

Debesh Jha

List of Publications by Year in descending order

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35
papers

2,329
citations

471509
17
h-index

552781
26
g-index

35
all docs

35
docs citations

35
times ranked

823
citing authors

#	ARTICLE	IF	CITATIONS
1	ResUNet++: An Advanced Architecture for Medical Image Segmentation. , 2019, , .		434
2	Kvasir-SEG: A Segmented Polyp Dataset. Lecture Notes in Computer Science, 2020, , 451-462.	1.3	397
3	DoubleU-Net: A Deep Convolutional Neural Network for Medical Image Segmentation. , 2020, , .		286
4	HyperKvasir, a comprehensive multi-class image and video dataset for gastrointestinal endoscopy. Scientific Data, 2020, 7, 283.	5.3	206
5	Real-Time Polyp Detection, Localization and Segmentation in Colonoscopy Using Deep Learning. IEEE Access, 2021, 9, 40496-40510.	4.2	160
6	A Comprehensive Study on Colorectal Polyp Segmentation With ResUNet++, Conditional Random Field and Test-Time Augmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2029-2040.	6.3	137
7	MSRF-Net: A Multi-Scale Residual Fusion Network for Biomedical Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2252-2263.	6.3	118
8	Kvasir-Capsule, a video capsule endoscopy dataset. Scientific Data, 2021, 8, 142.	5.3	86
9	Diagnosis of Alzheimer's Disease Using Dual-Tree Complex Wavelet Transform, PCA, and Feed-Forward Neural Network. Journal of Healthcare Engineering, 2017, 2017, 1-13.	1.9	68
10	FANet: A Feedback Attention Network for Improved Biomedical Image Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9375-9388.	11.3	67
11	DDANet: Dual Decoder Attention Network for Automatic Polyp Segmentation. Lecture Notes in Computer Science, 2021, , 307-314.	1.3	47
12	An Extensive Study on Cross-Dataset Bias and Evaluation Metrics Interpretation for Machine Learning Applied to Gastrointestinal Tract Abnormality Classification. ACM Transactions on Computing for Healthcare, 2020, 1, 1-29.	5.0	43
13	Comparative validation of multi-instance instrument segmentation in endoscopy: Results of the ROBUST-MIS 2019 challenge. Medical Image Analysis, 2021, 70, 101920.	11.6	41
14	Progressively Normalized Self-Attention Network for Video Polyp Segmentation. Lecture Notes in Computer Science, 2021, , 142-152.	1.3	37
15	Alzheimer's Disease Detection Using Extreme Learning Machine, Complex Dual Tree Wavelet Principal Coefficients and Linear Discriminant Analysis. Journal of Medical Imaging and Health Informatics, 2018, 8, 881-890.	0.3	30
16	NanoNet: Real-Time Polyp Segmentation in Video Capsule Endoscopy and Colonoscopy. , 2021, , .		27
17	Kvasir-Instrument: Diagnostic and Therapeutic Tool Segmentation Dataset in Gastrointestinal Endoscopy. Lecture Notes in Computer Science, 2021, , 218-229.	1.3	26
18	Alzheimer's Disease Detection Using Sparse Autoencoder, Scale Conjugate Gradient and Softmax Output Layer with Fine Tuning. International Journal of Machine Learning and Computing, 2017, 7, 13-17.	0.6	22

#	ARTICLE	IF	CITATIONS
19	Meta-learning with implicit gradients in a few-shot setting for medical image segmentation. Computers in Biology and Medicine, 2022, 143, 105227.	7.0	21
20	A comprehensive analysis of classification methods in gastrointestinal endoscopy imaging. Medical Image Analysis, 2021, 70, 102007.	11.6	19
21	The EndoTect 2020 Challenge: Evaluation and Comparison of Classification, Segmentation and Inference Time for Endoscopy. Lecture Notes in Computer Science, 2021, , 263-274.	1.3	13
22	Alzheimer Disease Detection in MRI Using Curvelet Transform with K-NN. The Journal of Korean Institute of Information Technology, 2016, 14, 121.	0.3	11
23	Pathological Brain Detection Using Weiner Filtering, 2D-Discrete Wavelet Transform, Probabilistic PCA, and Random Subspace Ensemble Classifier. Computational Intelligence and Neuroscience, 2017, 2017, 1-11.	1.7	10
24	Exploring Deep Learning Methods for Real-Time Surgical Instrument Segmentation in Laparoscopy. , 2021, , .		6
25	LightLayers: Parameter Efficient Dense and Convolutional Layers for Image Classification. Lecture Notes in Computer Science, 2021, , 285-296.	1.3	4
26	PAANet: Progressive Alternating Attention for Automatic Medical Image Segmentation. , 2021, , .		4
27	P4â€œ95: CONTOURLETâ€œBASED FEATURE EXTRACTION FOR COMPUTERâ€œAIDED CLASSIFICATION OF ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P1473.	0.8	3
28	Brain Image Segmentation Based on Dual-Tree Complex Wavelet Transform and Fuzzy C-Means Clustering Algorithm. Journal of Medical Imaging and Health Informatics, 2018, 8, 1776-1781.	0.3	3
29	[P4â€œ512]: DIAGNOSIS OF ALZHEIMER'S DISEASE USING A MACHINE LEARNING TECHNIQUE. Alzheimer's and Dementia, 2017, 13, P1538.	0.8	1
30	Efficient Cascade Model for Pathological Brain Image Detection by Magnetic Resonance Imaging. Journal of Medical Imaging and Health Informatics, 2017, 7, 1744-1752.	0.3	1
31	Development of an Efficient Cascade Pathological-Brain Detection System using a Median Filter and Quadratic Discriminant Analysis. IEIE Transactions on Smart Processing and Computing, 2018, 7, 140-147.	0.4	1
32	HTAD: A Home-Tasks Activities Dataset with Wrist-Accelerometer and Audio Features. Lecture Notes in Computer Science, 2021, , 196-205.	1.3	0
33	Artificial Intelligence in Medicine. , 2021, , 1-20.		0
34	Artificial Intelligence in Gastroenterology. , 2022, , 1-20.		0
35	Artificial Intelligence in Gastroenterology. , 2022, , 919-938.		0