

# Tapan K Gandhi

## List of Publications by Year in descending order

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55  
papers

1,947  
citations

567281

15  
h-index

361022

35  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced performance of Dark-Nets for brain tumor classification and segmentation using colormap-based superpixel techniques. <i>Machine Learning With Applications</i> , 2022, 7, 100212.	4.4	22
2	Classifier Fusion for Detection of COVID-19 from CT Scans. <i>Circuits, Systems, and Signal Processing</i> , 2022, 41, 3397-3414.	2.0	13
3	Real-Time Automated Epileptic Seizure Detection by Analyzing Time-Varying High Spatial Frequency Oscillations. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-8.	4.7	6
4	Vulnerability of facial attractiveness perception to early and multi-year visual deprivation. <i>Developmental Science</i> , 2022, , .	2.4	0
5	Development of Visual Memory Capacity Following Early-Onset and Extended Blindness. <i>Psychological Science</i> , 2022, 33, 847-858.	3.3	1
6	Higher limbic and basal ganglia volumes in surviving COVID-negative patients and the relations to fatigue. <i>NeuroImage Reports</i> , 2022, 2, 100095.	1.0	12
7	Anatomical harmonics basis based brain source localization with application to epilepsy. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
8	A Model-based dehazing scheme for unmanned aerial vehicle system using radiance boundary constraint and graph model. <i>Journal of Visual Communication and Image Representation</i> , 2021, 74, 102993.	2.8	3
9	A deep learning approach to measure stress level in plants due to Nitrogen deficiency. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108650.	5.0	51
10	Brain Source Localization in Head Harmonics Domain. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	12
11	Deep transfer learning-based automated detection of COVID-19 from lung CT scan slices. <i>Applied Intelligence</i> , 2021, 51, 571-585.	5.3	253
12	Autonomic and Electrophysiological Evidence for Reduced Auditory Habituation in Autism. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 2218-2228.	2.7	11
13	Artificial Intelligence in Epilepsy. <i>Neurology India</i> , 2021, 69, 560.	0.4	12
14	Automated Diagnosis of COVID-19 Using Deep Features and Parameter Free BAT Optimization. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2021, 9, 1-9.	3.7	23
15	3-D Maximum Likelihood Estimation Sample Consensus for Correspondence Grouping in 3-D Plant Point Cloud. , 2021, 5, 1-4.		2
16	Resilience of temporal processing to early and extended visual deprivation. <i>Vision Research</i> , 2021, 186, 80-86.	1.4	7
17	Automated Diagnosis of COVID-19 from CT Scans Based on Concatenation of Mobilenetv2 and ResNet50 Features. <i>Communications in Computer and Information Science</i> , 2021, , 149-160.	0.5	6
18	Intelligent Monitoring of Stress Induced by Water Deficiency in Plants Using Deep Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-13.	4.7	18

#	ARTICLE	IF	CITATIONS
19	Cortical Source Domain Based Motor Imagery and Motor Execution Framework for Enhanced Brain Computer Interface Applications. , 2021, 5, 1-4.		4
20	Classification of patients with tumor using MR FLAIR images. Pattern Recognition Letters, 2020, 139, 112-117.	4.2	18
21	An Improved Air-Light Estimation Scheme for Single Haze Images Using Color Constancy Prior. IEEE Signal Processing Letters, 2020, 27, 1695-1699.	3.6	11
22	Electrical response-based technique for estimation of degree of moisture saturation in cement concrete and mortar in drying and wetting cycle. Construction and Building Materials, 2020, 262, 120855.	7.2	7
23	Transfer Learning Based Brain Tumor Detection and Segmentation using Superpixel Technique. , 2020, , .		27
24	A Quantum-Inspired Self-Supervised Network model for automatic segmentation of brain MR images. Applied Soft Computing Journal, 2020, 93, 106348.	7.2	22
25	Impact of CPAP on LF Power, HF Power and LFâ€“HF Ratio in Patients with Severe OSA During Split Night Study. Sleep and Vigilance, 2020, 4, 23-28.	0.8	0
26	Deep convolutional neural networks with transfer learning for automated brain image classification. Machine Vision and Applications, 2020, 31, 1.	2.7	122
27	Tracking the Transitions of Brain States: An Analytical Approach Using EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1742-1749.	4.9	5
28	Prevalence of foot problems and its related associations in Intellectually Disable (Special Olympic) Indian population. Foot, 2020, 42, 101650.	1.1	0
29	Graph Wavelet-Based Multilevel Graph Coarsening and Its Application in Graph-CNN for Alzheimerâ€™s Disease Detection. IEEE Access, 2020, 8, 60906-60917.	4.2	7
30	Machine learning identifies â€œrsfMRI epilepsy networksâ€“in temporal lobe epilepsy. European Radiology, 2019, 29, 3496-3505.	4.5	33
31	Automated Brain Image Classification Based on VGG-16 and Transfer Learning. , 2019, , .		81
32	Performance Evaluation of 3D Keypoint Detectors and Descriptors for Plants Health Classification. , 2019, , .		6
33	Head Harmonics Based EEG Dipole Source Localization. , 2019, , .		6
34	Selection of optimum frequency bands for detection of epileptiform patterns. Healthcare Technology Letters, 2019, 6, 126-131.	3.3	8
35	White-Matter Plasticity Following Sight-Restoration in Congenitally Blind Patients. Journal of Vision, 2019, 19, 277d.	0.3	1
36	Development of facial expression recognition following extended blindness: The importance of motion. Journal of Vision, 2019, 19, 21a.	0.3	3

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37	Blind navigation using ambient crowd analysis. , 2018, , .		0
38	3D-Printed Sole with Variable Density using Foot Plantar Pressure Measurements. , 2018, , .		2
39	Identifying Gender Specific Interaction Pattern: A Social Network Approach. , 2018, , .		1
40	An Advanced Visibility Restoration Technique for Underwater Images. , 2018, , .		5
41	EEG Dipole Source Localization in Hemispherical Harmonics Domain. , 2018, , .		8
42	A comparative account of modelling seizure detection system using wavelet techniques. International Journal of Systems Science: Operations and Logistics, 2017, 4, 41-52.	3.0	13
43	Multi-sequential MR brain image classification for tumor detection. Journal of Intelligent and Fuzzy Systems, 2017, 32, 3575-3583.	1.4	7
44	Emergence of categorical face perception after extended early-onset blindness. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6139-6143.	7.1	31
45	Isolated word speech recognition using larynx vibrations. , 2017, , .		0
46	Predictive modeling for identifying the human brain developmental stages. , 2017, , .		0
47	Non-invasive wireless EEG monitor. , 2017, , .		0
48	Indexing facial attractiveness and well beings using machine learning. , 2016, , .		2
49	A novel robust diagnostic model to detect seizures in electroencephalography. Expert Systems With Applications, 2016, 56, 116-130.	7.6	162
50	Application of Photoplethysmography for Man- Machine Interface: A Pilot Study. , 2015, , .		0
51	Immediate susceptibility to visual illusions after sight onset. Current Biology, 2015, 25, R358-R359.	3.9	45
52	Autism as a disorder of prediction. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15220-15225.	7.1	396
53	Discrete harmony search based expert model for epileptic seizure detection in electroencephalography. Expert Systems With Applications, 2012, 39, 4055-4062.	7.6	83
54	A comparative study of wavelet families for EEG signal classification. Neurocomputing, 2011, 74, 3051-3057.	5.9	260

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55	Expert model for detection of epileptic activity in EEG signature. Expert Systems With Applications, 2010, 37, 3513-3520.	7.6	118