Biomedical Signal Processing and Control, 2016, 23, 19-27.	3.5	1
160	Definition of requirements for accessing multilingual information opinions. Multimedia Tools and Applications, 2018, 77, 8359-8374.	2.6	1
161	Developing a smart 3D printed canine orthosis. , 2019, , .		1
162	Factors Influencing Care Pathways for Breast and Prostate Cancer in a Hospital Setting. International Journal of Environmental Research and Public Health, 2021, 18, 7913.	1.2	1

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163	Supporting Elderly PeopleÂ´s Cognitive Rehabilitation with IPad based Serious Games. , 2014, , .		1
164	Review and New Proposals for Zigbee Applications in Healthcare and Home Automation. Lecture Notes in Computer Science, 2011, , 101-108.	1.0	1
165	Independent Living Support for Disabled and Elderly People using Cell Phones. , 2013, , 379-397.		1
166	Flowchart content descriptor for visually disabled people. , 2009, , .		0
167	Wavelet Transform for the analysis of EEG signals in patients with oral communications problems. , 2011, , .		0
168	Vocal folds paralysis detection using an adapted block matching algorithm. , 2011, , .		0
169	Quantifying parameters of a source-filter model for oesophageal speech. , 2011, , .		0
170	Enhancing Communication Theory Learning in the European Higher Education Area. International Journal of Electrical Engineering and Education, 2012, 49, 114-126.	0.4	0
171	Innovative system for cognitive brain enhancement and language disorders treatment using a virtual reality environment. , 2012, , .		0
172	Kalman filter predictions applied to glottal closure instant detection. , 2013, , .		0
173	Esophageal Speech enhancement using modified voicing source. , 2013, , .		0
174	Enhancement of Shimmer in oesophageal speech using different wavelets. , 2013, , .		0
175	IEEE ISSPIT 2013: Message from the TPC chairs. , 2013, , .		0
176	Shoe-integrated sensors in physical rehabilitation. Bio-Medical Materials and Engineering, 2014, 24, 3523-3528.	0.4	0
177	Sondric: Image processing algorithm for the automatic calculation of the length and type of a nasogastric tube for medication or feeding. , 2015, , .		0
178	SimSiVIDS: Modelling of an Inductive Sensor for Traffic Applications. , 2015, , .		0
179	Analysis of the sleep quality of elderly people using biomedical signals. Bio-Medical Materials and Engineering, 2015, 26, S1077-S1085.	0.4	0
180	Morphological Analysis of Pressure Injury Images. , 2018, , .		0

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181	Stress Telecare Using a Smart Device Controller. Lecture Notes in Computer Science, 2011, , 192-200.	1.0	0
182	Oesophageal Voice Harmonic to Noise Ratio Enhancement over UMTS Networks Using Kalman-EM. Lecture Notes in Computer Science, 2011, , 265-272.	1.0	0
183	Quantitative Study and Monitoring of the Growth of Lung Cancer Nodule Using an X-Ray Computed Tomography Image Processing Tool. Lecture Notes in Computer Science, 2011, , 74-82.	1.0	0
184	FLDA and PCA Classification Supported by an Adapted Block Matching Algorithm to Diagnose Vocal Folds Paralysis. , 2012, , .		0
185	emHEALTH: Online-Platform with Telecare Services to Promote Healthy Lifestyle for People with Multiple Sclerosis. Lecture Notes in Computer Science, 2012, , 111-114.	1.0	0
186	Using Serious Games in Dyslexia Treatment. , 2013, , .		0
187	Natural or Tangible User Interface: Measuring the Elderly User Experience with a Tangram based Tool. , 2013, , .		0
188	Enhancement of Shimmer and HNR in Oesophageal Speech. , 2014, , .		0
189	Depth Images Processing Algorithm to Analyze and Correct in Real Time the Verticality of Multiple Sclerosis Patients during Exercise. , 2014, , .		0
190	Reliability Test for Processing of Magnetic Resonance Images in Resting State Using Graph Theory. Journal of Medical Imaging and Health Informatics, 2016, 6, 1288-1292.	0.2	0
191	AFFECTIVE COMPUTING AND EDUCATION. , 2017, , .		0
192	ASTRONOMICAL TEACHING RESOURCES. , 2018, , .		0
193	ADVANCES IN HUMAN COMPUTER INTERACTION FOR A BETTER QUALITY OF LIFE. , 2018, , .		0
194	hGLUTEN Tool: Measuring Its Social Impact Indicators. International Journal of Environmental Research and Public Health, 2021, 18, 12722.	1.2	0