

Dongmei Wang

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Environmental Factors on the Active Substance Production and Antioxidant Activity in <i>Potentilla fruticosa</i> L. and Its Quality Assessment. <i>Scientific Reports</i> , 2016, 6, 28591.	3.3	121
2	Purification and Characterization of Flavonoids from the Leaves of <i>Zanthoxylum bungeanum</i> and Correlation between Their Structure and Antioxidant Activity. <i>PLoS ONE</i> , 2014, 9, e105725.	2.5	118
3	Chemical composition, antibacterial activity and related mechanism of the essential oil from the leaves of <i>Juniperus rigida</i> Sieb. et Zucc against <i>Klebsiella pneumoniae</i> . <i>Journal of Ethnopharmacology</i> , 2016, 194, 698-705.	4.1	72
4	Preparation and characterization of nanocrystalline cellulose/ <i>Eucommia ulmoides</i> gum nanocomposite film. <i>Carbohydrate Polymers</i> , 2018, 181, 825-832.	10.2	70
5	Extraction and Purification of Quercitrin, Hyperoside, Rutin, and Afzelin from <i>Zanthoxylum Bungeanum</i> Maxim Leaves Using an Aqueous Two-Phase System. <i>Journal of Food Science</i> , 2016, 81, C1593-602.	3.1	38
6	Quality evaluation and chemometric discrimination of <i>Zanthoxylum bungeanum</i> Maxim leaves based on flavonoids profiles, bioactivity and HPLC-fingerprint in a common garden experiment. <i>Industrial Crops and Products</i> , 2019, 134, 225-233.	5.2	37
7	Phytochemical Profiles and Antioxidant and Antimicrobial Activities of the Leaves of <i>Zanthoxylum bungeanum</i> . <i>Scientific World Journal</i> , The, 2014, 2014, 1-13.	2.1	35
8	Comparative Transcriptome Analysis and Expression of Genes Reveal the Biosynthesis and Accumulation Patterns of Key Flavonoids in Different Varieties of <i>Zanthoxylum bungeanum</i> Leaves. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13258-13268.	5.2	34
9	Structural Characterization and Evaluation of the Antioxidant Activity of Phenolic Compounds from <i>Astragalus taipaishanensis</i> and Their Structure-Activity Relationship. <i>Scientific Reports</i> , 2015, 5, 13914.	3.3	33
10	Effect of different isolation methods on structure and properties of lignin from valonea of <i>Quercus variabilis</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 85, 417-424.	7.5	31
11	Quality Evaluation of <i>Juniperus rigida</i> Sieb. et Zucc. Based on Phenolic Profiles, Bioactivity, and HPLC Fingerprint Combined with Chemometrics. <i>Frontiers in Pharmacology</i> , 2017, 8, 198.	3.5	30
12	Metabolite Profiles, Bioactivity, and HPLC Fingerprint of Different Varieties of <i>Eucommia ulmoides</i> Oliv.: Towards the Utilization of Medicinal and Commercial Chinese Endemic Tree. <i>Molecules</i> , 2018, 23, 1898.	3.8	28
13	Steroidal saponins from the rhizomes of <i>Polygonatum odoratum</i> . <i>Natural Product Research</i> , 2009, 23, 940-947.	1.8	27
14	Quality evaluation of different varieties of <i>Zanthoxylum bungeanum</i> Maxim. peels based on phenolic profiles, bioactivity, and HPLC fingerprint. <i>Journal of Food Science</i> , 2020, 85, 1090-1097.	3.1	27
15	Antioxidant activities of different extracts and homoisoflavanones isolated from the <i>Polygonatum odoratum</i> . <i>Natural Product Research</i> , 2013, 27, 1111-1114.	1.8	26
16	A new C-methylated homoisoflavanone and triterpenoid from the rhizomes of <i>Polygonatum odoratum</i> . <i>Natural Product Research</i> , 2009, 23, 580-589.	1.8	23
17	Synergistic Effects of <i>Potentilla fruticosa</i> L. Leaves Combined with Green Tea Polyphenols in a Variety of Oxidation Systems. <i>Journal of Food Science</i> , 2016, 81, C1091-101.	3.1	23
18	Accumulation and biosynthesis of hydroxyl-sanshool in varieties of <i>Zanthoxylum bungeanum</i> Maxim. by HPLC-fingerprint and transcriptome analyses. <i>Industrial Crops and Products</i> , 2020, 145, 111998.	5.2	23

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19	Efficient quantification of the phenolic profiles of <i>Zanthoxylum bungeanum</i> leaves and correlation between chromatographic fingerprint and antioxidant activity. <i>Natural Product Research</i> , 2015, 29, 2024-2029.	1.8	22
20	Simultaneous Enrichment and Separation of Four Flavonoids from <i>Zanthoxylum bungeanum</i> Leaves by Ultrasound-Assisted Extraction and Macroporous Resins with Evaluation of Antioxidant Activities. <i>Journal of Food Science</i> , 2018, 83, 2109-2118.	3.1	21
21	Phytochemical Composition, Antioxidant Activity and HPLC Fingerprinting Profiles of Three <i>Pyrola</i> Species from Different Regions. <i>PLoS ONE</i> , 2014, 9, e96329.	2.5	18
22	Phenolic Compounds and Antioxidant Activity of Different Organs of <i>Potentilla fruticosa</i> L. from Two Main Production Areas of China. <i>Chemistry and Biodiversity</i> , 2016, 13, 1140-1148.	2.1	17
23	Structure elucidation and properties of different lignins isolated from acorn shell of <i>Quercus variabilis</i> Bl.. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1193-1202.	7.5	16
24	Phenolic profiles and antioxidant capacities of crude extracts and subsequent fractions from <i>Potentilla fruticosa</i> L. leaves. <i>Natural Product Research</i> , 2016, 30, 1890-1895.	1.8	15
25	Isolation and further structural characterization of lignins from the valonea of <i>Quercus variabilis</i> . <i>International Journal of Biological Macromolecules</i> , 2017, 97, 164-172.	7.5	15
26	A Modified and Improved Assay Based on Microbial Test System (MTS) to Evaluate Antioxidant Activity. <i>Food Analytical Methods</i> , 2016, 9, 895-904.	2.6	14
27	Structure and Mechanism-Guided Design of Dual Serine/Metallo-Carbapenemase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 5954-5974.	6.4	13
28	Chemical Composition and Antioxidant Activity of Essential Oils and Methanol Extracts of Different Parts from <i>Juniperus rigida</i> Siebold & Zucc. <i>Chemistry and Biodiversity</i> , 2016, 13, 1240-1250.	2.1	12
29	Quality Evaluation of <i>Potentilla fruticosa</i> L. by High Performance Liquid Chromatography Fingerprinting Associated with Chemometric Methods. <i>PLoS ONE</i> , 2016, 11, e0149197.	2.5	12
30	Time-series based metabolomics reveals the characteristics of the color-related metabolites during the different coloration stages of <i>Zanthoxylum bungeanum</i> peel. <i>Food Research International</i> , 2022, 155, 111077.	6.2	11
31	Effects of Growing Location on the Contents of Main Active Components and Antioxidant Activity of <i>Dasiphora fruticosa</i> (L.) Rydb. by Chemometric Methods. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800114.	2.1	10
32	Allelopathic Effects, Physiological Responses and Phenolic Compounds in Litter Extracts of <i>Juniperus rigida</i> Sieb. et Zucc. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700088.	2.1	7
33	Effects of high temperature steam treatment on microbial and phytochemical contents, antioxidant activities, chemical stability, and shelf life of oral liquid prepared from the leaves of <i>Zanthoxylum bungeanum</i> Maxim. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e13180.	2.0	6
34	Anatomical, Phytochemical, and Histochemical Study of <i>Juniperus rigida</i> Needles at Different Altitudes. <i>Microscopy and Microanalysis</i> , 2019, 25, 1213-1223.	0.4	4
35	Data supporting metabolite profiles of essential oils and SSR molecular markers in <i>Juniperus rigida</i> Sieb. et Zucc. from different regions: A potential source of raw materials for the perfume and healthy products. <i>Data in Brief</i> , 2019, 25, 104113.	1.0	3
36	Development of $^1\text{H-NMR}$ methods for quantitative determination of alkylamides in <i>Zanthoxylum bungeanum</i> and quality evaluation based on its fingerprint. <i>Journal of Food Science</i> , 2021, 86, 3951-3963.	3.1	2

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37	The UV-B-Induced Transcription Factor HY5 Regulated Anthocyanin Biosynthesis in <i>Zanthoxylum bungeanum</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2651.	4.1	1