

Fei Liu

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

4,037
citations

28
h-index

63
g-index

98
ext. papers

4,871
ext. citations

8.6
avg, IF

5.66
L-index

#	Paper	IF	Citations
87	Quantitative metabolic analysis of plasma extracellular vesicles for the diagnosis of severe acute pancreatitis.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 52	9.4	2
86	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, 1208-1208	4.1	0
85	Isolation of small extracellular vesicles from a drop of plasma via EXODUS and their fingerprint proteomics profiling by MALDI-TOF MS. <i>Biosensors and Bioelectronics: X</i> , 2022 , 10, 100099	2.9	0
84	Acoustofluidic multimodal diagnostic system for Alzheimer's disease. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113730	11.8	7
83	Harmonic acoustics for dynamic and selective particle manipulation.. <i>Nature Materials</i> , 2022 ,	27	15
82	Vasorelaxant effect of curcubisabolanol A isolated from <i>Curcuma longa</i> through the PI3K/Akt/eNOS signaling pathway.. <i>Journal of Ethnopharmacology</i> , 2022 , 294, 115332	5	0
81	The genetic source tracking of human urinary exosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
80	Discovery of bletillain, an unusual benzyl polymer with significant autophagy-inducing effects in A549 lung cancer cells through the Akt/GSK-3 β /E-catenin signaling pathway. <i>Bioorganic Chemistry</i> , 2021 , 117, 105449	5.1	1
79	Integrated Point-of-Care Molecular Diagnostic Devices for Infectious Diseases. <i>Accounts of Chemical Research</i> , 2021 , 54, 4107-4119	24.3	9
78	Isolation of Exosome Nanoparticles from Human Cerebrospinal Fluid for Proteomic Analysis. <i>ACS Applied Nano Materials</i> , 2021 , 4, 3351-3359	5.6	7
77	Self-Monitoring and Self-Delivery of Self-Assembled Fluorescent Nanoparticles in Cancer Therapy. <i>International Journal of Nanomedicine</i> , 2021 , 16, 2487-2499	7.3	2
76	Chemical composition and uterine smooth muscle relaxant activity of essential oils from 10 kinds of blood-activating and stasis-resolving Chinese medicinal herbs. <i>Journal of Ethnopharmacology</i> , 2021 , 269, 113713	5	2
75	Nanotherapeutic approaches to overcome distinct drug resistance barriers in models of breast cancer. <i>Nanophotonics</i> , 2021 , 10, 3063-3073	6.3	5
74	Polyacetylene glucosides from the florets of <i>Carthamus tinctorius</i> and their anti-inflammatory activity. <i>Phytochemistry</i> , 2021 , 187, 112770	4	3
73	Engineering in Medicine To Address the Challenge of Cancer Drug Resistance: From Micro- and Nanotechnologies to Computational and Mathematical Modeling. <i>Chemical Reviews</i> , 2021 , 121, 3352-3389	68.1	13
72	Deep dive on the proteome of salivary extracellular vesicles: comparison between ultracentrifugation and polymer-based precipitation isolation. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 365-375	4.4	8
71	Metabolomic analysis of exosomal-markers in esophageal squamous cell carcinoma. <i>Nanoscale</i> , 2021 , 13, 16457-16464	7.7	5

70	Twelve undescribed derivatives of ganoderic acid isolated from <i>Ganoderma luteomarginatum</i> and their cytotoxicity against three human cancer cell lines. <i>Phytochemistry</i> , 2021 , 183, 112617	4	1
69	New lignans from the fruits of <i>Leonurus japonicus</i> and their hepatoprotective activities. <i>Bioorganic Chemistry</i> , 2021 , 115, 105252	5.1	0
68	Recent technical advances to study metabolomics of extracellular vesicles. <i>Microchemical Journal</i> , 2021 , 171, 106816	4.8	0
67	Bisabolane-type sesquiterpenoids: Structural diversity and biological activity. <i>Phytochemistry</i> , 2021 , 192, 112927	4	3
66	Quantitative and Ultrasensitive In-situ Immunoassay Technology for SARS-CoV-2 Detection in Saliva 2021 ,		4
65	Exosome detection via the ultrafast-isolation system: EXODUS. <i>Nature Methods</i> , 2021 , 18, 212-218	21.6	43
64	An integrative microfluidic device for isolation and ultrasensitive detection of lung cancer-specific exosomes from patient urine. <i>Biosensors and Bioelectronics</i> , 2020 , 163, 112290	11.8	34
63	FGF21 Attenuated LPS-Induced Depressive-Like Behavior Inhibiting the Inflammatory Pathway. <i>Frontiers in Pharmacology</i> , 2020 , 11, 154	5.6	26
62	A protective polymorphism in MMP16, improved blood gas levels, and chronic obstructive pulmonary diseases: Family and two population-based studies. <i>Human Mutation</i> , 2020 , 41, 1280-1297	4.7	1
61	High-Efficiency Separation of Extracellular Vesicles from Lipoproteins in Plasma by Agarose Gel Electrophoresis. <i>Analytical Chemistry</i> , 2020 , 92, 7493-7499	7.8	11
60	Stroke in pulmonary hypertension: Is it predictable or preventable?. <i>International Journal of Cardiology</i> , 2020 , 303, 79	3.2	0
59	Curcumin suppresses glioblastoma cell proliferation by p-AKT/mTOR pathway and increases the PTEN expression. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 689, 108412	4.1	26
58	Stachydrine promotes angiogenesis by regulating the VEGFR2/MEK/ERK and mitochondrial-mediated apoptosis signaling pathways in human umbilical vein endothelial cells. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 131, 110724	7.5	8
57	Traditional Chinese medicine formulas, extracts, and compounds promote angiogenesis. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 132, 110855	7.5	20
56	A facile, rapid, high-throughput extracellular vesicles analytical platform for cancer detection. <i>Analytica Chimica Acta</i> , 2020 , 1138, 132-140	6.6	3
55	Detection of Tear Components Using Matrix-Assisted Laser Desorption Ionization/Time-of-Flight Mass Spectrometry for Rapid Dry Eye Diagnosis. <i>Journal of Proteome Research</i> , 2020 , 19, 3644-3651	5.6	5
54	An Integrated Smartphone-Based Genetic Analyzer for Qualitative and Quantitative Pathogen Detection. <i>ACS Omega</i> , 2020 , 5, 22208-22214	3.9	17
53	FGF21 alleviates neuroinflammation following ischemic stroke by modulating the temporal and spatial dynamics of microglia/macrophages. <i>Journal of Neuroinflammation</i> , 2020 , 17, 257	10.1	34

52	Seven pairs of new enantiomeric sesquiterpenoids from <i>Curcuma phaeocaulis</i> . <i>Bioorganic Chemistry</i> , 2020 , 99, 103820	5.1	5
51	Heparin-poloxamer hydrogel-encapsulated rhFGF21 enhances wound healing in diabetic mice. <i>FASEB Journal</i> , 2019 , 33, 9858-9870	0.9	12
50	Impacts of event-specific air quality improvements on total hospital admissions and reduced systemic inflammation in COPD patients. <i>PLoS ONE</i> , 2019 , 14, e0208687	3.7	3
49	Cytotoxicity of lanostane-type triterpenoids and ergosteroids isolated from <i>Omphalia lapidescens</i> on MDA-MB-231 and HGC-27 cells. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 118, 109273	7.5	4
48	Inhalation of sodium hydrosulfide (NaHS) alleviates NO-induced pulmonary function and hematological impairment in rats. <i>Life Sciences</i> , 2019 , 232, 116650	6.8	3
47	Fibroblast growth factor 21 enhances angiogenesis and wound healing of human brain microvascular endothelial cells by activating PPAR α . <i>Journal of Pharmacological Sciences</i> , 2019 , 140, 120-127	3.7	23
46	Curcumane C and (E)-curcumane D, an unusual seco-cadinane sesquiterpenoid and a pair of unusual nor-bisabolane enantiomers with significant vasorelaxant activity from <i>Curcuma longa</i> . <i>Bioorganic Chemistry</i> , 2019 , 92, 103275	5.1	7
45	New sesquiterpenoids from the stems of <i>Dendrobium nobile</i> and their neuroprotective activities. <i>Phytotherapy</i> , 2019 , 138, 104351	3.2	15
44	FGF21 promotes functional recovery after hypoxic-ischemic brain injury in neonatal rats by activating the PI3K/Akt signaling pathway via FGFR1/Elk1. <i>Experimental Neurology</i> , 2019 , 317, 34-50	5.7	30
43	Non-inflammatory emphysema induced by NO chronic exposure and intervention with demethylation 5-Azacytidine. <i>Life Sciences</i> , 2019 , 221, 121-129	6.8	5
42	Predicting Antitumor Effect of Deoxypodophyllotoxin in NCI-H460 Tumor-Bearing Mice on the Basis of In Vitro Pharmacodynamics and a Physiologically Based Pharmacokinetic-Pharmacodynamic Model. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 897-907	4	8
41	Circulating Neutrophil Counts Decrease in Response to Mitigated Air Quality in Stable COPD Patients. <i>Biomedical and Environmental Sciences</i> , 2018 , 31, 66-71	1.1	1
40	Nanoplasmonic Quantification of Tumor-derived Extracellular Vesicles in Plasma Microsamples for Diagnosis and Treatment Monitoring. <i>Nature Biomedical Engineering</i> , 2017 , 1,	19	210
39	Effect of Co-overexpression of Nisin Key Genes on Nisin Production Improvement in <i>Lactococcus lactis</i> LS01. <i>Probiotics and Antimicrobial Proteins</i> , 2017 , 9, 204-212	5.5	14
38	Sorting Graphene Quantum Dots by Using Aluminum Ions. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2201-2206	2.3	3
37	The Exosome Total Isolation Chip. <i>ACS Nano</i> , 2017 , 11, 10712-10723	16.7	173
36	Polymorphisms in the receptor for advanced glycation end products gene are associated with susceptibility to drug-resistant epilepsy. <i>Neuroscience Letters</i> , 2016 , 619, 137-41	3.3	6
35	Dissemination of the mcr-1 colistin resistance gene. <i>Lancet Infectious Diseases</i> , 2016 , 16, 146-7	25.5	128

34	Effect of Lateral Size of Graphene Quantum Dots on Their Properties and Application. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2104-10	9.5	77
33	Expression Patterns of Three UGT Genes in Different Chemotype Safflower Lines and under MeJA Stimulus Revealed Their Potential Role in Flavonoid Biosynthesis. <i>PLoS ONE</i> , 2016 , 11, e0158159	3.7	9
32	Prediction of Deoxypodophyllotoxin Disposition in Mouse, Rat, Monkey, and Dog by Physiologically Based Pharmacokinetic Model and the Extrapolation to Human. <i>Frontiers in Pharmacology</i> , 2016 , 7, 488	5.6	11
31	Chemical-sensitive graphene modulator with a memory effect for internet-of-things applications. <i>Microsystems and Nanoengineering</i> , 2016 , 2, 16018	7.7	28
30	Molecular characterization of flavanone 3-hydroxylase gene and flavonoid accumulation in two chemotyped safflower lines in response to methyl jasmonate stimulation. <i>BMC Plant Biology</i> , 2016 , 16, 132	5.3	36
29	Graphene quantum dots with Zn ²⁺ and Ni ²⁺ conjugates can cleave supercoiled DNA. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 3395-3402	1.6	5
28	The Bacterial Mobile Resistome Transfer Network Connecting the Animal and Human Microbiomes. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 6672-6681	4.8	145
27	Is the Chain of Oxidation and Reduction Process Reversible in Luminescent Graphene Quantum Dots?. <i>Small</i> , 2015 , 11, 3773-81	11	44
26	Interactions of the primers and Mg ²⁺ with graphene quantum dots enhance PCR performance. <i>RSC Advances</i> , 2015 , 5, 74515-74522	3.7	6
25	Upconversion photoluminescent metal ion sensors via two photon absorption in graphene oxide quantum dots. <i>Carbon</i> , 2015 , 81, 367-375	10.4	49
24	Draft genomes of four enterotoxigenic Escherichia coli (ETEC) clinical isolates from China and Bangladesh. <i>Gut Pathogens</i> , 2015 , 7, 10	5.4	3
23	Graphene Quantum Dots: Is the Chain of Oxidation and Reduction Process Reversible in Luminescent Graphene Quantum Dots? (Small 31/2015). <i>Small</i> , 2015 , 11, 3772-3772	11	1
22	Synthesis and biological evaluation of 2,3-diaryl isoquinolinone derivatives as anti-breast cancer agents targeting ER α and VEGFR-2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 2129-33	2.9	19
21	Molecular evolution of the vertebrate FK506 binding protein 25. <i>International Journal of Genomics</i> , 2014 , 2014, 402603	2.5	2
20	Graphene Quantum Dots: Facile Synthetic Method for Pristine Graphene Quantum Dots and Graphene Oxide Quantum Dots: Origin of Blue and Green Luminescence (Adv. Mater. 27/2013). <i>Advanced Materials</i> , 2013 , 25, 3748-3748	24	6
19	Three-dimensional graphene micropillar based electrochemical sensor for phenol detection. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 387-92	11.8	88
18	FK506-binding protein 12 ligands: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2013 , 23, 1435-49	5.49	19
17	Photoluminescent graphene oxide microarray for multiplex heavy metal ion analysis. <i>Small</i> , 2013 , 9, 3410-14	10.4	33

16	Micropatterned reduced graphene oxide based field-effect transistor for real-time virus detection. <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 252-257	8.5	61
15	Facile synthetic method for pristine graphene quantum dots and graphene oxide quantum dots: origin of blue and green luminescence. <i>Advanced Materials</i> , 2013 , 25, 3657-62	24	480
14	Effect of chemical and structural feature of graphene on surface enhanced Raman scattering. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 8154-61	1.3	2
13	A novel molecular beacon bearing a graphite nanoparticle as a nanoquencher for in situ mRNA detection in cancer cells. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6785-9	9.5	37
12	Three-dimensional graphene oxide nanostructure for fast and efficient water-soluble dye removal. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 922-7	9.5	521
11	Fabrication of free-standing graphene composite films as electrochemical biosensors. <i>Carbon</i> , 2012 , 50, 123-133	10.4	82
10	Graphene-based electrochemical biosensor for pathogenic virus detection. <i>Biochip Journal</i> , 2011 , 5, 123-128	7.9	79
9	The photoluminescent graphene oxide serves as an acceptor rather than a donor in the fluorescence resonance energy transfer pair of Cy3.5-graphene oxide. <i>Chemical Communications</i> , 2011 , 47, 12149-51	5.8	36
8	Fabrication of free-standing multilayered graphene and poly(3,4-ethylenedioxythiophene) composite films with enhanced conductive and mechanical properties. <i>Langmuir</i> , 2010 , 26, 12902-8	4	94
7	DNA mediated water-dispersible graphene fabrication and gold nanoparticle-graphene hybrid. <i>Chemical Communications</i> , 2010 , 46, 2844-6	5.8	88
6	A Controllable Self-Assembly Method for Large-Scale Synthesis of Graphene Sponges and Free-Standing Graphene Films. <i>Advanced Functional Materials</i> , 2010 , 20, 1930-1936	15.6	235
5	A Graphene Oxide Based Immuno-biosensor for Pathogen Detection. <i>Angewandte Chemie</i> , 2010 , 122, 5844-5847	3.6	49
4	A graphene oxide based immuno-biosensor for pathogen detection. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5708-11	16.4	469
3	Graphene oxide arrays for detecting specific DNA hybridization by fluorescence resonance energy transfer. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2361-5	11.8	210
2	Hybrid nonribosomal peptide-polyketide interfaces in epothilone biosynthesis: minimal requirements at N and C termini of EpoB for elongation. <i>Chemistry and Biology</i> , 2004 , 11, 1533-42		29
1	Biosynthesis of Epothilone Intermediates with Alternate Starter Units: Engineering Polyketide Nonribosomal Interfaces. <i>Angewandte Chemie</i> , 2003 , 115, 4047-4051	3.6	7