

Xu Chen

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,292
citations

117625

34
h-index

175258

52
g-index

103
all docs

103
docs citations

103
times ranked

4446
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of functional selenium nanoparticles as potent antimicrobial agents against superbugs. <i>Acta Biomaterialia</i> , 2016, 30, 397-407.	8.3	157
2	Bacteria-Responsive Biomimetic Selenium Nanosystem for Multidrug-Resistant Bacterial Infection Detection and Inhibition. <i>ACS Nano</i> , 2019, 13, 13965-13984.	14.6	140
3	Advances in Pharmacological Activities of Terpenoids. <i>Natural Product Communications</i> , 2020, 15, 1934578X2090355.	0.5	127
4	The graphene oxide and chitosan biopolymer loads TiO ₂ for antibacterial and preservative research. <i>Food Chemistry</i> , 2017, 221, 267-277.	8.2	113
5	Photothermal-Chemotherapy Integrated Nanoparticles with Tumor Microenvironment Response Enhanced the Induction of Immunogenic Cell Death for Colorectal Cancer Efficient Treatment. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43393-43408.	8.0	105
6	Preparation of different sized nano-silver loaded on functionalized graphene oxide with highly effective antibacterial properties. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7020-7029.	5.8	104
7	Drug Delivery System Based on Near-Infrared Light-Responsive Molybdenum Disulfide Nanosheets Controls the High-Efficiency Release of Dexamethasone To Inhibit Inflammation and Treat Osteoarthritis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11587-11601.	8.0	98
8	Iridium/ruthenium nanozyme reactors with cascade catalytic ability for synergistic oxidation therapy and starvation therapy in the treatment of breast cancer. <i>Biomaterials</i> , 2020, 238, 119848.	11.4	89
9	Enzyme-Responsive Mesoporous Ruthenium for Combined Chemo-Photothermal Therapy of Drug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26590-26606.	8.0	87
10	Ruthenium complexes/polypeptide self-assembled nanoparticles for identification of bacterial infection and targeted antibacterial research. <i>Biomaterials</i> , 2017, 141, 296-313.	11.4	83
11	Erastin Reverses ABCB1-Mediated Docetaxel Resistance in Ovarian Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1398.	2.8	82
12	Curcumol induces cell cycle arrest in colon cancer cells via reactive oxygen species and Akt/GSK3 β /cyclin D1 pathway. <i>Journal of Ethnopharmacology</i> , 2018, 210, 1-9.	4.1	77
13	Effective PDT/PTT dual-modal phototherapeutic killing of pathogenic bacteria by using ruthenium nanoparticles. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6258-6270.	5.8	71
14	Curcumol inhibits colorectal cancer proliferation by targeting miR-21 and modulated PTEN/PI3K/Akt pathways. <i>Life Sciences</i> , 2019, 221, 354-361.	4.3	69
15	Movable Hollow Nanoparticles as Reactive Oxygen Scavengers. <i>CheM</i> , 2019, 5, 2378-2387.	11.7	68
16	Curcumol Inhibits Growth and Induces Apoptosis of Colorectal Cancer LoVo Cell Line via IGF-1R and p38 MAPK Pathway. <i>International Journal of Molecular Sciences</i> , 2015, 16, 19851-19867.	4.1	65
17	Microbubbles in combination with focused ultrasound for the delivery of quercetin-modified sulfur nanoparticles through the blood brain barrier into the brain parenchyma and relief of endoplasmic reticulum stress to treat Alzheimer's disease. <i>Nanoscale</i> , 2020, 12, 6498-6511.	5.6	63
18	Novel Angiogenic Activity and Molecular Mechanisms of ZYZ-803, a Slow-Releasing Hydrogen Sulfide-Nitric Oxide Hybrid Molecule. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 498-514.	5.4	55

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19	Curcumin triggers apoptosis of p53 mutant triple-negative human breast cancer MDA-MB 231 cells via activation of p73 and PUMA. <i>Oncology Letters</i> , 2017, 14, 1080-1088.	1.8	54
20	A photothermal-triggered nitric oxide nanogenerator combined with siRNA for precise therapy of osteoarthritis by suppressing macrophage inflammation. <i>Nanoscale</i> , 2019, 11, 6693-6709.	5.6	53
21	Vasculogenic Mimicry in Prostate Cancer: The Roles of EphA2 and PI3K. <i>Journal of Cancer</i> , 2016, 7, 1114-1124.	2.5	52
22	Zipper-interacting protein kinase promotes epithelial-mesenchymal transition, invasion and metastasis through AKT and NF- κ B signaling and is associated with metastasis and poor prognosis in gastric cancer patients. <i>Oncotarget</i> , 2015, 6, 8323-8338.	1.8	51
23	Cationic chitosan@Ruthenium dioxide hybrid nanozymes for photothermal therapy enhancing ROS-mediated eradicating multidrug resistant bacterial infection. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 615-632.	9.4	50
24	A core-shell structure QRu-PLGA-RES-DS NP nanocomposite with photothermal response-induced M2 macrophage polarization for rheumatoid arthritis therapy. <i>Nanoscale</i> , 2019, 11, 18209-18223.	5.6	48
25	Gd ³⁺ -Doped MoSe ₂ nanosheets used as a theranostic agent for bimodal imaging and highly efficient photothermal cancer therapy. <i>Biomaterials Science</i> , 2018, 6, 372-387.	5.4	47
26	Hollow mesoporous ruthenium nanoparticles conjugated bispecific antibody for targeted anti-colorectal cancer response of combination therapy. <i>Nanoscale</i> , 2019, 11, 9661-9678.	5.6	46
27	Hydrogen sulfide protects against DSS-induced colitis by inhibiting NLRP3 inflammasome. <i>Free Radical Biology and Medicine</i> , 2019, 137, 99-109.	2.9	45
28	Chiral penicillamine-modified selenium nanoparticles enantioselectively inhibit metal-induced amyloid β aggregation for treating Alzheimer's disease. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1001-1010.	9.4	42
29	Upregulation of Piezo1 (Piezo Type Mechanosensitive Ion Channel Component 1) Enhances the Intracellular Free Calcium in Pulmonary Arterial Smooth Muscle Cells From Idiopathic Pulmonary Arterial Hypertension Patients. <i>Hypertension</i> , 2021, 77, 1974-1989.	2.7	42
30	Folic acid-modified mesoporous silica nanoparticles with pH-responsiveness loaded with Amp for an enhanced effect against anti-drug-resistant bacteria by overcoming efflux pump systems. <i>Biomaterials Science</i> , 2018, 6, 1923-1935.	5.4	41
31	Proximal Tubule-Specific Deletion of the NHE3 (Na ⁺ /H ⁺ Exchanger 3) in the Kidney Attenuates Ang II (Angiotensin II)-Induced Hypertension in Mice. <i>Hypertension</i> , 2019, 74, 526-535.	2.7	39
32	Beclin1 haploinsufficiency rescues low ambient temperature-induced cardiac remodeling and contractile dysfunction through inhibition of ferroptosis and mitochondrial injury. <i>Metabolism: Clinical and Experimental</i> , 2020, 113, 154397.	3.4	39
33	Curcumin induces cell cycle arrest and apoptosis by inhibiting IGF1R/PI3K/Akt signaling pathway in human nasopharyngeal carcinoma CNE2 cells. <i>Phytotherapy Research</i> , 2018, 32, 2214-2225.	5.8	38
34	Targeted hexagonal Pd nanosheet combination therapy for rheumatoid arthritis via the photothermal controlled release of MTX. <i>Journal of Materials Chemistry B</i> , 2019, 7, 112-122.	5.8	37
35	Comparison of laparoscopic and open radical hysterectomy in cervical cancer patients with tumor size \leq 2 cm. <i>International Journal of Gynecological Cancer</i> , 2020, 30, 564-571.	2.5	37
36	TRIM72 contributes to cardiac fibrosis via regulating STAT3/Notch1 signaling. <i>Journal of Cellular Physiology</i> , 2019, 234, 17749-17756.	4.1	34

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37	Identification and validation nucleolin as a target of curcumol in nasopharyngeal carcinoma cells. <i>Journal of Proteomics</i> , 2018, 182, 1-11.	2.4	31
38	Polypeptide nano-Se targeting inflammation and theranostic rheumatoid arthritis by anti-angiogenic and NO activating AMPK \pm signaling pathway. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3497-3514.	5.8	31
39	Puerarin improves metabolic function leading to hepatoprotective effects in chronic alcohol-induced liver injury in rats. <i>Phytomedicine</i> , 2013, 20, 849-852.	5.3	30
40	Cardiovascular disease in patients with COVID-19: evidence from cardiovascular pathology to treatment. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 273-282.	2.0	30
41	Apoptosis-induced anti-tumor effect of <i>Curcuma kwangsiensis</i> polysaccharides against human nasopharyngeal carcinoma cells. <i>Carbohydrate Polymers</i> , 2012, 89, 1067-1072.	10.2	28
42	Porous selenium nanozymes targeted scavenging ROS synchronize therapy local inflammation and sepsis injury. <i>Applied Materials Today</i> , 2021, 22, 100929.	4.3	28
43	Iridium oxide nanoparticles mediated enhanced photodynamic therapy combined with photothermal therapy in the treatment of breast cancer. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 851-862.	9.4	28
44	ANP32A modulates cell growth by regulating p38 and Akt activity in colorectal cancer. <i>Oncology Reports</i> , 2017, 38, 1605-1612.	2.6	27
45	CD74 ablation rescues type 2 diabetes mellitus-induced cardiac remodeling and contractile dysfunction through pyroptosis-evoked regulation of ferroptosis. <i>Pharmacological Research</i> , 2022, 176, 106086.	7.1	27
46	miR-155 targets Est-1 and induces ulcerative colitis via the IL-23/17/6-mediated Th17 pathway. <i>Pathology Research and Practice</i> , 2017, 213, 1289-1295.	2.3	26
47	Responsive functionalized MoSe ₂ nanosystem for highly efficient synergistic therapy of breast cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110820.	5.0	25
48	Selenium-core nanozymes dynamically regulates A β & neuroinflammation circulation: Augmenting repair of nervous damage. <i>Chemical Engineering Journal</i> , 2021, 418, 129345.	12.7	24
49	Anti-Hepatitis B Virus Activity of Esculetin from <i>Microsorium fortunei</i> In Vitro and In Vivo. <i>Molecules</i> , 2019, 24, 3475.	3.8	22
50	The cellular immunotherapy of integrated photothermal anti-oxidation Pd@Se nanoparticles in inhibition of the macrophage inflammatory response in rheumatoid arthritis. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1993-2003.	12.0	20
51	Matrix metalloproteinase-9 is required for vasculogenic mimicry by clear cell renal carcinoma cells. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2015, 33, 168.e9-168.e16.	1.6	19
52	PTEN/AKT/mTOR signaling mediates anticancer effects of epigallocatechin gallate in ovarian cancer. <i>Oncology Reports</i> , 2020, 43, 1885-1896.	2.6	19
53	Flower-like gold nanoparticles for enhanced photothermal anticancer therapy by the delivery of pooled siRNA to inhibit heat shock stress response. <i>Journal of Materials Chemistry B</i> , 2019, 7, 586-597.	5.8	18
54	Curcumol inhibits the viability and invasion of colorectal cancer cells via miR-30a-5p and Hippo signaling pathway. <i>Oncology Letters</i> , 2021, 21, 299.	1.8	18

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55	Who will benefit from surgical repair for painful varicocele: a meta-analysis. <i>International Urology and Nephrology</i> , 2016, 48, 1071-1078.	1.4	17
56	Osthole induces necroptosis via ROS overproduction in glioma cells. <i>FEBS Open Bio</i> , 2021, 11, 456-467.	2.3	17
57	Balancing the toxicity, photothermal effect, and promotion of osteogenesis: Photothermal scaffolds for malignant bone tumor therapy. <i>Materials Today Advances</i> , 2022, 13, 100209.	5.2	17
58	Application of the chromatographic fingerprint for quality control of essential oil from GuangXi <i>Curcuma kwangsiensis</i> . <i>Medicinal Chemistry Research</i> , 2009, 18, 158-165.	2.4	16
59	Defense and inhibition integrated mesoporous nanoselenium delivery system against tomato gray mold. <i>Environmental Science: Nano</i> , 2020, 7, 210-227.	4.3	16
60	Nonenzymatic function of DPP4 in diabetes-associated mitochondrial dysfunction and cognitive impairment. <i>Alzheimer's and Dementia</i> , 2022, 18, 966-987.	0.8	16
61	New insights of epigenetics in vascular and cellular senescence. <i>Journal of Translational Internal Medicine</i> , 2021, 9, 239-248.	2.5	14
62	Inflammation-responsive functional Ru nanoparticles combining a tumor-associated macrophage repolarization strategy with phototherapy for colorectal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6210-6223.	5.8	13
63	Advances in the Protective Mechanism of NO, H ₂ S, and H ₂ in Myocardial Ischemic Injury. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 588206.	2.4	13
64	Mogroside V reduce OVA-induced pulmonary inflammation based on lung and serum metabolomics. <i>Phytomedicine</i> , 2021, 91, 153682.	5.3	13
65	Curcumol inhibits EBV-positive Nasopharyngeal carcinoma migration and invasion by targeting nucleolin. <i>Biochemical Pharmacology</i> , 2021, 192, 114742.	4.4	13
66	Network Pharmacology and Comparative Transcriptome Reveals Biotargets and Mechanisms of Curcumol Treating Lung Adenocarcinoma Patients With COVID-19. <i>Frontiers in Nutrition</i> , 2022, 9, 870370.	3.7	13
67	Survivin Promotes Piperlongumine Resistance in Ovarian Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1345.	2.8	12
68	A syringic acid derivative and two iridoid glycosides from the roots of <i>Stachys geobombycis</i> and their antioxidant properties. <i>Natural Product Research</i> , 2019, 33, 681-686.	1.8	12
69	Curcumol simultaneously induces both apoptosis and autophagy in human nasopharyngeal carcinoma cells. <i>Phytotherapy Research</i> , 2021, 35, 7004-7017.	5.8	12
70	Ru nanoparticles coated with \hat{I}^3 -Fe ₂ O ₃ promoting and monitoring the differentiation of human mesenchymal stem cells via MRI tracking. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 701-711.	5.0	11
71	Iridoid glycosides and lignans from the fruits of <i>Gardenia jasminoides</i> Eills. <i>Phytochemistry</i> , 2021, 190, 112893.	2.9	11
72	A Combined Transcriptomic and Proteomic Approach to Reveal the Effect of Mogroside V on OVA-Induced Pulmonary Inflammation in Mice. <i>Frontiers in Immunology</i> , 2022, 13, 800143.	4.8	11

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73	Vasculogenic mimicry plays an important role in adrenocortical carcinoma. <i>International Journal of Urology</i> , 2016, 23, 371-377.	1.0	10
74	Alkaloids and lignans with acetylcholinesterase inhibitory activity from the flower buds of <i>Magnolia biõndii</i> Pamp. <i>New Journal of Chemistry</i> , 2020, 44, 10309-10316.	2.8	10
75	Knockout of macrophage migration inhibitory factor accentuates side-stream smoke exposure-induced myocardial contractile dysfunction through dysregulated mitophagy. <i>Pharmacological Research</i> , 2020, 157, 104828.	7.1	10
76	A diselenide bond-containing ROS-responsive ruthenium nanoplatfõrm delivers nerve growth factor for Alzheimer's disease management by repairing and promoting neuron regeneration. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7835-7847.	5.8	9
77	A ruthenium nanoframe/enzyme composite system as a self-activating cascade agent for the treatment of bacterial infections. <i>Nanoscale</i> , 2021, 13, 14900-14914.	5.6	9
78	A hybrid nanozymes <i>in situ</i> oxygen supply synergistic photothermal/chemotherapy of cancer management. <i>Biomaterials Science</i> , 2021, 9, 5330-5343.	5.4	9
79	Peptide-Modified Mo Polyoxometalate Nanoparticles Suppress Zn ²⁺ -Induced A β ² Aggregation. <i>ChemNanoMat</i> , 2019, 5, 897-910.	2.8	7
80	The Relationship Between Plasma DPP4 Activity to BDNF Ratio and Mild Cognitive Impairment in Elderly Population With Normal Glucose Tolerance. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 33.	3.4	7
81	Clinical features and prognostic factors of cervical villoglandular adenocarcinoma. <i>International Journal of Gynecological Cancer</i> , 2021, 31, 512-517.	2.5	6
82	Ten undescribed diterpenoid quinones derived from the <i>Salvia miltiorrhiza</i> . <i>Phytochemistry</i> , 2022, 200, 113224.	2.9	6
83	New tetralone derivatives from the leaves of <i>Cyclocarya paliurus</i> . <i>Journal of Asian Natural Products Research</i> , 2019, 21, 157-164.	1.4	5
84	Chemical Constituents from the Flowers of <i>Carthamus tinctorius</i> L. and Their Lung Protective Activity. <i>Molecules</i> , 2022, 27, 3573.	3.8	5
85	Osthole Induces Apoptosis and Caspase-3/GSDME-Dependent Pyroptosis via NQO1-Mediated ROS Generation in HeLa Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-22.	4.0	5
86	Anti-hepatitis B virus activity and hepatoprotective effect of des(rhamnosyl) verbascoside from <i>Lindernia ruellioides</i> in vitro. <i>Phytotherapy Research</i> , 2021, 35, 4555-4566.	5.8	4
87	The caffeoyl phenylethanoid glycosides from <i>Lindernia ruellioides</i> and their anti-HBV effects. <i>Journal of Asian Natural Products Research</i> , 2018, 20, 757-762.	1.4	3
88	Saffloflavone, a new flavonoid from the flowers of <i>Carthamus tinctorius</i> L. and its cardioprotective activity. <i>Natural Product Research</i> , 2021, , 1-6.	1.8	3
89	The novel immune-related genes predict the prognosis of patients with hepatocellular carcinoma. <i>Scientific Reports</i> , 2021, 11, 10728.	3.3	3
90	Computed tomography manifestations in super early stage 2019 novel coronavirus pneumonia. <i>Acta Radiologica</i> , 2021, 62, 360-367.	1.1	3

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91	A new quinic acid derivative with $\hat{\pm}$ -glucosidase inhibitory activity from the fruit of <i>Gardenia jasminoides</i> J.Ellis. <i>Natural Product Research</i> , 2021, , 1-7.	1.8	2
92	Clinicalpathologic and Prognostic Significance of CGI-58 in Endometrial Cancer. <i>Journal of Cancer</i> , 2021, 12, 7374-7379.	2.5	2
93	A new glucopyranoside from the leaves of <i>Microsorium fortunei</i> . <i>Natural Product Research</i> , 2020, 35, 1-6.	1.8	1
94	Association between plasma dipeptidyl peptidase-4 activity to brain-derived neurotrophic factor ratio and depressive symptoms in middle-aged and older adults with normal glucose tolerance: A cross-sectional study. <i>World Journal of Biological Psychiatry</i> , 2020, 21, 642-650.	2.6	1
95	Photosensitive properties, synergistic antibacterial abilities of intelligent response-type self-assembled nanoparticle TiO ₂ @V ₂ O ₅ . <i>Journal of Biomaterials Applications</i> , 2021, 35, 696-708.	2.4	1
96	The liver metabolic features of Mogroside V compared to <i>Siraitia grosvenorii</i> fruit extract in allergic pneumonia mice. <i>Molecular Immunology</i> , 2022, 145, 80-87.	2.2	1
97	A new triterpenoid from the leaves of <i>Rhodomyrtus tomentosa</i> (Ait.) Hassk. <i>Natural Product Research</i> , 2019, 35, 1-6.	1.8	0
98	Studies on the Ketoprofen- Polybutylcyanoacrylate-Nanoparticles of Zedoary Turmeric Oil. , 2011, , 1195-1199.		0