Mamta Juneja

List of Publications by Year
in descending order

83 papers	1,303 citations	430874 18 h-index	414414 32 g-index
85 all docs	85 docs citations	85 times ranked	1141 citing authors

#	Article	IF	Citations
1	DC-Gnet for detection of glaucoma in retinal fundus imaging. Machine Vision and Applications, 2020, 31, 1.	2.7	109
2	Mechanical and geometric properties of thermoformed and 3D printed clear dental aligners. American Journal of Orthodontics and Dentofacial Orthopedics, 2019, 156, 694-701.	1.7	107
3	Survey on segmentation and classification approaches of optic cup and optic disc for diagnosis of glaucoma. Biomedical Signal Processing and Control, 2018, 42, 162-189.	5.7	96
4	Automated detection of Glaucoma using deep learning convolution network (G-net). Multimedia Tools and Applications, 2020, 79, 15531-15553.	3.9	65
5	Optic disc and optic cup segmentation from retinal images using hybrid approach. Expert Systems With Applications, 2019, 127, 308-322.	7.6	58
6	Machine Learning: A Review of the Algorithms and Its Applications. Lecture Notes in Electrical Engineering, 2020, , 47-63.	0.4	56
7	Designing of Robust Image Steganography Technique Based on LSB Insertion and Encryption. , 2009, , .		48
8	Accuracy in dental surgical guide fabrication using different 3-D printing techniques. Additive Manufacturing, 2018, 22, 243-255.	3.0	44
9	Steganography and Steganalysis (in digital forensics): a Cybersecurity guide. Multimedia Tools and Applications, 2021, 80, 5723-5771.	3.9	38
10	ColpoNet for automated cervical cancer screening using colposcopy images. Machine Vision and Applications, 2020, 31, 1.	2.7	36
11	Effects of post-curing conditions on mechanical properties of 3D printed clear dental aligners. Rapid Prototyping Journal, 2020, 26, 1337-1344.	3.2	34
12	Mechanical behaviour of 3D printed vs thermoformed clear dental aligner materials under non-linear compressive loading using FEM. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104045.	3.1	33
13	A comprehensive review of denoising techniques for abdominal CT images. Multimedia Tools and Applications, 2018, 77, 22735-22770.	3.9	32
14	A New Approach for Information Security using an Improved Steganography Technique. Journal of Information Processing Systems, 2013, 9, 405-424.	0.9	28
15	Classification of glaucoma using hybrid features with machine learning approaches. Biomedical Signal Processing and Control, 2020, 62, 102137.	5.7	27
16	A robust and imperceptible steganography technique for SD and HD videos. Multimedia Tools and Applications, 2019, 78, 5769-5789.	3.9	26
17	Video Steganography Techniques in Spatial Domainâ€"A Survey. Lecture Notes in Networks and Systems, 2018, , 705-711.	0.7	24
18	A survey on information hiding using video steganography. Artificial Intelligence Review, 2021, 54, 5831-5895.	15.7	23

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19	A Survey of Prostate Segmentation Techniques in Different Imaging Modalities. Current Medical Imaging, 2017, 14, 19-46.	0.8	22
20	A review on Iris Recognition. , 2014, , .		19
21	A survey of denoising techniques for multi-parametric prostate MRI. Multimedia Tools and Applications, 2019, 78, 12689-12722.	3.9	19
22	Clustering Based Approach for Segmentation of Optic Cup and Optic Disc for Detection of Glaucoma. Current Medical Imaging, 2017, 13, 99-105.	0.8	19
23	A hybrid edge-based technique for segmentation of renal lesions in CT images. Multimedia Tools and Applications, 2019, 78, 12917-12937.	3.9	18
24	Denoising of magnetic resonance imaging using Bayes shrinkage based fused wavelet transform and autoencoder based deep learning approach. Biomedical Signal Processing and Control, 2021, 69, 102844.	5.7	18
25	EEG signal based classification before and after combined Yoga and Sudarshan Kriya. Neuroscience Letters, 2019, 707, 134300.	2.1	17
26	Deep learning-based classification network for glaucoma in retinal images. Computers and Electrical Engineering, 2022, 101, 108009.	4.8	17
27	A review on cephalometric landmark detection techniques. Biomedical Signal Processing and Control, 2021, 66, 102486.	5.7	16
28	An analysis of edge based image steganography techniques in spatial domain. , 2014, , .		15
29	An overview of non-invasive imaging modalities for diagnosis of solid and cystic renal lesions. Medical and Biological Engineering and Computing, 2020, 58, 1-24.	2.8	15
30	A Survey of Kidney Segmentation Techniques in CT Images. Current Medical Imaging, 2018, 14, 238-250.	0.8	15
31	Evaluation of orthogonal and biorthogonal wavelets for video steganography. Information Security Journal, 2020, 29, 40-50.	1.9	12
32	3D modelling and printing of craniofacial implant template. Rapid Prototyping Journal, 2019, 25, 397-403.	3.2	11
33	GC-NET for classification of glaucoma in the retinal fundus image. Machine Vision and Applications, 2020, 31, 1.	2.7	10
34	Methodology for Stress Measurement by Transparent Dental Aligners using Strain Gauge. World Journal of Dentistry, 2018, 9, 13-18.	0.3	9
35	Video steganalysis to obstruct criminal activities for digital forensics: a survey. International Journal of Electronic Security and Digital Forensics, 2018, 10, 338.	0.2	8
36	A survey of image data indexing techniques. Artificial Intelligence Review, 2019, 52, 1189-1266.	15.7	8

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37	Particle swarm optimization based segmentation of Cancer in multi-parametric prostate MRI. Multimedia Tools and Applications, 2021, 80, 30557-30580.	3.9	8
38	Computer-aided diagnosis of renal lesions in CT images: A comprehensive survey and future prospects. Computers and Electrical Engineering, 2019, 77, 423-434.	4.8	7
39	Comparison of Different Renal Imaging Modalities: An Overview. Advances in Intelligent Systems and Computing, 2018, , 47-57.	0.6	7
40	A Covert Communication Model-Based on Image Steganography. International Journal of Information Security and Privacy, 2014, 8, 19-37.	0.8	6
41	A secure video steganography scheme using DWT based on object tracking. Information Security Journal, 2022, 31, 196-213.	1.9	6
42	A novel unsupervised multiple feature hashing for image retrieval and indexing (MFHIRI). Journal of Visual Communication and Image Representation, 2022, 84, 103467.	2.8	6
43	Implementation and comparative analysis of rough set, Artificial Neural Network (ANN) and Fuzzy-Rough classifiers for satellite image classification. , 2009, , .		5
44	Diverse feature set based Keyphrase extraction and indexing techniques. Multimedia Tools and Applications, 2021, 80, 4111-4142.	3.9	5
45	Pre-processing of Retinal Images for Removal of Outliers. Wireless Personal Communications, 2021, 116, 739-765.	2.7	5
46	A secure and robust video steganography scheme for covert communication in H.264/AVC. Multimedia Tools and Applications, 2021, 80, 14383-14407.	3.9	5
47	A Novel Approach for Iris Recognition in Unconstrained Environment. Journal of Emerging Technologies in Web Intelligence, 2014, 6, .	0.6	5
48	Denoising of computed tomography using bilateral median based autoencoder network. International Journal of Imaging Systems and Technology, 2022, 32, 935-955.	4.1	5
49	Fused framework for glaucoma diagnosis using Optical Coherence Tomography (OCT) images. Expert Systems With Applications, 2022, 201, 117202.	7.6	5
50	A Novel Approach for Data Hiding in Color Images Using LSB Based Steganography with Improved Capacity and Resistance to Statistical Attacks. Advances in Intelligent Systems and Computing, 2015, , 183-190.	0.6	4
51	A Survey of Different Imaging Modalities for Renal Cancer. Indian Journal of Science and Technology, 2016, 9, .	0.7	4
52	Anatomical Visions of Prostate Cancer in Different Modalities. Indian Journal of Science and Technology, 2016, 9, .	0.7	4
53	A new LSB embedding for 24-bit pixel using multi-layered bitwise XOR. , 2016, , .		4
54	Cancer Detection with Prostate Zonal Segmentationâ€"A Review. Lecture Notes in Networks and Systems, 2018, , 829-835.	0.7	4

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55	A Survey on Computer-Aided Detection Techniques of Prostate Cancer. Advances in Intelligent Systems and Computing, 2018, , 115-125.	0.6	4
56	Survey of Classification Approaches for Glaucoma Diagnosis from Retinal Images. Advances in Intelligent Systems and Computing, 2018, , 91-99.	0.6	4
57	OCLU-NET for occlusal classification of 3D dental models. Machine Vision and Applications, 2020, 31, 1.	2.7	4
58	Survey of denoising and segmentation techniques for MRI images of prostate for improving diagnostic tools in medical applications. Materials Today: Proceedings, 2020, 28, 1667-1672.	1.8	4
59	Rapid prototyping of orthopedic implant materials for cranio-facial reconstruction: A Survey. Materials Today: Proceedings, 2021, 45, 5207-5213.	1.8	4
60	Survey of denoising, segmentation and classification of magnetic resonance imaging for prostate cancer. Multimedia Tools and Applications, 2021, 80, 29199-29249.	3.9	4
61	New Information Hiding Technique using Features of Image. Journal of Emerging Technologies in Web Intelligence, 2014, 6, .	0.6	4
62	Hybrid Edge Detection-Based Image Steganography Technique for Color Images. Advances in Intelligent Systems and Computing, 2015, , 277-280.	0.6	3
63	Analysis of additive manufacturing techniques used for maxillofacial corrective surgeries. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 7864-7875.	2.1	3
64	A Hybrid Approach for Iris Recognition in Unconstrained Environment. Advances in Intelligent Systems and Computing, 2015, , 145-149.	0.6	2
65	A Comparative Analysis of Iris and Palm Print Based Unimodal and Multimodal Biometric Systems. Lecture Notes in Networks and Systems, 2017, , 297-306.	0.7	2
66	Machine learning based quantitative texture analysis of CT images for diagnosis of renal lesions. Biomedical Signal Processing and Control, 2021, 64, 102311.	5.7	2
67	Early-stage prediction of glaucoma disease to reduce surgical requirements using deep-learning. Materials Today: Proceedings, 2021, 45, 5660-5664.	1.8	2
68	Comparative Analysis on Optic Cup and Optic Disc Segmentation for Glaucoma Diagnosis. Smart Innovation, Systems and Technologies, 2016, , 219-223.	0.6	2
69	An empirical comparison of machine learning algorithms for the classification of brain signals to assess the impact of combined yoga and Sudarshan Kriya. Computer Methods in Biomechanics and Biomedical Engineering, 2022, 25, 721-728.	1.6	2
70	PCa€§Net for automated detection of prostate cancer in multiparametricâ€magnetic resonance imaging. International Journal of Imaging Systems and Technology, 0, , .	4.1	2
71	Segmentation Approach for Iris Recognition in Less Constrained Environment. Lecture Notes in Electrical Engineering, 2015, , 481-490.	0.4	1
72	A Novel Approach for Multimodal Biometric System Using Iris and PalmPrint. Advances in Intelligent Systems and Computing, 2018, , 79-88.	0.6	1

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73	Pre-processing of retinal images acquired from digital fundus cameras for improved performance of diagnostic tools in biomedical engineering. Materials Today: Proceedings, 2020, 28, 1525-1529.	1.8	1
74	CoTusk: IoT-Based Tooth Shade Detecting Device. Lecture Notes in Networks and Systems, 2020, , 201-207.	0.7	1
75	Optimizing cranial implant and fixture design using different materials in cranioplasty. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2023, 237, 107-121.	1.1	1
76	Automatic generation of fuzzy rules from data by fuzzy clustering and particle swarm optimization. , 2009, , .		0
77	Local Tetra Pattern-Based Fruit Grading Using Different Classifiers. Advances in Intelligent Systems and Computing, 2018, , 273-284.	0.6	0
78	Efficacy of Softwares for Generation of Dental Aligners. Lecture Notes in Networks and Systems, 2019, , 783-794.	0.7	0
79	Dimensional Accuracy of Surgical Guides Fabricated from Different Materials Using 3D Printer. Lecture Notes in Networks and Systems, 2019, , 805-813.	0.7	0
80	Sparse Code based Indexing for Image Retrieval. , 2021, , .		0
81	Chaotic Pixel Value Differencing. International Journal of Image Graphics and Signal Processing, 2016, 8, 54-60.	1.2	0
82	Craniofacial Model Generation Using CAD/CAM Software. Lecture Notes in Networks and Systems, 2019, , 795-803.	0.7	0
83	Evaluation of Hand Movement Using IoT-Based Goniometric Data Acquisition Glove. Lecture Notes in Networks and Systems, 2020, , 193-200.	0.7	0