Sen Wang

List of Publications by Year
in descending order

42	946	430874	454955
papers	citations	18 h-index	30 g-index

43	43	43	1123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Joint Successive Cancellation List Decoding for the Double Polar Codes. IEEE Communications Letters, 2022, 26, 1715-1719.	4.1	5
2	Hydrogen Diffusion in Clay Slit: Implications for the Geological Storage. Energy & Fuels, 2022, 36, 7651-7660.	5.1	13
3	Joint Source and Channel Coding Using Double Polar Codes. IEEE Communications Letters, 2021, 25, 2810-2814.	4.1	13
4	A systematic evaluation and optimization of automatic detection of ulcers in wireless capsule endoscopy on a large dataset using deep convolutional neural networks. Physics in Medicine and Biology, 2019, 64, 235014.	3.0	45
5	Deep Convolutional Neural Network for Ulcer Recognition in Wireless Capsule Endoscopy: Experimental Feasibility and Optimization. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-14.	1.3	43
6	Discharge Regimes Transition and Characteristics Evolution of Nanosecond Pulsed Dielectric Barrier Discharge. Nanomaterials, 2019, 9, 1381.	4.1	17
7	Second glance framework (secG): enhanced ulcer detection with deep learning on a large wireless capsule endoscopy dataset. , 2019, , .		5
8	Systematic implementation of spectral CT with a photon counting detector for liquid security inspection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 893, 99-108.	1.6	3
9	Effect of florfenicol on performance and microbial community of a sequencing batch biofilm reactor treating mariculture wastewater. Environmental Technology (United Kingdom), 2018, 39, 363-372.	2.2	24
10	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
11	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
12	Metasurface Lens for both Surface Plasmon Polaritons and Transmitted Wave. Plasmonics, 2017, 12, 621-626.	3.4	8
13	Quasi-monochromatic imaging in x-ray CT via spectral deconvolution using photon-counting detectors. Physics in Medicine and Biology, 2017, 62, 2208-2223.	3.0	7
14	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. Journal of Environmental Management, 2017, 187, 330-339.	7.8	38
15	Long-term effects of nickel oxide nanoparticles on performance, microbial enzymatic activity, and microbial community of a sequencing batch reactor. Chemosphere, 2017, 169, 387-395.	8.2	23
16	Response Function Estimation for the Photon Counting Detector using Multiple Balanced KEdge Filters. , 2017, , .		1
17	More Accurate and Less Noisy Spectral Deconvolution Strategy using Photon Counting Detectors. , 2017, , .		0
18	A weighted polynomial based material decomposition method for spectral x-ray CT imaging. Physics in Medicine and Biology, 2016, 61, 3749-3783.	3.0	29

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19	Direct synthesis of AlN nano powder by dielectric barrier discharge plasma assisted high-energy ball milling. Journal of Materials Science: Materials in Electronics, 2016, 27, 8518-8523.	2.2	11
20	Performance evaluation, microbial enzymatic activity and microbial community of a sequencing batch reactor under long-term exposure to cerium dioxide nanoparticles. Bioresource Technology, 2016, 220, 262-270.	9.6	53
21	A hybrid Monte Carlo model for the energy response functions of X-ray photon counting detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 397-406.	1.6	19
22	Needle-array to Plate DBD Plasma Using Sine AC and Nanosecond Pulse Excitations for Purpose of Improving Indoor Air Quality. Scientific Reports, 2016, 6, 25242.	3.3	29
23	Preliminary study of quantitative X-ray spectral imaging with spectral deconvolution. , 2016, , .		0
24	Response function estimation for the XCounter Flite X1 photon counting detector using Monte Carlo method. , 2016, , .		6
25	Long-term effects of ZnO nanoparticles on nitrogen and phosphorus removal, microbial activity and microbial community of a sequencing batch reactor. Bioresource Technology, 2016, 216, 428-436.	9.6	109
26	Spectroscopic and electrical characters of SBD plasma excited by bipolar nanosecond pulse in atmospheric air. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 161, 186-194.	3.9	16
27	CPHR: In-Network Caching for Information-Centric Networking With Partitioning and Hash-Routing. IEEE/ACM Transactions on Networking, 2016, 24, 2742-2755.	3.8	58
28	Spectral CT reconstruction with weighted non-local total-variation minimization. , 2015, , .		2
29	The effects of divalent copper on performance, extracellular polymeric substances and microbial community of an anoxicâ€“aerobic sequencing batch reactor. RSC Advances, 2015, 5, 30737-30747.	3.6	18
30	Effect of oxytetracycline on performance and microbial community of an anoxicâ€“aerobic sequencing batch reactor treating mariculture wastewater. RSC Advances, 2015, 5, 53893-53904.	3.6	19
31	Atmospheric air diffuse array-needles dielectric barrier discharge excited by positive, negative, and bipolar nanosecond pulses in large electrode gap. Journal of Applied Physics, 2014, 116, .	2.5	19
32	A large-area diffuse air discharge plasma excited by nanosecond pulse under a double hexagon needle-array electrode. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 698-703.	3.9	11
33	Electrical and optical characteristics of diffuse nanosecond pulsed discharge plasma using a needle-array electrode in atmospheric air. Journal of Applied Physics, 2014, 115, .	2.5	10
34	Atmospheric Pressure Gasâ€“Liquid Diffuse Nanosecond Pulse Discharge Used for Sterilization in Sewage. Plasma Processes and Polymers, 2014, 11, 842-849.	3.0	25
35	Optical and application study of gasâ€“liquid discharge excited by bipolar nanosecond pulse in atmospheric air. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 571-576.	3.9	8
36	Multiple current peaks in room-temperature atmospheric pressure homogenous dielectric barrier discharge plasma excited by high-voltage tunable nanosecond pulse in air. Applied Physics Letters, 2013, 102, .	3.3	40

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37	Comparison of atmospheric air plasmas excited by high-voltage nanosecond pulsed discharge and sinusoidal alternating current discharge. Journal of Applied Physics, 2013, 114, .	2.5	44
38	An atmospheric air gas-liquid diffuse discharge excited by bipolar nanosecond pulse in quartz container used for water sterilization. Applied Physics Letters, 2013, 103, .	3.3	25
39	Genomeâ€wide study identifies the regulatory gene networks and signaling pathways from chondrocyte and peripheral blood monocyte of <scp>K</scp>ashinâ€“<scp>B</scp>eck disease. Genes To Cells, 2012, 17, 619-632.	1.2	18
40	Characteristics of kilohertz-ignited, radio-frequency atmospheric-pressure dielectric barrier discharges in argon. Applied Physics Letters, 2009, 95, 201501.	3.3	17
41	Genetic effects of radio-frequency, atmospheric-pressure glow discharges with helium. Applied Physics Letters, 2008, 92, .	3.3	107
42	Effects of different stocking densities on the growth performance and antioxidant capacity of Chinese mitten crab (Eriocheir sinensis) in rice crab culture system. Aquaculture International, 0, , 1.	2.2	5