Amod Kumar

List of Publications by Year
in descending order

28 papers	378 citations	933447 10 h-index	794594 19 g-index
29 all docs	29 docs citations	29 times ranked	425 citing authors

#	Article	IF	Citations
1	Investigation on nanoparticle distribution for thermal ablation of a tumour subjected to nanoparticle assisted thermal therapy. Journal of Thermal Biology, 2014, 43, 70-80.	2.5	56
2	Role of optical coefficients and healthy tissue-sparing characteristics in gold nanorod-assisted thermal therapy. International Journal of Hyperthermia, 2013, 29, 87-97.	2.5	51
3	A social spider optimized image fusion approach for contrast enhancement and brightness preservation. Applied Soft Computing Journal, 2017, 52, 575-592.	7.2	42
4	Classification of tea grains based upon image texture feature analysis under different illumination conditions. Journal of Food Engineering, 2013, 115, 226-231.	5.2	41
5	The influence of tumour blood perfusion variability on thermal damage during nanoparticle-assisted thermal therapy. International Journal of Hyperthermia, 2015, 31, 615-625.	2.5	26
6	A hybrid particle swarm optimization and artificial immune system algorithm for image enhancement. Soft Computing, 2015, 19, 2101-2109.	3.6	26
7	Significant physical attributes affecting quality of Indian black (CTC) tea. Journal of Food Engineering, 2012, 113, 69-78.	5.2	21
8	Experimental and numerical investigation of heat confinement during nanoparticle-assisted thermal therapy. International Communications in Heat and Mass Transfer, 2015, 69, 11-17.	5.6	21
9	A Machine Vision System for Tool Positioning and Its Verification. Measurement and Control, 2015, 48, 249-260.	1.8	20
10	Electroencephalogram based quantitative estimation of pain for balanced anaesthesia. Measurement: Journal of the International Measurement Confederation, 2015, 59, 296-301.	5.0	10
11	Identification of motion outliers in wrist pulse signal. Computers and Electrical Engineering, 2018, 67, 776-790.	4.8	10
12	Design optimization of minimally invasive surgical robot. Applied Soft Computing Journal, 2015, 32, 241-249.	7.2	9
13	Improved thresholding based on negative selection algorithm (NSA). Evolutionary Intelligence, 2014, 6, 157-170.	3.6	8
14	A Depth of Anaesthesia Index from Linear Regression of Eeg Parameters. Journal of Clinical Monitoring and Computing, 2006, 20, 67-73.	1.6	7
15	Discrimination analysis of Indian tea varieties based upon color under optimum illumination. Journal of Food Measurement and Characterization, 2013, 7, 60-65.	3.2	7
16	Real time estimation and suppression of hand tremor for surgical robotic applications. Microsystem Technologies, 2022, 28, 305-311.	2.0	6
17	Higuchi fractal dimension as a measure of analgesia. International Journal of Medical Engineering and Informatics, 2012, 4, 66.	0.3	4
18	Comparison of Artificial Immune System and Particle Swarm Optimization Techniques for Error Optimization of Machine Vision Based Tool Movements. Journal of the Institution of Engineers (India): Series C, 2015, 96, 363-372.	1.2	3

#	Article	IF	Citations
19	Integrated Speaker and Speech Recognition for Wheel Chair Movement Using Artificial Intelligence. Informatica (Slovenia), 2018, 42, .	0.9	3
20	Implementation of text dependent speaker verification on MATLAB. , 2015, , .		2
21	A Fusion of Cuckoo Search and Multiscale Adaptive Smoothing Based Unsharp Masking for Image Enhancement. International Journal of Applied Metaheuristic Computing, 2019, 10, 151-174.	0.7	2
22	Kinematic control of an articulated minimally invasive surgical robotic arm. , 2016, , .		1
23	Low Area and High Bit Resolution Flash Analog to Digital Converter for Wide Band Applications: A Review. Micro and Nanosystems, 2022, 14, 191-197.	0.6	1
24	Artificial Immune System Based Image Enhancement Technique. Advances in Intelligent Systems and Computing, 2015, , 1-8.	0.6	1
25	Speech Recognition Using Enhanced Features with Deep Belief Network for Real Time Application. Wireless Personal Communications, 2021, 120, 3225.	2.7	0
26	Speech-Based Vehicle Movement Control Solution. Journal of Telecommunications and Information Technology, 2021, 3, 72-77.	0.4	0
27	A prospective study to assess the association between emotion and disease: Wrist Pulse Signals. , 2020, , .		0
28	Low area and high-performance 6-bit MUX based flash ADC for wide band applications. Optical and Quantum Electronics, 2022, 54, 1.	3.3	0