Sanjay Agrawal

List of Publications by Year
in descending order

33 papers	989 citations	566801 15 h-index	476904 29 g-index
35 all docs	35 docs citations	35 times ranked	951 citing authors

#	Article	IF	Citations
1	Tsallis entropy based optimal multilevel thresholding using cuckoo search algorithm. Swarm and Evolutionary Computation, 2013, 11, 16-30.	4.5	212
2	A survey on region based image fusion methods. Information Fusion, 2019, 48, 119-132.	11.7	160
3	Optimal breast cancer classification using Gauss–Newton representation based algorithm. Expert Systems With Applications, 2017, 85, 134-145.	4.4	85
4	State-of-the-Art Methods for Brain Tissue Segmentation: A Review. IEEE Reviews in Biomedical Engineering, 2017, 10, 235-249.	13.1	77
5	A Novel Type-2 Fuzzy *C*-Means Clustering for Brain MR Image Segmentation. IEEE Transactions on Cybernetics, 2021, 51, 3901-3912.	6.2	56
6	Edge magnitude based multilevel thresholding using Cuckoo search technique. Expert Systems With Applications, 2013, 40, 7617-7628.	4.4	51
7	A study on fuzzy clustering for magnetic resonance brain image segmentation using soft computing approaches. Applied Soft Computing Journal, 2014, 24, 522-533.	4.1	44
8	An evolutionary gray gradient algorithm for multilevel thresholding of brain MR images using soft computing techniques. Applied Soft Computing Journal, 2017, 50, 94-108.	4.1	42
9	Nested cross-validation based adaptive sparse representation algorithm and its application to pathological brain classification. Expert Systems With Applications, 2018, 114, 313-321.	4.4	41
10	An evolutionary single Gabor kernel based filter approach to face recognition. Engineering Applications of Artificial Intelligence, 2017, 62, 286-301.	4.3	35
11	An Efficient Algorithm for Gray Level Image Enhancement Using Cuckoo Search. Lecture Notes in Computer Science, 2012, , 82-89.	1.0	28
12	A novel evolutionary rigid body docking algorithm for medical image registration. Swarm and Evolutionary Computation, 2017, 33, 108-118.	4.5	22
13	A Survey on State-of-the-Art Denoising Techniques for Brain Magnetic Resonance Images. IEEE Reviews in Biomedical Engineering, 2022, 15, 184-199.	13.1	22
14	A novel framework for retinal vessel segmentation using optimal improved frangi filter and adaptive weighted spatial FCM. Computers in Biology and Medicine, 2022, 147, 105770.	3.9	21
15	A Novel Diagonal Class Entropy-Based Multilevel Image Thresholding Using Coral Reef Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4688-4696.	5.9	17
16	Differential exponential entropy-based multilevel threshold selection methodology for colour satellite images using equilibrium-cuckoo search optimizer. Engineering Applications of Artificial Intelligence, 2022, 109, 104599.	4.3	15
17	Dominant color component and adaptive whale optimization algorithm for multilevel thresholding of color images. Knowledge-Based Systems, 2022, 240, 108172.	4.0	12
18	Novel fuzzy clustering–based bias field correction technique for brain magnetic resonance images. IET Image Processing, 2020, 14, 1929-1936.	1.4	11

#	Article	IF	Citations
19	A New Hybrid Adaptive Cuckoo Search-Squirrel Search Algorithm for Brain MR Image Analysis. Studies in Computational Intelligence, 2020, , 85-117.	0.7	8
20	A novel evolutionary row class entropy based optimal multi-level thresholding technique for brain MR images. Expert Systems With Applications, 2021, 168, 114426.	4.4	6
21	Visible and infrared image fusion using an efficient adaptive transition region extraction technique. Engineering Science and Technology, an International Journal, 2021, , .	2.0	5
22	A novel automated absolute intensity difference based technique for optimal MR brain image thresholding. Journal of King Saud University - Computer and Information Sciences, 2020, 32, 1045-1054.	2.7	3
23	Data science methodologies in smart healthcare: a review. Health and Technology, 2022, 12, 329-344.	2.1	3
24	A fuzzy C-means clustering approach to HMRF-EM model For MRI brain tissue segmentation. , 2017, , .		2
25	EBFS-ICA: An Efficient Algorithm for CT-MRI Image Fusion. Lecture Notes in Computer Science, 2010, , 351-361.	1.0	2
26	A Novel Hybrid CS-BFO Algorithm for Optimal Multilevel Image Thresholding Using Edge Magnitude Information. , 2016, , 53-85.		1
27	Gauss-Newton Representation Based Algorithm for Magnetic Resonance Brain Image Classification. Advances in Intelligent Systems and Computing, 2018, , 294-304.	0.5	1
28	An efficient multiclass classifier for classification of Alzheimer's disease/mild cognitive impairment/Normal subjects. International Journal of Imaging Systems and Technology, 2022, 32, 629-641.	2.7	1
29	A region based remote sensing image fusion using anisotropic diffusion process. International Journal of Image and Data Fusion, 0, , 1-25.	0.8	1
30	An optimal statistical feature†based transformation function for enhancement of retinal images using adaptive enhanced leader particle swarm optimization. International Journal of Imaging Systems and Technology, 2022, 32, 2163-2183.	2.7	1
31	A novel region†based multimodal image fusion technique using improved dictionary learning. International Journal of Imaging Systems and Technology, 2020, 30, 558-576.	2.7	0
32	A Nonlocal Spatial Coherent Fuzzy C-Means Clustering for Bias Field Correction in Brain MR Images. Communications in Computer and Information Science, 2021, , 270-281.	0.4	0
33	Brain MR Image Segmentation using a Fast Fuzzy Clustering Approach. , 2021, , .		0