

Sunil Kr. Jha

List of Publications by Year in descending order

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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	Renewable energy: Present research and future scope of Artificial Intelligence. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 297-317.	8.2	216
2	Human health damages related to air pollution in China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13115-13125.	2.7	96
3	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. <i>Energy</i> , 2019, 183, 191-204.	4.5	88
4	Identifying Computer Generated Images Based on Quaternion Central Moments in Color Quaternion Wavelet Domain. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019, 29, 2775-2785.	5.6	55
5	Molecular imprinted polyacrylic acids based QCM sensor array for recognition of organic acids in body odor. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 74-87.	4.0	54
6	A quick responding quartz crystal microbalance sensor array based on molecular imprinted polyacrylic acids coating for selective identification of aldehydes in body odor. <i>Talanta</i> , 2015, 134, 105-119.	2.9	52
7	An energy optimization in wireless sensor networks by using genetic algorithm. <i>Telecommunication Systems</i> , 2018, 67, 113-121.	1.6	50
8	Quaternion Convolutional Neural Network for Color Image Classification and Forensics. <i>IEEE Access</i> , 2019, 7, 20293-20301.	2.6	47
9	Polyacrylic acid polymer and aldehydes template molecule based MIPs coated QCM sensors for detection of pattern aldehydes in body odor. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 471-487.	4.0	42
10	Detecting Double JPEG Compressed Color Images With the Same Quantization Matrix in Spherical Coordinates. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 2736-2749.	5.6	39
11	Recognition and sensing of organic compounds using analytical methods, chemical sensors, and pattern recognition approaches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 185, 18-31.	1.8	35
12	Estimation of biosurfactant yield produced by <i>Klebsiella</i> sp. FKOD36 bacteria using artificial neural network approach. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 81, 163-173.	2.5	32
13	A gradient boosting machine learning approach in modeling the impact of temperature and humidity on the transmission rate of COVID-19 in India. <i>Applied Intelligence</i> , 2021, 51, 2727-2739.	3.3	30
14	Quality control of herbal medicines by using spectroscopic techniques and multivariate statistical analysis. <i>Pharmaceutical Biology</i> , 2010, 48, 134-141.	1.3	28
15	A comprehensive search for expert classification methods in disease diagnosis and prediction. <i>Expert Systems</i> , 2019, 36, e12343.	2.9	26
16	Preprocessing of SAW Sensor Array Data and Pattern Recognition. <i>IEEE Sensors Journal</i> , 2009, 9, 1202-1208.	2.4	22
17	A novel odor filtering and sensing system combined with regression analysis for chemical vapor quantification. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 269-287.	4.0	20
18	Human body odor discrimination by GC-MS spectra data mining. <i>Analytical Methods</i> , 2015, 7, 9549-9561.	1.3	18

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19	Image splicing detection based on convolutional neural network with weight combination strategy. <i>Journal of Information Security and Applications</i> , 2020, 54, 102523.	1.8	18
20	A Robust Watermarking Scheme Based on ROI and IWT for Remote Consultation of COVID-19. <i>Computers, Materials and Continua</i> , 2020, 64, 1435-1452.	1.5	18
21	Soil microbial dynamics prediction using machine learning regression methods. <i>Computers and Electronics in Agriculture</i> , 2018, 147, 158-165.	3.7	16
22	Exploring multi-level motivations towards green design practices: A system dynamics approach. <i>Sustainable Cities and Society</i> , 2021, 64, 102490.	5.1	16
23	SmsNet: A New Deep Convolutional Neural Network Model for Adversarial Example Detection. <i>IEEE Transactions on Multimedia</i> , 2022, 24, 230-244.	5.2	15
24	Multivariate statistical analysis for selecting optimal descriptors in the toxicity modeling of nanomaterials. <i>Computers in Biology and Medicine</i> , 2018, 99, 161-172.	3.9	14
25	Non-aligned double JPEG compression detection based on refined Markov features in QDCT domain. <i>Journal of Real-Time Image Processing</i> , 2020, 17, 7-16.	2.2	11
26	Optimization of biotic and abiotic factors liable for biodegradation of chlorpyrifos and their modeling using neural network approaches. <i>Applied Soil Ecology</i> , 2021, 166, 103990.	2.1	11
27	GC-MS characterization of body odour for identification using artificial neural network classifiers fusion. <i>International Journal of Mass Spectrometry</i> , 2016, 406, 35-47.	0.7	10
28	Characterization of human body odor and identification of aldehydes using chemical sensor. <i>Reviews in Analytical Chemistry</i> , 2017, 36, .	1.5	10
29	Body odor classification by selecting optimal peaks of chemical compounds in GC-MS spectra using filtering approaches. <i>International Journal of Mass Spectrometry</i> , 2017, 415, 92-102.	0.7	9
30	Molecular structural discrimination of chemical compounds in body odor using their GC-MS chromatogram and clustering methods. <i>International Journal of Mass Spectrometry</i> , 2017, 423, 1-14.	0.7	9
31	Fuzzy-genetic approaches for estimation of microbial rock phosphate solubilization in sandy clay loam textured soil. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 125-133.	3.7	9
32	A new method estimating linear gaussian filter kernel by image PRNU noise. <i>Journal of Information Security and Applications</i> , 2019, 44, 1-11.	1.8	9
33	Short-term wind speed prediction at Bogdanci power plant in FYROM using an artificial neural network. <i>International Journal of Sustainable Energy</i> , 2019, 38, 526-541.	1.3	9
34	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. <i>Food Analytical Methods</i> , 2019, 12, 947-955.	1.3	8
35	Detecting Aligned Double JPEG Compressed Color Image With Same Quantization Matrix Based on the Stability of Image. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 4065-4080.	5.6	8
36	Power Scaling of Chemiresistive Sensor Array Data for Odor Classification. <i>Journal of Pattern Recognition Research</i> , 2011, 6, 65-74.	0.9	8

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37	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
38	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
39	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
40	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
41	Data fusion approach for human body odor discrimination using GC-MS spectra. , 2014, , .		4
42	Fuzzy inference for soil microbial dynamics modeling in fluctuating ecological situations. Journal of Intelligent and Fuzzy Systems, 2018, 35, 1399-1406.	0.8	4
43	Evaluating toxicity impacts of environmental exposed chromium on small Indian mongoose (Urva Tj ETQq1 1 0.784314 rgBT /Overload 259, 127485.	4.2	4
44	A tumour perception system based on a multi-layer mass-spring model. International Journal of Sensor Networks, 2019, 31, 24.	0.2	3
45	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
46	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
47	Parallax engine for 2D animation in cinematography. Signal, Image and Video Processing, 2017, 11, 487-491.	1.7	2
48	Decision Stump and StackingC-Based Hybrid Algorithm for Healthcare Data Classification. Lecture Notes in Computer Science, 2018, , 205-216.	1.0	2
49	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
50	Median Filtering Detection Based on Quaternion Convolutional Neural Network. Computers, Materials and Continua, 2020, 65, 929-943.	1.5	2
51	A Multi-Conditional Proxy Broadcast Re-Encryption Scheme for Sensor Networks. Computers, Materials and Continua, 2020, 65, 2079-2090.	1.5	2
52	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
53	Optimized KPCA method for chemical vapor class recognition by SAW sensor array response analysis. , 2014, , .		1
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Discriminative kernel transfer learning via l_2, l_1 -norm minimization. , 2016, , .		0
57	Machine Intelligence in Signal Sensing, Processing, and Recognition. Journal of Electrical and Computer Engineering, 2017, 2017, 1-2.	0.6	0
58	A novel CALM algorithm in student profiling. Computer Applications in Engineering Education, 2018, 26, 841-851.	2.2	0
59	A novel parallax engine for animation using hybrid graphics software. Entertainment Computing, 2018, 27, 188-193.	1.8	0