

Fei Liu

List of Publications by Year in descending order

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59
papers

2,916
citations

236833

25
h-index

189801

50
g-index

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all docs

59
docs citations

59
times ranked

4495
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromatin Remodeling Induced by ARID1A Loss in Lung Cancer Promotes Glycolysis and Confers JQ1 Vulnerability. <i>Cancer Research</i> , 2022, 82, 791-804.	0.4	22
2	An AAV vaccine targeting the RBD of the SARS-CoV-2 S protein induces effective neutralizing antibody titers in mice and canines. <i>Vaccine</i> , 2022, 40, 1208-1212.	1.7	3
3	Assemble 2D redox-active covalent organic framework/graphene hybrids as high-performance capacitive materials. <i>Carbon</i> , 2022, 190, 412-421.	5.4	24
4	Quantitative ciprofloxacin on-site rapid detections using quantum dot microsphere based immunochromatographic test strips. <i>Food Chemistry</i> , 2021, 335, 127596.	4.2	42
5	One-Dimensional van der Waals Heterostructures as Efficient Metal-Free Oxygen Electrocatalysts. <i>ACS Nano</i> , 2021, 15, 3309-3319.	7.3	79
6	Carbon dots derived from kanamycin sulfate with antibacterial activity and selectivity for Cr ⁶⁺ detection. <i>Analyst</i> , The, 2021, 146, 1965-1972.	1.7	21
7	Beneficial impacts of fermented celery (<i>Apium graveolens</i> L.) juice on obesity prevention and gut microbiota modulation in high-fat diet fed mice. <i>Food and Function</i> , 2021, 12, 9151-9164.	2.1	28
8	Neurog2 directly converts astrocytes into functional neurons in midbrain and spinal cord. <i>Cell Death and Disease</i> , 2021, 12, 225.	2.7	23
9	Dynamic Dissection of the Endocytosis of Porcine Epidemic Diarrhea Coronavirus Cooperatively Mediated by Clathrin and Caveolae as Visualized by Single-Virus Tracking. <i>MBio</i> , 2021, 12, .	1.8	15
10	Dynamically probing ATP dependent RNA helicase A assisted RNA structure conversion using single molecule fluorescence resonance energy transfer. <i>Protein Science</i> , 2021, 30, 1157-1168.	3.1	2
11	Function-Oriented Graphene Quantum Dots Probe for Single Cell in situ Sorting of Active Microorganisms in Environmental Samples. <i>Frontiers in Microbiology</i> , 2021, 12, 659111.	1.5	4
12	The tripartite role of 2D covalent organic frameworks in graphene-based organic solvent nanofiltration membranes. <i>Matter</i> , 2021, 4, 2953-2969.	5.0	24
13	Molecular mechanism of zero valent iron-enhanced microbial azo reduction. <i>Environmental Pollution</i> , 2021, 290, 118046.	3.7	3
14	Undibacterium baiyunense sp. nov., Undibacterium curvum sp. nov., Undibacterium fentianense sp. nov., Undibacterium flavidum sp. nov., Undibacterium griseum sp. nov., Undibacterium hunanense sp. nov., Undibacterium luofuense sp. nov., Undibacterium nitidum sp. nov., Undibacterium rivi sp. nov., Undibacterium rugosum sp. nov. and Undibacterium umbellatum sp. nov., isolated from streams in China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	34
15	One-dimensional covalent organic framework-carbon nanotube heterostructures for efficient capacitive energy storage. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	9
16	FRET-based fluorescent nanoprobe platform for sorting of active microorganisms by functional properties. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111832.	5.3	12
17	A graphene-covalent organic framework hybrid for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2020, 32, 448-457.	9.5	103
18	Intrinsic Activity of Metal Centers in Metal-Nitrogen-Carbon Single-Atom Catalysts for Hydrogen Peroxide Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 21861-21871.	6.6	163

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19	Hierarchically porous carbon nanofibers embedded with cobalt nanoparticles for efficient H ₂ O ₂ detection on multiple sensor platforms. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128243.	4.0	46
20	The prevalence of pathogens causing bovine mastitis and their associated risk factors in 15 large dairy farms in China: An observational study. <i>Veterinary Microbiology</i> , 2020, 247, 108757.	0.8	34
21	Viscosity sensitive near-infrared fluorescent probes based on functionalized single-walled carbon nanotubes. <i>Chemical Communications</i> , 2020, 56, 8301-8304.	2.2	11
22	Drying graphene hydrogel fibers for capacitive energy storage. <i>Carbon</i> , 2020, 164, 100-110.	5.4	43
23	Glia-to-Neuron Conversion by CRISPR-CasRx Alleviates Symptoms of Neurological Disease in Mice. <i>Cell</i> , 2020, 181, 590-603.e16.	13.5	306
24	Graphene oxide laminates intercalated with 2D covalent-organic frameworks as a robust nanofiltration membrane. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9713-9725.	5.2	46
25	An easy-to-synthesize multi-photoresponse smart sensor for rapidly detecting Zn ²⁺ and quantifying Fe ³⁺ based on the enol/keto binding mode. <i>New Journal of Chemistry</i> , 2019, 43, 14179-14189.	1.4	8
26	Quantitative Detection and Real-Time Monitoring of Endogenous mRNA at the Single Live Cell Level Using a Ratiometric Molecular Beacon. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28752-28761.	4.0	9
27	Goethite Hinders Azo Dye Bioreduction by Blocking Terminal Reductive Sites on the Outer Membrane of <i>Shewanella decolorationis</i> S12. <i>Frontiers in Microbiology</i> , 2019, 10, 1452.	1.5	7
28	Quantitative remote and on-site Hg ²⁺ detection using the handheld smartphone based optical fiber fluorescence sensor (SOFFS). <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127168.	4.0	44
29	Antibacterial Effect and Mode of Action of Flavonoids From Licorice Against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2489.	1.5	73
30	Natural Products That Target Virulence Factors in Antibiotic-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13195-13211.	2.4	89
31	Synthesis of graphene materials by electrochemical exfoliation: Recent progress and future potential. <i>ACS Nano</i> , 2019, 1, 173-199.		213
32	On-site cell concentration and viability detections using smartphone based field-portable cell counter. <i>Analytica Chimica Acta</i> , 2019, 1077, 216-224.	2.6	11
33	APPBP2 enhances non-small cell lung cancer proliferation and invasiveness through regulating PPM1D and SPOP. <i>EBioMedicine</i> , 2019, 44, 138-149.	2.7	6
34	Nanocarbon materials in water disinfection: state-of-the-art and future directions. <i>Nanoscale</i> , 2019, 11, 9819-9839.	2.8	35
35	Homogeneous, Heterogeneous, and Biological Catalysts for Electrochemical N ₂ Reduction toward NH ₃ under Ambient Conditions. <i>ACS Catalysis</i> , 2019, 9, 5245-5267.	5.5	145
36	On-site quantitative Hg ²⁺ measurements based on selective and sensitive fluorescence biosensor and miniaturized smartphone fluorescence microscope. <i>Biosensors and Bioelectronics</i> , 2019, 132, 238-247.	5.3	67

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37	Effects of Flavin-Goethite Interaction on Goethite Reduction by <i>Shewanella decolorationis</i> S12. <i>Frontiers in Microbiology</i> , 2019, 10, 1623.	1.5	8
38	Quantitative and selective DNA detection with portable personal glucose meter using loop-based DNA competitive hybridization strategy. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 197-203.	4.0	15
39	Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701406.	3.9	166
40	Antimicrobial graphene materials: the interplay of complex materials characteristics and competing mechanisms. <i>Biomaterials Science</i> , 2018, 6, 766-773.	2.6	37
41	Fluorescent probes for the simultaneous detection of multiple analytes in biology. <i>Chemical Society Reviews</i> , 2018, 47, 195-208.	18.7	281
42	Substrate Determinants for Unwinding Activity of the DExH/D-Box Protein RNA Helicase A. <i>Biochemistry</i> , 2018, 57, 6662-6668.	1.2	2
43	Viscosity measurements using a two-photon ratiometric fluorescent sensor with two rotors. <i>Tetrahedron Letters</i> , 2018, 59, 4540-4544.	0.7	19
44	A pH-dependent Antibacterial Peptide Release Nano-system Blocks Tumor Growth in vivo without Toxicity. <i>Scientific Reports</i> , 2017, 7, 11242.	1.6	19
45	The co-chaperone Cdc37 regulates the rabies virus phosphoprotein stability by targeting to Hsp90AA1 machinery. <i>Scientific Reports</i> , 2016, 6, 27123.	1.6	25
46	A Highly Sensitive Fluorescent Sensor for Palladium and Direct Imaging of Its Ecotoxicity in Living Model Organisms. <i>Chemistry - an Asian Journal</i> , 2016, 11, 43-48.	1.7	28
47	A sensitive fluorescent sensor for the detection of endogenous hydroxyl radicals in living cells and bacteria and direct imaging with respect to its ecotoxicity in living zebra fish. <i>Chemical Communications</i> , 2016, 52, 4636-4639.	2.2	67
48	Monkey Viperin Restricts Porcine Reproductive and Respiratory Syndrome Virus Replication. <i>PLoS ONE</i> , 2016, 11, e0156513.	1.1	25
49	Phase measurements of erythrocytes affected by metal ions with quantitative interferometric microscopy. <i>Optical Engineering</i> , 2015, 54, 124105.	0.5	8
50	A label-free and self-assembled electrochemical biosensor for highly sensitive detection of cyclic diguanylate monophosphate (c-di-GMP) based on RNA riboswitch. <i>Analytica Chimica Acta</i> , 2015, 882, 22-26.	2.6	9
51	Novel Strategy for Tracking the Microbial Degradation of Azo Dyes with Different Polarities in Living Cells. <i>Environmental Science & Technology</i> , 2015, 49, 11356-11362.	4.6	41
52	RNA aptamer based electrochemical biosensor for sensitive and selective detection of cAMP. <i>Biosensors and Bioelectronics</i> , 2015, 66, 238-243.	5.3	51
53	Quantitative interferometric microscopy with improved full-field phase aberration compensation. <i>Optical Engineering</i> , 2014, 53, 113105.	0.5	7
54	DEAD-Box Helicases Form Nucleotide-Dependent, Long-Lived Complexes with RNA. <i>Biochemistry</i> , 2014, 53, 423-433.	1.2	43

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55	Highly sensitive and rapid bacteria detection using molecular beacon@Au nanoparticles hybrid nanoprobe. Biosensors and Bioelectronics, 2014, 57, 133-138.	5.3	20
56	Ratiometric Detection of Viscosity Using a Two-Photon Fluorescent Sensor. Chemistry - A European Journal, 2013, 19, 1548-1553.	1.7	113
57	Development of Double Antibody Sandwich ELISA for Detection of Duck or Goose Flavivirus. Journal of Integrative Agriculture, 2013, 12, 1638-1643.	1.7	8
58	A novel fluorescent sensor for detection of highly reactive oxygen species, and for imaging such endogenous hROS in the mitochondria of living cells. Analyst, The, 2013, 138, 775-778.	1.7	97
59	Mechanism and Nature of the Different Viscosity Sensitivities of Hemicyanine Dyes with Various Heterocycles. ChemPhysChem, 2013, 14, 1601-1608.	1.0	23