

Yi-Fan Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4857208/publications.pdf>

Version: 2024-02-01

64
papers

1,674
citations

331670

21
h-index

315739

38
g-index

64
all docs

64
docs citations

64
times ranked

1784
citing authors

#	ARTICLE	IF	CITATIONS
1	Mental Health Among College Students During the COVID-19 Pandemic in China: A 2-Wave Longitudinal Survey. <i>Journal of Affective Disorders</i> , 2021, 281, 597-604.	4.1	238
2	Application of FBG sensors for geotechnical health monitoring, a review of sensor design, implementation methods and packaging techniques. <i>Sensors and Actuators A: Physical</i> , 2016, 244, 184-197.	4.1	199
3	Continuous and Scalable Manufacture of Hybridized Nano-Micro Triboelectric Yarns for Energy Harvesting and Signal Sensing. <i>ACS Nano</i> , 2020, 14, 4716-4726.	14.6	130
4	Selective adsorption and separation of dyes from an aqueous solution on organic-inorganic hybrid cyclomatrix polyphosphazene submicro-spheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4314-4322.	10.3	79
5	Acid and Alkali-Resistant Textile Triboelectric Nanogenerator as a Smart Protective Suit for Liquid Energy Harvesting and Self-Powered Monitoring in High-Risk Environments. <i>Advanced Functional Materials</i> , 2021, 31, 2102963.	14.9	63
6	Automatic Modulation Classification Using Compressive Convolutional Neural Network. <i>IEEE Access</i> , 2019, 7, 79636-79643.	4.2	56
7	Design, Fabrication and Testing of a 3D Printed FBG Pressure Sensor. <i>IEEE Access</i> , 2019, 7, 38577-38583.	4.2	52
8	A simple FBG pressure sensor fabricated using fused deposition modelling process. <i>Sensors and Actuators A: Physical</i> , 2019, 285, 269-274.	4.1	50
9	Recent Advances in Enzyme-Nanostructure Biocatalysts with Enhanced Activity. <i>Catalysts</i> , 2020, 10, 338.	3.5	50
10	Integrating HL7 RIM and ontology for unified knowledge and data representation in clinical decision support systems. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 123, 94-108.	4.7	44
11	An ontology-based approach to patient follow-up assessment for continuous and personalized chronic disease management. <i>Journal of Biomedical Informatics</i> , 2017, 72, 45-59.	4.3	42
12	Meso-Reconstruction of Silk Fibroin based on Molecular and Nano-Templates for Electronic Skin in Medical Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2100150.	14.9	42
13	A fiber Bragg grating based sensing platform fabricated by fused deposition modeling process for plantar pressure measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 112, 74-79.	5.0	36
14	Development of a smart garment for monitoring body postures based on FBG and flex sensing technologies. <i>Sensors and Actuators A: Physical</i> , 2018, 272, 153-160.	4.1	33
15	A FBG Tilt Sensor Fabricated Using 3D Printing Technique for Monitoring Ground Movement. <i>IEEE Sensors Journal</i> , 2019, 19, 6392-6399.	4.7	33
16	An FBG-based smart wearable ring fabricated using FDM for monitoring body joint motion. <i>Journal of Industrial Textiles</i> , 2021, 50, 1660-1673.	2.4	28
17	A fiber Bragg grating-based smart wearable belt for monitoring knee joint postures. <i>Textile Research Journal</i> , 2020, 90, 386-394.	2.2	27
18	A facile method to prepare a wearable pressure sensor based on fabric electrodes for human motion monitoring. <i>Textile Research Journal</i> , 2019, 89, 5144-5152.	2.2	26

#	ARTICLE	IF	CITATIONS
19	Stress field distribution of warp-reinforced 2.5D woven composites using an idealized meso-scale voxel-based model. <i>Journal of Materials Science</i> , 2017, 52, 6814-6836.	3.7	24
20	High-altitude chronic hypoxia ameliorates obesity-induced non-alcoholic fatty liver disease in mice by regulating mitochondrial and AMPK signaling. <i>Life Sciences</i> , 2020, 252, 117633.	4.3	24
21	Effects of extreme temperature on respiratory diseases in Lanzhou, a temperate climate city of China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 49278-49288.	5.3	23
22	Respiratory mortality associated with ozone in China: A systematic review and meta-analysis. <i>Environmental Pollution</i> , 2021, 280, 116957.	7.5	21
23	Multi-Scale Modeling of an Integrated 3D Braided Composite with Applications to Helicopter Arm. <i>Applied Composite Materials</i> , 2017, 24, 1233-1250.	2.5	20
24	Short-term effect of PM2.5 on pediatric asthma incidence in Shanghai, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27832-27841.	5.3	20
25	A smart insole for monitoring plantar pressure based on the fiber Bragg grating sensing technique. <i>Textile Research Journal</i> , 2019, 89, 3433-3446.	2.2	19
26	Shift work disorder and related influential factors among shift workers in China. <i>Sleep Medicine</i> , 2021, 81, 451-456.	1.6	19
27	Relationships between Riparian Vegetation Pattern and the Hydraulic Characteristics of Upslope Runoff. <i>Sustainability</i> , 2019, 11, 2966.	3.2	17
28	A novel flex sensor-based flexible smart garment for monitoring body postures. <i>Journal of Industrial Textiles</i> , 2019, 49, 262-274.	2.4	17
29	A monitoring and warning system for expressway slopes using FBG sensing technology. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771877622.	2.2	16
30	Photocurable Hyperbranched Polymer Medical Glue for Water-Resistant Bonding. <i>Biomacromolecules</i> , 2020, 21, 5222-5232.	5.4	16
31	Self-Activated Ni Cathode for Electrocatalytic Nitrate Reduction to Ammonia: From Fundamentals to Scale-Up for Treatment of Industrial Wastewater. <i>Environmental Science & Technology</i> , 2021, 55, 13231-13243.	10.0	16
32	A review of the impact of outdoor and indoor environmental factors on human health in China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42335-42345.	5.3	14
33	Association between PM10 and specific circulatory system diseases in China. <i>Scientific Reports</i> , 2021, 11, 12129.	3.3	13
34	Design and Development of a Sharable Clinical Decision Support System Based on a Semantic Web Service Framework. <i>Journal of Medical Systems</i> , 2016, 40, 118.	3.6	12
35	Effect of diurnal temperature range on outpatient visits for common cold in Shanghai, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1436-1448.	5.3	12
36	Multi-copy dynamic cloud data auditing model based on IMB tree. <i>Enterprise Information Systems</i> , 2021, 15, 248-269.	4.7	12

#	ARTICLE	IF	CITATIONS
37	Association between environmental factors and COVID-19 in Shanghai, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45087-45095.	5.3	12
38	Impact of temperature changes between neighboring days on COPD in a city in Northeast China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4849-4857.	5.3	11
39	Short-term effect of extreme air temperature on hospital emergency room visits for cardiovascular diseases from 2009 to 2012 in Beijing, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38029-38037.	5.3	11
40	Application of FBG Technology in Additive Manufacturing: Monitoring Real-Time Internal Temperature of Products. <i>IEEE Sensors Journal</i> , 2021, 21, 6003-6011.	4.7	9
41	Hyperbranched polymer with dynamic thiol-aldehyde crosslinking and its application as a self-healable bioadhesive. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5818-5828.	5.8	8
42	New LGFBG-Based Structural Integrity Evaluation Method for Cement-Grouted Soil Nails. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	7
43	Improved Energy Detector for Full Duplex Sensing. , 2014, , .		6
44	Aggregated Residual Dilation-Based Feature Pyramid Network for Object Detection. <i>IEEE Access</i> , 2019, 7, 134014-134027.	4.2	6
45	Particulate matter pollution and emergency room visits for respiratory diseases in a valley Basin city of Northwest China. <i>Environmental Geochemistry and Health</i> , 2021, 43, 3457-3468.	3.4	6
46	TV Band Radio Environment Mapping in Beijing. , 2014, , .		5
47	Design and verification of a wireless sensing system for monitoring large-range ground movement. <i>Sensors and Actuators A: Physical</i> , 2020, 303, 111745.	4.1	5
48	Circulation weather types and hospital admissions for cardiovascular disease in Changchun, China. <i>Environmental Geochemistry and Health</i> , 2022, 44, 2799-2813.	3.4	5
49	A Fiber Bragg Grating-Based Inclinometer Fabricated Using 3-D Printing Method for Slope Monitoring. <i>Geotechnical Testing Journal</i> , 2020, 43, 38-51.	1.0	5
50	Outage Probability Analysis of Cognitive Relay Networks in Nakagami-m Fading Channels. , 2012, , .		4
51	Full-Duplex Spectrum Sensing Scheme Based on Phase Difference. , 2014, , .		4
52	Novel Compressed Sensing Algorithm Based on Modulation Classification and Symbol Rate Recognition. <i>Wireless Personal Communications</i> , 2015, 80, 1717-1732.	2.7	4
53	Short-term effect of ambient ozone pollution on respiratory diseases in western China. <i>Environmental Geochemistry and Health</i> , 2022, 44, 4129-4140.	3.4	4
54	Integrating Five Feature Types Extracted From Ultrasonograms to Improve the Prediction of Thyroid Papillary Carcinoma. <i>IEEE Access</i> , 2019, 7, 101820-101828.	4.2	3

#	ARTICLE	IF	CITATIONS
55	Enhanced mechanical performance of biocompatible silk fibroin films through mesoscopic construction of hierarchical structures. <i>Textile Research Journal</i> , 2021, 91, 1146-1154.	2.2	3
56	Modulation Classification of Active Attacks in Internet of Things: Lightweight MCBLDN With Spatial Transformer Network. <i>IEEE Internet of Things Journal</i> , 2022, 9, 19132-19146.	8.7	3
57	A novel spectrum sensing scheme based on phase difference. , 2014, , .		2
58	A Strong Dual-Component Bioadhesive Based on Solventless Thiol-isocyanate Click Chemistry. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3389-3398.	5.2	2
59	Association between atmospheric particulate matter and emergency room visits for cerebrovascular disease in Beijing, China. <i>Journal of Environmental Health Science & Engineering</i> , 0, , 1.	3.0	2
60	Study on spontaneous combustion laws and fire prevention measures of coal remains during water drainage in water soaked goaf. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-20.	2.3	2
61	A study on the short-term effect of particulate matter pollution on hospital visits for asthma in children in Shanghai, China. <i>Environmental Geochemistry and Health</i> , 2021, 43, 4123-4138.	3.4	1
62	Study on the effect of CO ₂ alkaline water two phase displacing gas and wetting coal. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-14.	2.3	1
63	Interference mitigation between COMPASS and TD-LTE downlink by subband power reallocation. , 2015, , .		0
64	Effect of ambient O ₃ on mortality due to circulatory and respiratory diseases in a high latitude city of northeast China. <i>Environmental Science and Pollution Research</i> , 2022, , .	5.3	0