

Shanshan Li

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,365
citations

201674

27
h-index

254184

43
g-index

78
all docs

78
docs citations

78
times ranked

3078
citing authors

#	ARTICLE	IF	CITATIONS
1	A cluster of atypical resistance genes in soybean confers broad-spectrum antiviral activity. <i>Plant Physiology</i> , 2022, 188, 1277-1293.	4.8	9
2	A prototype protein nanocage minimized from carboxysomes with gated oxygen permeability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
3	Cryo-EM, Protein Engineering, and Simulation Enable the Development of Peptide Therapeutics against Acute Myeloid Leukemia. <i>ACS Central Science</i> , 2022, 8, 214-222.	11.3	7
4	Constructing a Pt/YMn ₂ O ₅ Interface to Form Multiple Active Centers to Improve the Hydrothermal Stability of NO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20875-20887.	8.0	8
5	Molecular Characterization of Polar Compounds in Crude Oil Affecting Sandstone Wettability Revealed by Fourier Transform-Ion Cyclotron Resonance-Mass Spectrometry. <i>SPE Journal</i> , 2022, , 1-14.	3.1	0
6	Planar 2D wireframe DNA origami. <i>Science Advances</i> , 2022, 8, .	10.3	10
7	Bacteriophage protein PEIP is a potent <i>Bacillus subtilis</i> enolase inhibitor. <i>Cell Reports</i> , 2022, 40, 111026.	6.4	4
8	Effects of aluminum oxide nanoparticles on the performance, extracellular polymeric substances, microbial community and enzymatic activity of sequencing batch reactor. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 366-376.	2.2	3
9	MOF-derived core/shell C-TiO ₂ /CoTiO ₃ type II heterojunction for efficient photocatalytic removal of antibiotics. <i>Journal of Hazardous Materials</i> , 2021, 406, 124675.	12.4	81
10	Hydrolyzed polyacrylamide-containing wastewater treatment using ozone reactor-upflow anaerobic sludge blanket reactor-aerobic biofilm reactor multistage treatment system. <i>Environmental Pollution</i> , 2021, 269, 116111.	7.5	30
11	A Single Immunization with Spike-Functionalized Ferritin Vaccines Elicits Neutralizing Antibody Responses against SARS-CoV-2 in Mice. <i>ACS Central Science</i> , 2021, 7, 183-199.	11.3	134
12	Evolution of microstructure and properties of Ag and Si-doped AlMg alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16889-16899.	2.2	1
13	p53-mediated ferroptosis is required for 1-methyl-4-phenylpyridinium-induced senescence of PC12 cells. <i>Toxicology in Vitro</i> , 2021, 73, 105146.	2.4	11
14	Cryo-EM and antisense targeting of the 28-kDa frameshift stimulation element from the SARS-CoV-2 RNA genome. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 747-754.	8.2	91
15	Cryo-EM structures of full-length <i>Tetrahymena</i> ribozyme at 3.1 Å resolution. <i>Nature</i> , 2021, 596, 603-607.	27.8	59
16	Rapid prototyping of arbitrary 2D and 3D wireframe DNA origami. <i>Nucleic Acids Research</i> , 2021, 49, 10265-10274.	14.5	51
17	Molecular basis for ATPase-powered substrate translocation by the Lon AAA+ protease. <i>Journal of Biological Chemistry</i> , 2021, 297, 101239.	3.4	12
18	Bacteriophage Twort protein Gp168 is a β -clamp inhibitor by occupying the DNA sliding channel. <i>Nucleic Acids Research</i> , 2021, 49, 11367-11378.	14.5	6

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19	Complete three-dimensional structures of the Lon protease translocating a protein substrate. <i>Science Advances</i> , 2021, 7, eabj7835.	10.3	7
20	Mapping the catalytic conformations of an assembly-line polyketide synthase module. <i>Science</i> , 2021, 374, 729-734.	12.6	41
21	Processive cleavage of substrate at individual proteolytic active sites of the Lon protease complex. <i>Science Advances</i> , 2021, 7, eabj9537.	10.3	9
22	Novel Fe ₂ O ₃ /PZT Nanorods for Ferroelectric Polarization-Enhanced Photoelectrochemical Water Splitting. <i>Energy & Fuels</i> , 2020, 34, 16927-16935.	5.1	6
23	3D RNA nanocage for encapsulation and shielding of hydrophobic biomolecules to improve the in vivo biodistribution. <i>Nano Research</i> , 2020, 13, 3241-3247.	10.4	4
24	A 3.4-Å cryo-electron microscopy structure of the human coronavirus spike trimer computationally derived from vitrified NL63 virus particles. <i>QRB Discovery</i> , 2020, 1, e11.	1.6	10
25	Resolving individual atoms of protein complex by cryo-electron microscopy. <i>Cell Research</i> , 2020, 30, 1136-1139.	12.0	69
26	Gambogic acid induces ferroptosis in melanoma cells undergoing epithelial-to-mesenchymal transition. <i>Toxicology and Applied Pharmacology</i> , 2020, 401, 115110.	2.8	47
27	Cryo-EM Structures of Human Drosha and DGCR8 in Complex with Primary MicroRNA. <i>Molecular Cell</i> , 2020, 78, 411-422.e4.	9.7	75
28	Accelerated cryo-EM-guided determination of three-dimensional RNA-only structures. <i>Nature Methods</i> , 2020, 17, 699-707.	19.0	119
29	Tailoring aromatic ring-terminated edges of g-C ₃ N ₄ nanosheets for efficient photocatalytic hydrogen evolution with simultaneous antibiotic removal. <i>Catalysis Science and Technology</i> , 2020, 10, 5470-5479.	4.1	16
30	Single and combined effects of divalent copper and hexavalent chromium on the performance, microbial community and enzymatic activity of sequencing batch reactor. <i>Science of the Total Environment</i> , 2020, 719, 137289.	8.0	13
31	Structure of the G protein chaperone and guanine nucleotide exchange factor Ric-8A bound to G α 11. <i>Nature Communications</i> , 2020, 11, 1077.	12.8	18
32	Insights into the effects of single and combined divalent copper and humic acid on the performance, microbial community and enzymatic activity of activated sludge from sequencing batch reactor. <i>Chemosphere</i> , 2020, 249, 126165.	8.2	11
33	Ultra-thermostable RNA nanoparticles for solubilizing and high-yield loading of paclitaxel for breast cancer therapy. <i>Nature Communications</i> , 2020, 11, 972.	12.8	86
34	Measurement of atom resolvability in cryo-EM maps with Q-scores. <i>Nature Methods</i> , 2020, 17, 328-334.	19.0	230
35	Effects of transient 3-chloroaniline shock loading on the performance, microbial community and enzymatic activity of sequencing batch reactor. <i>Journal of Environmental Management</i> , 2020, 258, 110017.	7.8	8
36	Inhibition mechanisms of AcrF9, AcrF8, and AcrF6 against type I-F CRISPR-Cas complex revealed by cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7176-7182.	7.1	35

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37	Fiber Bragg Gratings Based Cyclic Strain Measuring of Weld Toes of Cruciform Joints. Applied Sciences (Switzerland), 2019, 9, 2939.	2.5	5
38	Analysis of the Fatigue Crack Evolution of Corrugated Web Girders. Metals, 2019, 9, 869.	2.3	3
39	Long-term effect of different Cu(II) concentrations on the performance, microbial enzymatic activity and microbial community of sequencing batch reactor. Environmental Pollution, 2019, 255, 113216.	7.5	26
40	Insights into long-term effects of amino-functionalized multi-walled carbon nanotubes (MWCNTs-NH ₂) on the performance, enzymatic activity and microbial community of sequencing batch reactor. Environmental Pollution, 2019, 254, 113118.	7.5	10
41	Long-term impacts of carboxyl functionalized multi-walled carbon nanotubes on the performance, microbial enzymatic activity and microbial community of sequencing batch reactor. Bioresource Technology, 2019, 286, 121382.	9.6	5
42	Insights into the effect of nickel (Ni(II)) on the performance, microbial enzymatic activity and extracellular polymeric substances of activated sludge. Environmental Pollution, 2019, 251, 81-89.	7.5	41
43	Highly sensitive solution-gated graphene transistors for label-free DNA detection. Biosensors and Bioelectronics, 2019, 136, 91-96.	10.1	45
44	Cryo-EM structures of <i>Helicobacter pylori</i> vacuolating cytotoxin A oligomeric assemblies at near-atomic resolution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6800-6805.	7.1	33
45	Coupling of ssRNA cleavage with DNase activity in type III-A CRISPR-Csm revealed by cryo-EM and biochemistry. Cell Research, 2019, 29, 305-312.	12.0	40
46	Cryo-EM structure of a 40 kDa SAM-IV riboswitch RNA at 3.7 Å resolution. Nature Communications, 2019, 10, 5511.	12.8	90
47	One-step scalable synthesis of honeycomb-like g-C ₃ N ₄ with broad sub-bandgap absorption for superior visible-light-driven photocatalytic hydrogen evolution. RSC Advances, 2019, 9, 32674-32682.	3.6	20
48	Automated Sequence Design of 3D Polyhedral Wireframe DNA Origami with Honeycomb Edges. ACS Nano, 2019, 13, 2083-2093.	14.6	77
49	Impact of ampicillin on the nitrogen removal, microbial community and enzymatic activity of activated sludge. Bioresource Technology, 2019, 272, 337-345.	9.6	61
50	Biodegradation of hydrolyzed polyacrylamide by the combined expanded granular sludge bed reactor-aerobic biofilm reactor biosystem and key microorganisms involved in this bioprocess. Bioresource Technology, 2018, 263, 153-162.	9.6	54
51	Effect of magnesium oxide nanoparticles on microbial diversity and removal performance of sequencing batch reactor. Journal of Environmental Management, 2018, 222, 475-482.	7.8	13
52	Long-term impacts of titanium dioxide nanoparticles (TiO ₂ NPs) on performance and microbial community of activated sludge. Bioresource Technology, 2017, 238, 361-368.	9.6	55
53	Impact of sulfadiazine on performance and microbial community of a sequencing batch biofilm reactor treating synthetic mariculture wastewater. Bioresource Technology, 2017, 235, 122-130.	9.6	66
54	Magnetic Fe ₃ O ₄ nanoparticles induced effects on performance and microbial community of activated sludge from a sequencing batch reactor under long-term exposure. Bioresource Technology, 2017, 225, 377-385.	9.6	80

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55	Impacts of silver nanoparticles on performance and microbial community and enzymatic activity of a sequencing batch reactor. <i>Journal of Environmental Management</i> , 2017, 204, 667-673.	7.8	19
56	Performance evaluation and microbial community shift of a sequencing batch reactor under silica nanoparticles stress. <i>Bioresource Technology</i> , 2017, 245, 673-680.	9.6	9
57	Low-Temperature and Solution-Processable Zinc Oxide Transistors for Transparent Electronics. <i>ACS Omega</i> , 2017, 2, 8990-8996.	3.5	50
58	Land surface temperature retrieval from Landsat-8 data. , 2017, , .		0
59	Development of fast LLR algorithms to retrieve atmospheric profiles from IRAS/FY3B infrared measurements. , 2016, , .		0
60	Slit2 Promotes Angiogenic Activity Via the Robo1-VEGFR2-ERK1/2 Pathway in Both In Vivo and In Vitro Studies. , 2015, 56, 5210.		38
61	In Vivo Study of Retinal Transmission Function in Different Sections of the Choroidal Structure Using Multispectral Imaging. , 2015, 56, 3731.		15
62	Model-Driven Redox Pathway Manipulation for Improved Isobutanol Production in <i>Bacillus subtilis</i> Complemented with Experimental Validation and Metabolic Profiling Analysis. <i>PLoS ONE</i> , 2014, 9, e93815.	2.5	28
63	Dual-Porous Fiber-Based Low Loss Broadband Terahertz Polarization Splitter. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1399-1402.	2.5	10
64	Terahertz polarization splitter based on orthogonal microstructure dual-core photonic crystal fiber. <i>Applied Optics</i> , 2013, 52, 3305.	1.8	41
65	Performance of a sequential anaerobic baffled reactor (ABR)/membrane bioreactor (MBR) system treating caffeine wastewater. , 2011, , .		1
66	Physiological role of the novel salicylaldehyde dehydrogenase NahV in mineralization of naphthalene by <i>Pseudomonas putida</i> ND6. <i>Microbiological Research</i> , 2011, 166, 643-653.	5.3	25