

Sen Wang

List of Publications by Year in descending order

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42
papers

946
citations

430874

18
h-index

454955

30
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43
all docs

43
docs citations

43
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term effects of ZnO nanoparticles on nitrogen and phosphorus removal, microbial activity and microbial community of a sequencing batch reactor. <i>Bioresource Technology</i> , 2016, 216, 428-436.	9.6	109
2	Genetic effects of radio-frequency, atmospheric-pressure glow discharges with helium. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	107
3	CPHR: In-Network Caching for Information-Centric Networking With Partitioning and Hash-Routing. <i>IEEE/ACM Transactions on Networking</i> , 2016, 24, 2742-2755.	3.8	58
4	Performance evaluation, microbial enzymatic activity and microbial community of a sequencing batch reactor under long-term exposure to cerium dioxide nanoparticles. <i>Bioresource Technology</i> , 2016, 220, 262-270.	9.6	53
5	A systematic evaluation and optimization of automatic detection of ulcers in wireless capsule endoscopy on a large dataset using deep convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2019, 64, 235014.	3.0	45
6	Comparison of atmospheric air plasmas excited by high-voltage nanosecond pulsed discharge and sinusoidal alternating current discharge. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	44
7	Deep Convolutional Neural Network for Ulcer Recognition in Wireless Capsule Endoscopy: Experimental Feasibility and Optimization. <i>Computational and Mathematical Methods in Medicine</i> , 2019, 2019, 1-14.	1.3	43
8	Multiple current peaks in room-temperature atmospheric pressure homogenous dielectric barrier discharge plasma excited by high-voltage tunable nanosecond pulse in air. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	40
9	Long-term effects of cupric oxide nanoparticles (CuO NPs) on the performance, microbial community and enzymatic activity of activated sludge in a sequencing batch reactor. <i>Journal of Environmental Management</i> , 2017, 187, 330-339.	7.8	38
10	A weighted polynomial based material decomposition method for spectral x-ray CT imaging. <i>Physics in Medicine and Biology</i> , 2016, 61, 3749-3783.	3.0	29
11	Needle-array to Plate DBD Plasma Using Sine AC and Nanosecond Pulse Excitations for Purpose of Improving Indoor Air Quality. <i>Scientific Reports</i> , 2016, 6, 25242.	3.3	29
12	An atmospheric air gas-liquid diffuse discharge excited by bipolar nanosecond pulse in quartz container used for water sterilization. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	25
13	Atmospheric Pressure Gas-Liquid Diffuse Nanosecond Pulse Discharge Used for Sterilization in Sewage. <i>Plasma Processes and Polymers</i> , 2014, 11, 842-849.	3.0	25
14	Effect of florfenicol on performance and microbial community of a sequencing batch biofilm reactor treating mariculture wastewater. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 363-372.	2.2	24
15	Long-term effects of nickel oxide nanoparticles on performance, microbial enzymatic activity, and microbial community of a sequencing batch reactor. <i>Chemosphere</i> , 2017, 169, 387-395.	8.2	23
16	Atmospheric air diffuse array-needles dielectric barrier discharge excited by positive, negative, and bipolar nanosecond pulses in large electrode gap. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	19
17	Effect of oxytetracycline on performance and microbial community of an anoxic-aerobic sequencing batch reactor treating mariculture wastewater. <i>RSC Advances</i> , 2015, 5, 53893-53904.	3.6	19
18	A hybrid Monte Carlo model for the energy response functions of X-ray photon counting detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 830, 397-406.	1.6	19

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19	Genome-wide study identifies the regulatory gene networks and signaling pathways from chondrocyte and peripheral blood monocyte of Kashin-Bek disease. <i>Genes To Cells</i> , 2012, 17, 619-632.	1.2	18
20	The effects of divalent copper on performance, extracellular polymeric substances and microbial community of an anoxic-aerobic sequencing batch reactor. <i>RSC Advances</i> , 2015, 5, 30737-30747.	3.6	18
21	Characteristics of kilohertz-ignited, radio-frequency atmospheric-pressure dielectric barrier discharges in argon. <i>Applied Physics Letters</i> , 2009, 95, 201501.	3.3	17
22	Discharge Regimes Transition and Characteristics Evolution of Nanosecond Pulsed Dielectric Barrier Discharge. <i>Nanomaterials</i> , 2019, 9, 1381.	4.1	17
23	Spectroscopic and electrical characters of SBD plasma excited by bipolar nanosecond pulse in atmospheric air. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 186-194.	3.9	16
24	Joint Source and Channel Coding Using Double Polar Codes. <i>IEEE Communications Letters</i> , 2021, 25, 2810-2814.	4.1	13
25	Hydrogen Diffusion in Clay Slit: Implications for the Geological Storage. <i>Energy & Fuels</i> , 2022, 36, 7651-7660.	5.1	13
26	A large-area diffuse air discharge plasma excited by nanosecond pulse under a double hexagon needle-array electrode. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 698-703.	3.9	11
27	Direct synthesis of AlN nano powder by dielectric barrier discharge plasma assisted high-energy ball milling. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8518-8523.	2.2	11
28	Electrical and optical characteristics of diffuse nanosecond pulsed discharge plasma using a needle-array electrode in atmospheric air. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	10
29	Optical and application study of gas-liquid discharge excited by bipolar nanosecond pulse in atmospheric air. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 571-576.	3.9	8
30	Metasurface Lens for both Surface Plasmon Polaritons and Transmitted Wave. <i>Plasmonics</i> , 2017, 12, 621-626.	3.4	8
31	Quasi-monochromatic imaging in x-ray CT via spectral deconvolution using photon-counting detectors. <i>Physics in Medicine and Biology</i> , 2017, 62, 2208-2223.	3.0	7
32	Response function estimation for the XCounter Flite X1 photon counting detector using Monte Carlo method. , 2016, , .		6
33	Second glance framework (secG): enhanced ulcer detection with deep learning on a large wireless capsule endoscopy dataset. , 2019, , .		5
34	Effects of different stocking densities on the growth performance and antioxidant capacity of Chinese mitten crab (<i>Eriocheir sinensis</i>) in rice crab culture system. <i>Aquaculture International</i> , 0, , 1.	2.2	5
35	Joint Successive Cancellation List Decoding for the Double Polar Codes. <i>IEEE Communications Letters</i> , 2022, 26, 1715-1719.	4.1	5
36	Systematic implementation of spectral CT with a photon counting detector for liquid security inspection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 893, 99-108.	1.6	3

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37	Spectral CT reconstruction with weighted non-local total-variation minimization. , 2015, , .		2
38	EFFECT OF COD/N RATIO ON PERFORMANCE OF A SEQUENCING BATCH REACTOR TREATING SALINE WASTEWATER. Environmental Engineering and Management Journal, 2018, 17, 1161-1168.	0.6	2
39	Response Function Estimation for the Photon Counting Detector using Multiple Balanced KEdge Filters. , 2017, , .		1
40	Enhanced material separation with a quasi-monochromatic CT imaging method using a photon counting detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 881, 9-15.	1.6	1
41	Preliminary study of quantitative X-ray spectral imaging with spectral deconvolution. , 2016, , .		0
42	More Accurate and Less Noisy Spectral Deconvolution Strategy using Photon Counting Detectors. , 2017, , .		0