Sunil Kr. Jha

List of Publications by Year
in descending order

59 papers	1,220 citations	471061 17 h-index	395343 33 g-index
59 all docs	59 docs citations	59 times ranked	1419 citing authors

#	Article	IF	Citations
1	Detecting Aligned Double JPEG Compressed Color Image With Same Quantization Matrix Based on the Stability of Image. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4065-4080.	5.6	8
2	SmsNet: A New Deep Convolutional Neural Network Model for Adversarial Example Detection. IEEE Transactions on Multimedia, 2022, 24, 230-244.	5.2	15
3	Identification of discriminating chemical compounds in banana species and their odor characterization using GC–MS, statistical, and clustering analysis. Journal of Food Science and Technology, 2022, 59, 402-408.	1.4	6
4	Enterobacter sp. SWLC2 for biodegradation of chlorpyrifos in the aqueous medium: Modeling of the process using artificial neural network approaches. Computers and Electronics in Agriculture, 2022, 193, 106680.	3.7	7
5	An accurate soft diagnosis method of breast cancer using the operative fusion of derived features and classification approaches. Expert Systems, 2022, 39, .	2.9	2
6	A gradient boosting machine learning approach in modeling the impact of temperature and humidity on the transmission rate of COVID-19 in India. Applied Intelligence, 2021, 51, 2727-2739.	3.3	30
7	Exploring multi-level motivations towards green design practices: A system dynamics approach. Sustainable Cities and Society, 2021, 64, 102490.	5.1	16
8	A hybrid machine learning approach in modeling the impact of chromium concentration in blood and gonads on the concentration of the reproductive hormones of Urva auropunctatus. Measurement: Journal of the International Measurement Confederation, 2021, 174, 109055.	2.5	2
9	Optimization of biotic and abiotic factors liable for biodegradation of chlorpyrifos and their modeling using neural network approaches. Applied Soil Ecology, 2021, 166, 103990.	2.1	11
10	A hybrid machine learning approach of fuzzy-rough-k-nearest neighbor, latent semantic analysis, and ranker search for efficient disease diagnosis. Journal of Intelligent and Fuzzy Systems, 2021, , 1-16.	0.8	3
11	Detecting Double JPEG Compressed Color Images With the Same Quantization Matrix in Spherical Coordinates. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2736-2749.	5.6	39
12	Non-aligned double JPEG compression detection based on refined Markov features in QDCT domain. Journal of Real-Time Image Processing, 2020, 17, 7-16.	2.2	11
13	Toxicity modelling of nanomaterials by origin evaluation of their physicochemical descriptors using a combination of principal component analysis and support vector machine methods. Expert Systems, 2020, 37, e12492.	2.9	3
14	Evaluating toxicity impacts of environmental exposed chromium on small Indian mongoose (Urva) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 259, 127485.	4.2	4
15	Image splicing detection based on convolutional neural network with weight combination strategy. Journal of Information Security and Applications, 2020, 54, 102523.	1.8	18
16	A Robust Watermarking Scheme Based on ROI and IWT for Remote Consultation of COVID-19. Computers, Materials and Continua, 2020, 64, 1435-1452.	1.5	18
17	An Application Review of Artificial Intelligence in Prevention and Cure of COVID-19 Pandemic. Computers, Materials and Continua, 2020, 65, 743-760.	1.5	7
18	Median Filtering Detection Based on Quaternion Convolutional Neural Network. Computers, Materials and Continua, 2020, 65, 929-943.	1.5	2

#	ARTICLE	IF	CITATIONS
19	A Multi-Conditional Proxy Broadcast Re-Encryption Scheme for Sensor Networks. Computers, Materials and Continua, 2020, 65, 2079-2090.	1.5	2
20	Color image-spliced localization based on quaternion principal component analysis and quaternion skewness. Journal of Information Security and Applications, 2019, 47, 353-362.	1.8	1
21	Estimation of realistic renewable and non-renewable energy use targets for livestock production systems utilising an artificial neural network method: A step towards livestock sustainability. Energy, 2019, 183, 191-204.	4.5	88
22	Human health damages related to air pollution in China. Environmental Science and Pollution Research, 2019, 26, 13115-13125.	2.7	96
23	Quaternion Convolutional Neural Network for Color Image Classification and Forensics. IEEE Access, 2019, 7, 20293-20301.	2.6	47
24	A tumour perception system based on a multi-layer mass-spring model. International Journal of Sensor Networks, 2019, 31, 24.	0.2	3
25	Identifying Computer Generated Images Based on Quaternion Central Moments in Color Quaternion Wavelet Domain. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2775-2785.	5.6	55
26	Recognition and sensing of organic compounds using analytical methods, chemical sensors, and pattern recognition approaches. Chemometrics and Intelligent Laboratory Systems, 2019, 185, 18-31.	1.8	35
27	Tracing of Chemical Components of Odor in Peels and Flesh from Ripe Banana on a Daily Basis Using GC-MS Characterization and Statistical Analysis for Quality Monitoring During Storage. Food Analytical Methods, 2019, 12, 947-955.	1.3	8
28	A comprehensive search for expert classification methods in disease diagnosis and prediction. Expert Systems, 2019, 36, e12343.	2.9	26
29	A new method estimating linear gaussian filter kernel by image PRNU noise. Journal of Information Security and Applications, 2019, 44, 1-11.	1.8	9
30	Short-term wind speed prediction at Bogdanci power plant in FYROM using an artificial neural network. International Journal of Sustainable Energy, 2019, 38, 526-541.	1.3	9
31	A novel CALM algorithm in student profiling. Computer Applications in Engineering Education, 2018, 26, 841-851.	2.2	0
32	Fuzzy-genetic approaches for estimation of microbial rock phosphate solubilization in sandy clay loam textured soil. Computers and Electronics in Agriculture, 2018, 150, 125-133.	3.7	9
33	Soil microbial dynamics prediction using machine learning regression methods. Computers and Electronics in Agriculture, 2018, 147, 158-165.	3.7	16
34	Artificial evolution using neuroevolution of augmenting topologies (NEAT) for kinetics study in diverse viscous mediums. Neural Computing and Applications, 2018, 29, 1337-1347.	3.2	1
35	An energy optimization in wireless sensor networks by using genetic algorithm. Telecommunication Systems, 2018, 67, 113-121.	1.6	50
36	Fuzzy inference for soil microbial dynamics modeling in fluctuating ecological situations. Journal of Intelligent and Fuzzy Systems, 2018, 35, 1399-1406.	0.8	4

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37	Decision Stump and StackingC-Based Hybrid Algorithm for Healthcare Data Classification. Lecture Notes in Computer Science, 2018, , 205-216.	1.0	2
38	Multivariate statistical analysis for selecting optimal descriptors in the toxicity modeling of nanomaterials. Computers in Biology and Medicine, 2018, 99, 161-172.	3.9	14
39	A novel parallax engine for animation using hybrid graphics software. Entertainment Computing, 2018, 27, 188-193.	1.8	0
40	Renewable energy: Present research and future scope of Artificial Intelligence. Renewable and Sustainable Energy Reviews, 2017, 77, 297-317.	8.2	216
41	Body odor classification by selecting optimal peaks of chemical compounds in GCâ€"MS spectra using filtering approaches. International Journal of Mass Spectrometry, 2017, 415, 92-102.	0.7	9
42	Characterization of human body odor and identification of aldehydes using chemical sensor. Reviews in Analytical Chemistry, 2017, 36, .	1.5	10
43	Molecular structural discrimination of chemical compounds in body odor using their GCâ€"MS chromatogram and clustering methods. International Journal of Mass Spectrometry, 2017, 423, 1-14.	0.7	9
44	Parallax engine for 2D animation in cinematography. Signal, Image and Video Processing, 2017, 11, 487-491.	1.7	2
45	Machine Intelligence in Signal Sensing, Processing, and Recognition. Journal of Electrical and Computer Engineering, 2017, 2017, 1-2.	0.6	0
46	Discriminative kernel transfer learning via l<inf>2,1</inf>-norm minimization. , 2016, , .		0
47	GCâ€"MS characterization of body odour for identification using artificial neural network classifiers fusion. International Journal of Mass Spectrometry, 2016, 406, 35-47.	0.7	10
48	Estimation of biosurfactant yield produced by Klebseilla sp. FKOD36 bacteria using artificial neural network approach. Measurement: Journal of the International Measurement Confederation, 2016, 81, 163-173.	2.5	32
49	Human body odor discrimination by GC-MS spectra data mining. Analytical Methods, 2015, 7, 9549-9561.	1.3	18
50	A quick responding quartz crystal microbalance sensor array based on molecular imprinted polyacrylic acids coating for selective identification of aldehydes in body odor. Talanta, 2015, 134, 105-119.	2.9	52
51	Polyacrylic acid polymer and aldehydes template molecule based MIPs coated QCM sensors for detection of pattern aldehydes in body odor. Sensors and Actuators B: Chemical, 2015, 206, 471-487.	4.0	42
52	Olfaction-Inspired Sensing Using a Sensor System with Molecular Recognition and Optimal Classification Ability for Comprehensive Detection of Gases. Sensors, 2014, 14, 5221-5238.	2.1	6
53	A novel odor filtering and sensing system combined with regression analysis for chemical vapor quantification. Sensors and Actuators B: Chemical, 2014, 200, 269-287.	4.0	20
54	Optimized KPCA method for chemical vapor class recognition by SAW sensor array response analysis. , 2014, , .		1

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55	Data fusion approach for human body odor discrimination using GC-MS spectra. , 2014, , .		4
56	Molecular imprinted polyacrylic acids based QCM sensor array for recognition of organic acids in body odor. Sensors and Actuators B: Chemical, 2014, 204, 74-87.	4.0	54
57	Power Scaling of Chemiresistive Sensor Array Data for Odor Classification. Journal of Pattern Recognition Research, 2011, 6, 65-74.	0.9	8
58	Quality control of herbal medicines by using spectroscopic techniques and multivariate statistical analysis. Pharmaceutical Biology, 2010, 48, 134-141.	1.3	28
59	Preprocessing of SAW Sensor Array Data and Pattern Recognition. IEEE Sensors Journal, 2009, 9, 1202-1208.	2.4	22