# Debesh Jha

List of Publications by Year
in descending order



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|---|---|---|---|
| 35 papers | 2,329 citations | 535685<br>17 h-index | 620720<br>26 g-index |
| 35 all docs | 35 docs citations | 35 times ranked | 890 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | FANet: A Feedback Attention Network for Improved Biomedical Image Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9375-9388. | 7.2 | 67 |
| 2 | Artificial Intelligence in Gastroenterology. , 2022, , 1-20. | | 0 |
| 3 | MSRF-Net: A Multi-Scale Residual Fusion Network for Biomedical Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2252-2263. | 3.9 | 118 |
| 4 | Meta-learning with implicit gradients in a few-shot setting for medical image segmentation. Computers in Biology and Medicine, 2022, 143, 105227. | 3.9 | 21 |
| 5 | Artificial Intelligence in Gastroenterology. , 2022, , 919-938. | | 0 |
| 6 | Comparative validation of multi-instance instrument segmentation in endoscopy: Results of the ROBUST-MIS 2019 challenge. Medical Image Analysis, 2021, 70, 101920. | 7.0 | 41 |
| 7 | LightLayers: Parameter Efficient Dense and Convolutional Layers for Image Classification. Lecture Notes in Computer Science, 2021, , 285-296. | 1.0 | 4 |
| 8 | Real-Time Polyp Detection, Localization and Segmentation in Colonoscopy Using Deep Learning. IEEE Access, 2021, 9, 40496-40510. | 2.6 | 160 |
| 9 | HTAD: A Home-Tasks Activities Dataset with Wrist-Accelerometer and Audio Features. Lecture Notes in Computer Science, 2021, , 196-205. | 1.0 | 0 |
| 10 | Kvasir-Instrument: Diagnostic and Therapeutic Tool Segmentation Dataset in Gastrointestinal Endoscopy. Lecture Notes in Computer Science, 2021, , 218-229. | 1.0 | 26 |
| 11 | The EndoTect 2020 Challenge: Evaluation and Comparison of Classification, Segmentation and Inference Time for Endoscopy. Lecture Notes in Computer Science, 2021, , 263-274. | 1.0 | 13 |
| 12 | Artificial Intelligence in Medicine. , 2021, , 1-20. | | 0 |
| 13 | A comprehensive analysis of classification methods in gastrointestinal endoscopy imaging. Medical Image Analysis, 2021, 70, 102007. | 7.0 | 19 |
| 14 | Kvasir-Capsule, a video capsule endoscopy dataset. Scientific Data, 2021, 8, 142. | 2.4 | 86 |
| 15 | NanoNet: Real-Time Polyp Segmentation in Video Capsule Endoscopy and Colonoscopy. , 2021, , . | | 27 |
| 16 | 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. | 3.9 | 137 |
| 17 | Exploring Deep Learning Methods for Real-Time Surgical Instrument Segmentation in Laparoscopy. , 2021, , . | | 6 |
| 18 | Progressively Normalized Self-Attention Network for Video Polyp Segmentation. Lecture Notes in Computer Science, 2021, , 142-152. | 1.0 | 37 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | DDANet: Dual Decoder Attention Network for Automatic Polyp Segmentation. Lecture Notes in Computer Science, 2021, , 307-314. | 1.0 | 47 |
| 20 | PAANet: Progressive Alternating Attention for Automatic Medical Image Segmentation. , 2021, , . | | 4 |
| 21 | HyperKvasir, a comprehensive multi-class image and video dataset for gastrointestinal endoscopy. Scientific Data, 2020, 7, 283. | 2.4 | 206 |
| 22 | DoubleU-Net: A Deep Convolutional Neural Network for Medical Image Segmentation. , 2020, , . | | 286 |
| 23 | Kvasir-SEG: A Segmented Polyp Dataset. Lecture Notes in Computer Science, 2020, , 451-462. | 1.0 | 397 |
| 24 | 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. | 3.3 | 43 |
| 25 | ResUNet++: An Advanced Architecture for Medical Image Segmentation. , 2019, , . | | 434 |
| 26 | P4â€095: CONTOURLETâ€BASED FEATURE EXTRACTION FOR COMPUTERâ€AIDED CLASSIFICATION OF ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P1473. | 0.4 | 3 |
| 27 | 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. | 0.2 | 30 |
| 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. | 0.2 | 3 |
| 29 | 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. | 0.3 | 1 |
| 30 | [P4â€"512]: DIAGNOSIS OF ALZHEIMER's DISEASE USING A MACHINE LEARNING TECHNIQUE. Alzheimer's and Dementia, 2017, 13, P1538. | 0.4 | 1 |
| 31 | 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. | 1.1 | 10 |
| 32 | Diagnosis of Alzheimerâ€™s Disease Using Dual-Tree Complex Wavelet Transform, PCA, and Feed-Forward Neural Network. Journal of Healthcare Engineering, 2017, 2017, 1-13. | 1.1 | 68 |
| 33 | Efficient Cascade Model for Pathological Brain Image Detection by Magnetic Resonance Imaging. Journal of Medical Imaging and Health Informatics, 2017, 7, 1744-1752. | 0.2 | 1 |
| 34 | 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. | 0.8 | 22 |
| 35 | Alzheimer Disease Detection in MRI Using Curvelet Transform with K-NN. The Journal of Korean Institute of Information Technology, 2016, 14, 121. | 0.1 | 11 |