

Xuwen Wang

List of Publications by Year in descending order

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96
papers

2,191
citations

186265

28
h-index

289244

40
g-index

98
all docs

98
docs citations

98
times ranked

2581
citing authors

#	ARTICLE	IF	CITATIONS
1	Disclosing targets and pharmacological mechanisms of total bioflavonoids extracted from <i>Selaginella doederleinii</i> against non-small cell lung cancer by combination of network pharmacology and proteomics. <i>Journal of Ethnopharmacology</i> , 2022, 286, 114836.	4.1	4
2	Quaternized carbon quantum dots with broad-spectrum antibacterial activity for the treatment of wounds infected with mixed bacteria. <i>Acta Biomaterialia</i> , 2022, 138, 528-544.	8.3	70
3	Synthesis, biological evaluation, pharmacokinetic studies and molecular docking of 4-acetyl-delicaflavone as antitumor agents. <i>Bioorganic Chemistry</i> , 2022, 120, 105638.	4.1	5
4	Metal-organic framework-based biomimetic cascade bioreactor for highly efficient treatment of hyperuricemia with low side effects. <i>New Journal of Chemistry</i> , 2022, 46, 6852-6855.	2.8	2
5	Synthesis of curcumin-quaternized carbon quantum dots with enhanced broad-spectrum antibacterial activity for promoting infected wound healing. <i>Materials Science and Engineering C</i> , 2022, 133, 112608.	7.3	13
6	Isoorientin attenuates doxorubicin-induced cardiac injury via the activation of MAPK, Akt, and Caspase-dependent signaling pathways. <i>Phytomedicine</i> , 2022, 101, 154105.	5.3	16
7	Tissue Distribution, Excretion, and Interaction With Human Serum Albumin of Total Bioflavonoid Extract From <i>Selaginella doederleinii</i> . <i>Frontiers in Pharmacology</i> , 2022, 13, 849110.	3.5	2
8	The PLGA nanoparticles for sustainable release of CGRP to ameliorate the inflammatory and vascular disorders in the lung of CGRP-deficient rats. <i>Drug Delivery</i> , 2021, 28, 865-872.	5.7	6
9	Facile surface functional polyetheretherketone with antibacterial and immunoregulatory activities for enhanced regeneration toward bacterium-infected bone destruction. <i>Drug Delivery</i> , 2021, 28, 1649-1663.	5.7	18
10	Molecular mechanism and pharmacokinetics of flavonoids in the treatment of resistant EGF receptor-mutated non-small cell lung cancer: A narrative review. <i>British Journal of Pharmacology</i> , 2021, 178, 1388-1406.	5.4	10
11	Integration of fluorescent polydopamine nanoparticles on protamine for simple and sensitive trypsin assay. <i>Analytica Chimica Acta</i> , 2021, 1148, 338201.	5.4	15
12	Antibacterial activity of positively charged carbon quantum dots without detectable resistance for wound healing with mixed bacteria infection. <i>Materials Science and Engineering C</i> , 2021, 123, 111971.	7.3	73
13	Rapid Determination of 7-Hydroxycoumarin Using a Nanogold/ Poly-thionine Modified Glass Carbon Electrode. <i>Analytical Sciences</i> , 2021, 37, 1073-1079.	1.6	4
14	A signal-off fluorescent strategy for deferasirox effective detection using carbon dots as probe and Cu ²⁺ as medium. <i>Analytica Chimica Acta</i> , 2021, 1179, 338853.	5.4	15
15	Boosting the oxidase-like activity of platinum nanozyme in MBTH-TOOS chromogenic system for detection of trypsin and its inhibitor. <i>Talanta</i> , 2021, 234, 122647.	5.5	8
16	Dual-probe fluorescent biosensor based on T7 exonuclease-assisted target recycling amplification for simultaneous sensitive detection of microRNA-21 and microRNA-155. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1605-1614.	3.7	22
17	Label-free colorimetric detection of glutathione by autocatalytic oxidation of o-phenylenediamine based on Au ³⁺ regulation and its application. <i>New Journal of Chemistry</i> , 2021, 45, 9066-9072.	2.8	0
18	Recent Research Progress (2015-2021) and Perspectives on the Pharmacological Effects and Mechanisms of Tanshinone IIA. <i>Frontiers in Pharmacology</i> , 2021, 12, 778847.	3.5	20

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19	Pharmacokinetics, Tissue Distribution, and Human Serum Albumin Binding Properties of Delicaflavone, a Novel Anti-Tumor Candidate. <i>Frontiers in Pharmacology</i> , 2021, 12, 761884.	3.5	10
20	Delicaflavone induces ROS-mediated apoptosis and inhibits PI3K/AKT/mTOR and Ras/MEK/Erk signaling pathways in colorectal cancer cells. <i>Biochemical Pharmacology</i> , 2020, 171, 113680.	4.4	57
21	Ratiometric fluorescence sensor based on carbon dots as internal reference signal and T7 exonuclease-assisted signal amplification strategy for microRNA-21 detection. <i>Analytica Chimica Acta</i> , 2020, 1103, 212-219.	5.4	44
22	Detection of Epidermal Growth Factor Receptor Gene Status <i>via</i> a DNA Electrochemical Biosensor Based on Lambda Exonuclease-assisted Signal Amplification. <i>Analytical Sciences</i> , 2020, 36, 697-702.	1.6	7
23	A simple fluorescence assay for trypsin through a protamine-induced carbon quantum dot-quenching aggregation platform. <i>RSC Advances</i> , 2020, 10, 26765-26770.	3.6	9
24	A facile route for constructing Cu ²⁺ /Ni ²⁺ peroxidase mimics. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8599-8606.	5.8	31
25	Ethyl Acetate Extract of <i>Selaginella doederleinii</i> Hieron Induces Cell Autophagic Death and Apoptosis in Colorectal Cancer via PI3K-Akt-mTOR and AMPK \pm -Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2020, 11, 565090.	3.5	13
26	<p>Delicaflavone Reverses Cisplatin Resistance via Endoplasmic Reticulum Stress Signaling Pathway in Non-Small Cell Lung Cancer Cells</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 10315-10322.	2.0	8
27	Potential mechanism of action of <i>Ilex sonchifolia</i> extract injection against cardiovascular diseases revealed by combination of HPLC-Q-TOF-MS, virtual screening and systems pharmacology approach. <i>RSC Advances</i> , 2020, 10, 38497-38504.	3.6	8
28	Rapid construction of polyetheretherketone (PEEK) biological implants incorporated with brushite (CaHPO ₄ ·2H ₂ O) and antibiotics for anti-infection and enhanced osseointegration. <i>Materials Science and Engineering C</i> , 2020, 111, 110782.	7.3	45
29	Improved solubility, dissolution rate, and oral bioavailability of main biflavonoids from <i>Selaginella doederleinii</i> extract by amorphous solid dispersion. <i>Drug Delivery</i> , 2020, 27, 309-322.	5.7	38
30	Colorimetric acid phosphatase sensor based on MoO ₃ nanozyme. <i>Analytica Chimica Acta</i> , 2020, 1105, 162-168.	5.4	66
31	Determination of chondroitin sulfate in synovial fluid and drug by ratiometric fluorescence strategy based on carbon dots quenched FAM-labeled ssDNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111030.	5.0	11
32	An integrated pharmacokinetic study of Dengzhanxixin injection in rats by combination of multicomponent pharmacokinetics and anti-myocardial ischemic assay. <i>RSC Advances</i> , 2019, 9, 25309-25317.	3.6	6
33	Nitrogen-doped carbon dots as a ratiometric fluorescent probe for determination of the activity of acid phosphatase, for inhibitor screening, and for intracellular imaging. <i>Mikrochimica Acta</i> , 2019, 186, 558.	5.0	28
34	<p>Proliposomes for oral delivery of total biflavonoids extract from <i>Selaginella doederleinii</i> : formulation development, optimization, and in vitro<sup>in vivo</sup> characterization</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6691-6706.	6.7	24
35	PRSS1 mutation: a possible pathomechanism of pancreatic carcinogenesis and pancreatic cancer. <i>Molecular Medicine</i> , 2019, 25, 44.	4.4	16
36	<p>Protective effects of five compounds from <i>Livistona chinensis</i> R. Brown leaves against hypoxia/reoxygenation, H ₂ O ₂ , or adriamycin-induced injury in H9c2 cells</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1555-1566.	4.3	10

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37	Delicaflavone induces apoptosis via mitochondrial pathway accompanying G2/M cycle arrest and inhibition of MAPK signaling cascades in cervical cancer HeLa cells. <i>Phytomedicine</i> , 2019, 62, 152973.	5.3	35
38	Fluorescence sensing of tyrosinase activity based on amine rich carbon dots through direct interaction in a homogeneous system: detection mechanism and application. <i>RSC Advances</i> , 2019, 9, 20029-20034.	3.6	17
39	Insight into the DNA adsorption on nitrogen-doped positive carbon dots. <i>RSC Advances</i> , 2019, 9, 12462-12469.	3.6	16
40	Microarray analysis of long noncoding RNAs and mRNA expression profiles in human steroid-induced avascular necrosis of the femoral head. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15800-15813.	2.6	9
41	Nitrogen-doped carbon quantum dots as an antimicrobial agent against <i>Staphylococcus</i> for the treatment of infected wounds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 17-27.	5.0	93
42	Facile electrochemiluminescence sensing platform based on water-soluble tungsten oxide quantum dots for ultrasensitive detection of dopamine released by cells. <i>Analytica Chimica Acta</i> , 2019, 1065, 21-28.	5.4	19
43	Facilely prepared low-density DNA monolayer-based electrochemical biosensor with high detection performance in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2101-2109.	3.7	5
44	The Distributional Characteristic and Growing Trend of Pancreatic Cancer in China. <i>Pancreas</i> , 2019, 48, 309-314.	1.1	42
45	Simultaneous Determination of Five Phenolic Acids and Four Flavonoid Glycosides in Rat Plasma Using HPLC-MS/MS and Its Application to a Pharmacokinetic Study after a Single Intravenous Administration of Kudiezi Injection. <i>Molecules</i> , 2019, 24, 64.	3.8	7
46	Surging HIV-1 CRF07_BC epidemic among recently infected men who have sex with men in Fujian, China. <i>Journal of Medical Virology</i> , 2018, 90, 1210-1221.	5.0	15
47	Anticancer effect of petroleum ether extract from <i>Bidens pilosa</i> L and its constituent's analysis by GC-MS. <i>Journal of Ethnopharmacology</i> , 2018, 217, 126-133.	4.1	21
48	A comprehensive review of recent studies on pharmacokinetics of traditional Chinese medicines (2014-2017) and perspectives. <i>Drug Metabolism Reviews</i> , 2018, 50, 161-192.	3.6	35
49	Carbon nitride quantum dot-enhanced chemiluminescence of hydrogen peroxide and hydrosulfite and its application in ascorbic acid sensing. <i>Analytical Methods</i> , 2018, 10, 474-480.	2.7	13
50	A signal-on ratiometric fluorometric heparin assay based on the direct interaction between amino-modified carbon dots and DNA. <i>Mikrochimica Acta</i> , 2018, 185, 260.	5.0	28
51	Simultaneous quantification of five biflavonoids in rat plasma by LC-ESI-MS/MS and its application to a comparative pharmacokinetic study of <i>Selaginella doederleinii</i> Hieron extract in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 80-88.	2.8	26
52	Identification of Pharmacokinetic Markers for Guanxin Danshen Drop Pills in Rats by Combination of Pharmacokinetics, Systems Pharmacology, and Pharmacodynamic Assays. <i>Frontiers in Pharmacology</i> , 2018, 9, 1493.	3.5	14
53	A Simple and Effective Colorimetric Assay for Glucose Based on MnO ₂ Nanosheets. <i>Sensors</i> , 2018, 18, 2525.	3.8	19
54	Fluorescent turn-off competitive immunoassay for biotin based on hydrothermally synthesized carbon dots. <i>Mikrochimica Acta</i> , 2017, 184, 907-914.	5.0	17

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55	<i>In Situ</i> Growth of Plasmonic Gold Nanoparticles for the Direct and Sensitive Colorimetric Assay of Glucose. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 378-383.	1.9	4
56	A strategy for integrated pharmacokinetic study of cardiovascular herbal medicines based on chemiluminescence and HPLC-MS/MS assays: a case using Danshen injection. <i>RSC Advances</i> , 2017, 7, 13570-13583.	3.6	13
57	Electrochemiluminescence sensor based on methionine-modified gold nanoclusters for highly sensitive determination of dopamine released by cells. <i>Mikrochimica Acta</i> , 2017, 184, 735-743.	5.0	45
58	Highly sensitive and rapid colorimetric sensing platform based on water-soluble WO ₃ quantum dots with intrinsic peroxidase-like activity. <i>Analytica Chimica Acta</i> , 2017, 992, 128-134.	5.4	22
59	Pharmacokinetics study of isorhamnetin in rat plasma by a sensitive electrochemical sensor based on reduced graphene oxide. <i>RSC Advances</i> , 2017, 7, 36728-36734.	3.6	5
60	Electrochemical DNA biosensor based on grafting-to mode of terminal deoxynucleoside transferase-mediated extension. <i>Biosensors and Bioelectronics</i> , 2017, 98, 345-349.	10.1	13
61	Delicaflavone induces autophagic cell death in lung cancer via Akt/mTOR/p70S6K signaling pathway. <i>Journal of Molecular Medicine</i> , 2017, 95, 311-322.	3.9	44
62	DPPH [•] -luminol chemiluminescence system and its application in the determination of scutellarin in pharmaceutical injections and rat plasma with flow injection analysis. <i>Luminescence</i> , 2017, 32, 588-595.	2.9	6
63	Analysis of the Total Biflavonoids Extract from <i>Selaginella doederleinii</i> by HPLC-QTOF-MS and Its In Vitro and In Vivo Anticancer Effects. <i>Molecules</i> , 2017, 22, 325.	3.8	64
64	Simple and effective label-free electrochemical immunoassay for carbohydrate antigen 19-9 based on polythionine-Au composites as enhanced sensing signals for detecting different clinical samples. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3049-3058.	6.7	40
65	Simultaneous Determination of Eight Phenolic Acids, Five Saponins and Four Tanshinones for Quality Control of Compound Preparations Containing Danshen-Sanqi Herb-pair by HPLC-DAD. <i>Pharmacognosy Magazine</i> , 2017, 13, 64-75.	0.6	8
66	Chemiluminescent properties of a fluorescent SiC/SiO ₂ composite. <i>RSC Advances</i> , 2016, 6, 86602-86606.	3.6	1
67	An electrochemical sensor based on DNA polymerase and HRP-SiO ₂ nanoparticles for the ultrasensitive detection of K-ras gene point mutation. <i>RSC Advances</i> , 2016, 6, 8669-8676.	3.6	11
68	Ethyl acetate extract from <i>Selaginella doederleinii</i> Hieron inhibits the growth of human lung cancer cells A549 via caspase-dependent apoptosis pathway. <i>Journal of Ethnopharmacology</i> , 2016, 190, 261-271.	4.1	45
69	Fabrication and multifunctional properties of ultrasmall water-soluble tungsten oxide quantum dots. <i>Chemical Communications</i> , 2016, 52, 9534-9537.	4.1	27
70	Signal-on fluorescent sensor based on GQDs/MnO ₂ composite for glutathione. <i>Analytical Methods</i> , 2016, 8, 2366-2374.	2.7	28
71	Ratiometric electrochemical immunoassay based on internal reference value for reproducible and sensitive detection of tumor marker. <i>Biosensors and Bioelectronics</i> , 2016, 81, 173-180.	10.1	67
72	Pharmacokinetics, Tissue Distribution and Protein Binding Studies of Chrysocauloflavone I in Rats. <i>Planta Medica</i> , 2016, 82, 217-223.	1.3	12

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73	Sensitive electrochemical immunosensor based on three-dimensional nanostructure gold electrode. <i>International Journal of Nanomedicine</i> , 2015, 10, 2219.	6.7	10
74	Metabolism and plasma pharmacokinetics of isoorientin, a natural active ingredient, in Sprague-Dawley male rats after oral and intravenous administration. <i>Xenobiotica</i> , 2015, 45, 999-1008.	1.1	11
75	A label-free electrochemical immunosensor based on poly(thionine)-SDS nanocomposites for CA19-9 detection. <i>Analytical Methods</i> , 2015, 7, 4508-4513.	2.7	19
76	Aptamer based turn-off fluorescent ATP assay using DNA concatamers. <i>Mikrochimica Acta</i> , 2015, 182, 2387-2393.	5.0	10
77	Electrochemical immunoassay based on polythionine as the signal source for the sensitive detection of carcinoma embryonic antigen. <i>Analytical Methods</i> , 2015, 7, 10339-10344.	2.7	11
78	A molecular switch sensor for detection of PRSS1 genotype based on site-specific DNA cleavage of restriction endonuclease. <i>Annals of Clinical and Laboratory Science</i> , 2015, 45, 128-33.	0.2	1
79	A robust and versatile signal-on fluorescence sensing strategy based on SYBR Green I dye and graphene oxide. <i>International Journal of Nanomedicine</i> , 2014, 10, 147.	6.7	12
80	Development of an Electrochemical Sensing Technique for Rapid Genotyping of Hepatitis B Virus. <i>Sensors</i> , 2014, 14, 5611-5621.	3.8	5
81	A novel nanocomposite matrix based on graphene oxide and ferrocene-branched organically modified sol-gel/chitosan for biosensor application. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1941-1949.	2.5	34
82	Selective electrochemical determination of dopamine in serum in the presence of ascorbic acid and uric acid by using a CuO nanoleaf electrode. <i>Analytical Methods</i> , 2014, 6, 7923-7927.	2.7	22
83	Preparative Isolation of six Anti-tumour Biflavonoids from <i>Selaginella Doederleinii</i> Hieron by High-Speed Counter-current Chromatography. <i>Phytochemical Analysis</i> , 2014, 25, 127-133.	2.4	59
84	Design of a Solid-State Electrochemiluminescence Biosensor for Detection of PML/RAR α Fusion Gene Using Ru(bpy) $_3^{3+}$ -AuNPs Aggregations on Gold Electrode. <i>Electroanalysis</i> , 2013, 25, 1388-1394.	2.9	2
85	A gold electrode with a flower-like gold nanostructure for simultaneous determination of dopamine and ascorbic acid. <i>Mikrochimica Acta</i> , 2013, 180, 537-544.	5.0	47
86	CuO nanoleaf electrode: facile preparation and nonenzymatic sensor applications. <i>Mikrochimica Acta</i> , 2013, 180, 371-378.	5.0	47
87	An electrochemical DNA sensor for detection of cytokeratin 19. <i>Analytical Methods</i> , 2013, 5, 2329.	2.7	4
88	Determination of Seven Biflavones of <i>Selaginella Doederleinii</i> by High Performance Liquid Chromatography. <i>Analytical Letters</i> , 2013, 46, 2835-2845.	1.8	17
89	Electrochemical biosensor based on nanoporous gold electrode for detection of PML/RAR α fusion gene. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3812-3817.	10.1	50
90	A Sandwich-type Electrochemical Biosensor for Detection of BCR/ABL Fusion Gene Using Locked Nucleic Acids on Gold Electrode. <i>Electroanalysis</i> , 2009, 21, 1159-1166.	2.9	25

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91	On-Line Screening and Identification of Radical Scavenging Compounds Extracted from Flos Lonicerae by LC-DAD-TOF-MS. <i>Chromatographia</i> , 2008, 68, 327-332.	1.3	13
92	Electrochemical Oxidation and Determination of Norepinephrine in the Presence of Ascorbic Acid and Uric Acid at a Poly(Calconcarboxylic Acid)-Modified Electrode. <i>Annali Di Chimica</i> , 2007, 97, 1217-1226.	0.6	6
93	Electrocatalytic Oxidation and Determination of Dopamine in the Presence of Ascorbic Acid and Uric Acid at a Poly (4-(2-Pyridylazo)-Resorcinol) Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 612-615.	2.9	56
94	Electrochemical Studies of the Interaction of 2-Nitroacridone with DNA and Determination of DNA. <i>Electroanalysis</i> , 2007, 19, 1765-1772.	2.9	19
95	Electrocatalytic Oxidation and Determination of Norepinephrine at Poly(Cresol Red) Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2005, 17, 941-945.	2.9	29
96	Electrochemical Characterization of Polymerized Cresol Red Film Modified Glassy Carbon Electrode and Separation of Electrocatalytic Responses for Ascorbic Acid and Dopamine Oxidation. <i>Mikrochimica Acta</i> , 2005, 151, 101-107.	5.0	62