

Jian Sun

List of Publications by Year in descending order

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67
papers

115,319
citations

218677

26
h-index

138484

58
g-index

67
all docs

67
docs citations

67
times ranked

65360
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxicity of stabilized/solidified municipal solid waste incineration fly ash. <i>Journal of Hazardous Materials</i> , 2022, 424, 127369.	12.4	29
2	PM2.5 causes vascular hyperreactivity through the upregulation of the thromboxane A2 receptor and activation of MAPK pathways. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	5.3	1
3	Real-time chemical composition of ambient fine aerosols and related cytotoxic effects in human lung epithelial cells in an urban area. <i>Environmental Research</i> , 2022, 209, 112792.	7.5	3
4	Source profiles of molecular structure and light absorption of PM2.5 brown carbon from residential coal combustion emission in Northwestern China. <i>Environmental Pollution</i> , 2022, 299, 118866.	7.5	9
5	Explorations of tire and road wear microplastics in road dust PM2.5 at eight megacities in China. <i>Science of the Total Environment</i> , 2022, 823, 153717.	8.0	20
6	Data Acquisition Method of Sensor News Based on Collaborative Filtering Algorithm. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-9.	1.2	2
7	Variations of Personal Exposure to Particulate Nitrated Phenols from Heating Energy Renovation in China: The First Assessment on Associated Toxicological Impacts with Particle Size Distributions. <i>Environmental Science & Technology</i> , 2022, 56, 3974-3983.	10.0	12
8	Size distribution, community composition, and influencing factors of bioaerosols on haze and non-haze days in a megacity in Northwest China. <i>Science of the Total Environment</i> , 2022, 838, 155969.	8.0	11
9	Parent, alkylated, oxygenated and nitrated polycyclic aromatic hydrocarbons in PM2.5 emitted from residential biomass burning and coal combustion: A novel database of 14 heating scenarios. <i>Environmental Pollution</i> , 2021, 268, 115881.	7.5	52
10	Characterization of organic aerosols in PM1 and their cytotoxicity in an urban roadside area in Hong Kong. <i>Chemosphere</i> , 2021, 263, 128239.	8.2	13
11	Variational HyperAdam: A Meta-learning Approach to Network Training. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, PP, 1-1.	13.9	1
12	Joint Depth and Defocus Estimation From a Single Image Using Physical Consistency. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 3419-3433.	9.8	15
13	A Model-Driven Deep Dehazing Approach by Learning Deep Priors. <i>IEEE Access</i> , 2021, 9, 108542-108556.	4.2	10
14	Effects of domestic solid fuel combustion emissions on the biomarkers of homemakers in rural areas of the Fenwei Plain, China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112104.	6.0	26
15	The oxidative capacity of indoor source combustion derived particulate matter and resulting respiratory toxicity. <i>Science of the Total Environment</i> , 2021, 767, 144391.	8.0	31
16	Loss of E-cadherin due to road dust PM2.5 activates the EGFR in human pharyngeal epithelial cells. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53872-53887.	5.3	7
17	Learning Polynomial-Based Separable Convolution for 3D Point Cloud Analysis. <i>Sensors</i> , 2021, 21, 4211.	3.8	0
18	Saccharides Emissions from Biomass and Coal Burning in Northwest China and Their Application in Source Contribution Estimation. <i>Atmosphere</i> , 2021, 12, 821.	2.3	8

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19	Light absorption properties and molecular profiles of HULIS in PM _{2.5} emitted from biomass burning in traditional “Heated Kang” in Northwest China. <i>Science of the Total Environment</i> , 2021, 776, 146014.	8.0	27
20	Environmental and health risks of VOCs in the longest inner “city tunnel in Xi’an, Northwest China: Implication of impact from new energy vehicles. <i>Environmental Pollution</i> , 2021, 282, 117057.	7.5	23
21	Sustainable ex-situ remediation of contaminated sediment: A review. <i>Environmental Pollution</i> , 2021, 287, 117333.	7.5	58
22	Emission factors, characteristics, and gas-particle partitioning of polycyclic aromatic hydrocarbons in PM _{2.5} emitted for the typical solid fuel combustions in rural Guanzhong Plain, China. <i>Environmental Pollution</i> , 2021, 286, 117573.	7.5	48
23	Oxidative stress “inducing effects of various urban PM _{2.5} road dust on human lung epithelial cells among 10 Chinese megacities. <i>Ecotoxicology and Environmental Safety</i> , 2021, 224, 112680.	6.0	16
24	Profiles and Source Apportionment of Nonmethane Volatile Organic Compounds in Winter and Summer in Xi’an, China, based on the Hybrid Environmental Receptor Model. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 116-131.	4.3	8
25	Training Networks in Null Space of Feature Covariance for Continual Learning. , 2021, , .		34
26	An Interpretable Early Dynamic Sequential Predictor for Sepsis-Induced Coagulopathy Progression in the Real-World Using Machine Learning. <i>Frontiers in Medicine</i> , 2021, 8, 775047.	2.6	0
27	ADMM-CSNet: A Deep Learning Approach for Image Compressive Sensing. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020, 42, 521-538.	13.9	439
28	Cytotoxicity and Potential Pathway to Vascular Smooth Muscle Cells Induced by PM _{2.5} Emitted from Raw Coal Chunks and Clean Coal Combustion. <i>Environmental Science & Technology</i> , 2020, 54, 14482-14493.	10.0	19
29	Unsupervised MR-to-CT Synthesis Using Structure-Constrained CycleGAN. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4249-4261.	8.9	79
30	Spatial Distribution, Source Apportionment, Ozone Formation Potential, and Health Risks of Volatile Organic Compounds over a Typical Central Plain City in China. <i>Atmosphere</i> , 2020, 11, 1365.	2.3	5
31	Parent, alkylated, oxygenated and nitro polycyclic aromatic hydrocarbons from raw coal chunks and clean coal combustion: Emission factors, source profiles, and health risks. <i>Science of the Total Environment</i> , 2020, 721, 137696.	8.0	35
32	Investigation of Primary and Secondary Particulate Brown Carbon in Two Chinese Cities of Xi’an and Hong Kong in Wintertime. <i>Environmental Science & Technology</i> , 2020, 54, 3803-3813.	10.0	63
33	Second-Order Spectral Transform Block for 3D Shape Classification and Retrieval. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 4530-4543.	9.8	6
34	Aerosols chemical composition, light extinction, and source apportionment near a desert margin city, Yulin, China. <i>PeerJ</i> , 2020, 8, e8447.	2.0	9
35	Learning Distribution Independent Latent Representation for 3D Face Disentanglement. , 2020, , .		3
36	Optimizing a Parameterized Plug-and-Play ADMM for Iterative Low-Dose CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 371-382.	8.9	101

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37	Pulsar/Star Tracker/INS Integrated Navigation Method Based on Asynchronous Observation Model. <i>Journal of Aerospace Engineering</i> , 2019, 32, 04019075.	1.4	5
38	Characterization of polycyclic aromatic hydrocarbon (PAHs) source profiles in urban PM _{2.5} fugitive dust: A large-scale study for 20 Chinese cities. <i>Science of the Total Environment</i> , 2019, 687, 188-197.	8.0	25
39	Personal exposure to PM _{2.5} -bound organic species from domestic solid fuel combustion in rural Guanzhong Basin, China: Characteristics and health implication. <i>Chemosphere</i> , 2019, 227, 53-62.	8.2	31
40	Volatile organic compounds emissions from traditional and clean domestic heating appliances in Guanzhong Plain, China: Emission factors, source profiles, and effects on regional air quality. <i>Environment International</i> , 2019, 133, 105252.	10.0	41
41	A Graph-Based Semisupervised Deep Learning Model for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2116-2132.	6.3	109
42	BM3D-Net: A Convolutional Neural Network for Transform-Domain Collaborative Filtering. <i>IEEE Signal Processing Letters</i> , 2018, 25, 55-59.	3.6	117
43	Optical source profiles of brown carbon in size-resolved particulate matter from typical domestic biofuel burning over Guanzhong Plain, China. <i>Science of the Total Environment</i> , 2018, 622-623, 244-251.	8.0	56
44	X-ray pulsar navigation using multiple detectors based on a new observation strategy. <i>IET Radar, Sonar and Navigation</i> , 2018, 12, 442-448.	1.8	6
45	Model-driven deep-learning. <i>National Science Review</i> , 2018, 5, 22-24.	9.5	84
46	Evaluation on exposures to particulate matter at a junior secondary school: a comprehensive study on health risks and effective inflammatory responses in Northwestern China. <i>Environmental Geochemistry and Health</i> , 2018, 40, 849-863.	3.4	7
47	Source, health risk and composition impact of outdoor very fine particles (VFPs) to school indoor environment in Xi'an, Northwestern China. <i>Science of the Total Environment</i> , 2018, 612, 238-246.	8.0	36
48	Unpaired Brain MR-to-CT Synthesis Using a Structure-Constrained CycleGAN. <i>Lecture Notes in Computer Science</i> , 2018, , 174-182.	1.3	86
49	Characteristics and source apportionment of winter black carbon aerosols in two Chinese megacities of Xi'an and Hong Kong. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33783-33793.	5.3	24
50	An Improved 3D Shape Recognition Method Based on Panoramic View. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-11.	1.1	5
51	Neural multi-atlas label fusion: Application to cardiac MR images. <i>Medical Image Analysis</i> , 2018, 49, 60-75.	11.6	25
52	Unsupervised Domain Adaptation with Regularized Optimal Transport for Multimodal 2D+3D Facial Expression Recognition. , 2018, , .		20
53	Proximal Dehaze-Net: A Prior Learning-Based Deep Network for Single Image Dehazing. <i>Lecture Notes in Computer Science</i> , 2018, , 729-746.	1.3	184
54	Indoor secondary organic aerosols formation from ozonolysis of monoterpene: An example of d-limonene with ammonia and potential impacts on pulmonary inflammations. <i>Science of the Total Environment</i> , 2017, 579, 212-220.	8.0	26

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55	Multimodal 2D+3D Facial Expression Recognition With Deep Fusion Convolutional Neural Network. IEEE Transactions on Multimedia, 2017, 19, 2816-2831.	7.2	160
56	Atmospheric levels and cytotoxicity of polycyclic aromatic hydrocarbons and oxygenated-PAHs in PM2.5 in the Beijing-Tianjin-Hebei region. Environmental Pollution, 2017, 231, 1075-1084.	7.5	119
57	Chemical profiles of urban fugitive dust PM2.5 samples in Northern Chinese cities. Science of the Total Environment, 2016, 569-570, 619-626.	8.0	104
58	Deep Residual Learning for Image Recognition. , 2016, , .		100,885
59	Learning Dictionary of Discriminative Part Detectors for Image Categorization and Cosegmentation. International Journal of Computer Vision, 2016, 120, 111-133.	15.6	21
60	Delving Deep into Rectifiers: Surpassing Human-Level Performance on ImageNet Classification. , 2015, , .		9,828
61	Particle size distribution and air pollution patterns in three urban environments in Xi'an, China. Environmental Geochemistry and Health, 2015, 37, 801-812.	3.4	31
62	Learning Discriminative Part Detectors for Image Classification and Cosegmentation. , 2013, , .		92
63	Gradient Profile Prior and Its Applications in Image Super-Resolution and Enhancement. IEEE Transactions on Image Processing, 2011, 20, 1529-1542.	9.8	285
64	Scale selection for anisotropic diffusion filter by Markov random field model. Pattern Recognition, 2010, 43, 2630-2645.	8.1	11
65	Guided Image Filtering. Lecture Notes in Computer Science, 2010, , 1-14.	1.3	819
66	Flash Cut: Foreground Extraction with Flash and No-flash Image Pairs. , 2007, , .		47
67	Lazy snapping. ACM Transactions on Graphics, 2004, 23, 303-308.	7.2	807