

Rongji Dai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4648475/publications.pdf>

Version: 2024-02-01

108
papers

1,984
citations

304743

22
h-index

289244

40
g-index

113
all docs

113
docs citations

113
times ranked

2612
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis and Its Potential Role in Human Diseases. <i>Frontiers in Pharmacology</i> , 2020, 11, 239.	3.5	164
2	Epigallocatechin Gallate (EGCG) Inhibits Alpha-Synuclein Aggregation: A Potential Agent for Parkinson's Disease. <i>Neurochemical Research</i> , 2016, 41, 2788-2796.	3.3	98
3	Reduction of nitro phenols using nitroreductase from <i>E. coli</i> in the presence of NADH. <i>Journal of Hazardous Materials</i> , 2009, 170, 141-143.	12.4	96
4	Antiinflammatory and Analgesic Activities of <i>Thesium chinense</i> ; Turcz Extracts and its Major Flavonoids, Kaempferol and Kaempferol-3-O-glucoside. <i>Yakugaku Zasshi</i> , 2007, 127, 1275-1279.	0.2	90
5	Luteolin-loaded solid lipid nanoparticles synthesis, characterization, & improvement of bioavailability, pharmacokinetics in vitro and vivo studies. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	84
6	On the role of synthesized hydroxylated chalcones as dual functional amyloid- β^2 aggregation and ferroptosis inhibitors for potential treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019, 166, 11-21.	5.5	74
7	Chromatographic fingerprint analysis of <i>Cephalotaxus sinensis</i> from various sources by high-performance liquid chromatography-diodearray detection-electrospray ionization-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 38-46.	2.8	71
8	Dragon's Blood extract has antithrombotic properties, affecting platelet aggregation functions and anticoagulation activities. <i>Journal of Ethnopharmacology</i> , 2011, 135, 510-514.	4.1	71
9	Antihyperglycemic Effect of <i>Cephalotaxus sinensis</i> Leaves and GLUT-4 Translocation Facilitating Activity of Its Flavonoid Constituents. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 1123-1129.	1.4	61
10	Hypoglycemic effect of <i>Belamcanda chinensis</i> leaf extract in normal and STZ-induced diabetic rats and its potential active fraction. <i>Phytomedicine</i> , 2011, 18, 292-297.	5.3	60
11	A review on structure, extraction, and biological activities of polysaccharides isolated from <i>Cyclocarya paliurus</i> (Batalin) Iljinskaja. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 420-429.	7.5	59
12	Appraisal of antinociceptive and anti-inflammatory potential of extract and fractions from the leaves of <i>Torreya grandis</i> Fort Ex. Lindl. <i>Journal of Ethnopharmacology</i> , 2010, 127, 414-418.	4.1	46
13	Switchable boronate affinity materials for thermally modulated capture, separation and enrichment of cis-diol biomolecules. <i>Journal of Materials Chemistry</i> , 2012, 22, 18753.	6.7	46
14	Effect of Presenilin Mutations on APP Cleavage; Insights into the Pathogenesis of FAD. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 51.	3.4	44
15	A review on polysaccharides from <i>Artemisia sphaerocephala</i> Krasch seeds, their extraction, modification, structure, and applications. <i>Carbohydrate Polymers</i> , 2021, 252, 117113.	10.2	44
16	Combination of HPLC chromatogram and hypoglycemic effect identifies isoflavones as the principal active fraction of <i>Belamcanda chinensis</i> leaf extract in diabetes treatment. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 371-378.	2.3	39
17	Attenuation of Biochemical Parameters in Streptozotocin-induced Diabetic Rats by Oral Administration of Extracts and Fractions of <i>Cephalotaxus sinensis</i> . <i>Journal of Clinical Biochemistry and Nutrition</i> , 2008, 42, 21-28.	1.4	36
18	Assessment of Bioreducing and Stabilizing Potential of Dragon's Blood (<i>Dracaena Cochinchinensis</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Letters</i> , 2013, 5, 780-784.	0.4	33

#	ARTICLE	IF	CITATIONS
19	Environmental materials for remediation of soils contaminated with lead and cadmium using maize (<i>Zea mays</i> L.) growth as a bioindicator. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6168-6178.	5.3	31
20	Mechanistic Study of Silver Nanoparticle's Synthesis by Dragon's Blood Resin Ethanol Extract and Antiradiation Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1320-1326.	0.9	30
21	A newly discovered neurotoxin ADTIQ associated with hyperglycemia and Parkinson's disease. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 361-366.	2.1	30
22	Selective Bromination of Pyrrole Derivatives, Carbazole and Aromatic Amines with DMSO/HBr under Mild Conditions. <i>Journal of Chemical Research</i> , 2014, 38, 593-596.	1.3	28
23	Resorcarene derivative used as a new stationary phase for capillary gas chromatography. <i>Journal of Chromatography A</i> , 1997, 787, 161-169.	3.7	22
24	Dragon's blood dropping pills have protective effects on focal cerebral ischemia rats model. <i>Phytomedicine</i> , 2013, 21, 68-74.	5.3	22
25	Preparation of poly(N-isopropylacrylamide) brush grafted silica particles via surface-initiated atom transfer radical polymerization used for aqueous chromatography. <i>Frontiers of Materials Science</i> , 2012, 6, 60-68.	2.2	20
26	Synthesis of bimetallic nanoparticles loaded on to PNIPAM hybrid microgel and their catalytic activity. <i>Scientific Reports</i> , 2021, 11, 14759.	3.3	19
27	Studies on the Chemical Constituents of <i>Torreyia grandis</i> Fort. Ex Lindl. <i>Journal of Applied Sciences</i> , 2007, 7, 269-273.	0.3	18
28	LX Loaded Nanoliposomes Synthesis, Characterization and Cellular Uptake Studies in H ₂ O ₂ /Stressed SH-SY5Y Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4066-4071.	0.9	17
29	Optimized Luteolin Loaded Solid Lipid Nanoparticle Under Stress Condition for Enhanced Bioavailability in Rat Plasma. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9443-9449.	0.9	17
30	Preparation and characterization of temperature-responsive chromatographic column containing poly(N-isopropylacrylamide) and poly([2-(methacryloyloxy)ethyl]trimethylammonium chloride). <i>Journal of Applied Polymer Science</i> , 2011, 121, 2233-2238.	2.6	16
31	Separation of peptides with an aqueous mobile phase by temperature-responsive chromatographic column. <i>Journal of Separation Science</i> , 2012, 35, 2069-2074.	2.5	16
32	Hypoglycemic activity of the extracts of <i>Belamcanda chinensis</i> leaves (BCLE) on KK-Ay mice. <i>Biomedicine and Pharmacotherapy</i> , 2019, 110, 449-455.	5.6	16
33	Neurotoxicity and Underlying Mechanisms of Endogenous Neurotoxins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12805.	4.1	16
34	Efficient enzymatic kinetic resolution of 2-heptylamine with a highly active acyl donor. <i>Catalysis Communications</i> , 2010, 11, 987-991.	3.3	15
35	Lipase-catalyzed synthesis of the chiral tetrahydroisoquinoline (R)-salsolinol. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1376-1379.	1.8	15
36	Dragon's blood extracts reduce radiation-induced peripheral blood injury and protects human megakaryocyte cells from GM-CSF withdraw-induced apoptosis. <i>Physica Medica</i> , 2016, 32, 84-93.	0.7	15

#	ARTICLE	IF	CITATIONS
37	Differential Proteomic Analysis of Dimethylnitrosamine (DMN)-induced Liver Fibrosis. <i>Proteomics</i> , 2017, 17, 1700267.	2.2	15
38	Use of a long-spacer-side-chain liquid crystalline polysiloxane containing a crown ether as a stationary phase for capillary gas chromatography. <i>Journal of High Resolution Chromatography</i> , 1994, 17, 719-722.	1.4	14
39	Synthesis and characterization of β -CD derivatized bovine serum albumin protein as chiral selector in pressurized capillary electrochromatography. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2041-2046.	2.6	14
40	Investigation of β -CD-derivatized erythromycin as chiral selector in CE. <i>Electrophoresis</i> , 2007, 28, 2566-2572.	2.4	14
41	Evaluation of Temperature-Responsive Open Tubular Capillary Electrochromatographic Column Modified with Poly(N-isopropylacrylamide). <i>Chromatographia</i> , 2013, 76, 201-206.	1.3	14
42	Effects of simulated microgravity on human brain nervous tissue. <i>Neuroscience Letters</i> , 2016, 627, 199-204.	2.1	14
43	Recent Advances in Applied Fluorescent Polymeric Gels. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3131-3152.	4.4	14
44	Comparison of crown ether side-chain polysiloxanes with and without liquid crystalline character as stationary phases for capillary gas chromatography. <i>Journal of Chromatography A</i> , 1994, 659, 477-480.	3.7	13
45	Offline Two-Dimensional RP/RPLC Method to Separate Components in <i>Dracaena cochinchinensis</i> (Lour.) S.C.Chen Xylem Containing Resin. <i>Chromatographia</i> , 2011, 74, 313-317.	1.3	13
46	A thermally switchable chromatographic material for selective capture and rapid release of proteins and nucleotides. <i>RSC Advances</i> , 2014, 4, 15830.	3.6	13
47	Herbal Formula, Baogan Yihao (BGYH), Prevented Dimethylnitrosamine(DMN)-induced Liver Injury in Rats. <i>Drug Development Research</i> , 2017, 78, 155-163.	2.9	13
48	Reduction of 4-nitrophenol catalyzed by nitroreductase. <i>Chinese Chemical Letters</i> , 2007, 18, 10-12.	9.0	12
49	Rab21, a Novel PS1 Interactor, Regulates β -Secretase Activity via PS1 Subcellular Distribution. <i>Molecular Neurobiology</i> , 2018, 55, 3841-3855.	4.0	12
50	The biological effects of radiation-induced liver damage and its natural protective medicine. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 167, 87-87.	2.9	11
51	Two new flavonoid diglycosides from <i>Cephalotaxus sinensis</i> . <i>Chinese Chemical Letters</i> , 2007, 18, 837-839.	9.0	10
52	<i>Bupleurum marginatum</i> Wall.ex DC in Liver Fibrosis: Pharmacological Evaluation, Differential Proteomics, and Network Pharmacology. <i>Frontiers in Pharmacology</i> , 2018, 9, 524.	3.5	10
53	Preparation and characterization of temperature-responsive capillary electrochromatographic column using poly(N-isopropylacrylamide). <i>Electrophoresis</i> , 2009, 30, 616-617.	2.4	9
54	A comparative study on volatile metabolites profile of <i>Dracaena cochinchinensis</i> (Lour.) S.C. Chen xylem with and without resin using GC-MS. <i>Biomedical Chromatography</i> , 2015, 29, 1744-1749.	1.7	9

#	ARTICLE	IF	CITATIONS
55	Nitration Reaction Catalyzed by Horseradish Peroxidase in the Presence of H_2O_2 and $NaNO_2$. Chinese Journal of Chemistry, 2007, 25, 1690-1694.	4.9	8
56	Adsorptive BSA Coating Method for CE to Separate Basic Proteins. Chromatographia, 2013, 76, 59-65.	1.3	8
57	C-21 steroidal glycosides from <i>Dregea sinensis</i> . Journal of Asian Natural Products Research, 2014, 16, 836-840.	1.4	8
58	Enrichment of adenosine using thermally responsive chromatographic materials under friendly pH conditions. Journal of Separation Science, 2015, 38, 4036-4042.	2.5	8
59	Six new C-21 steroidal glycosides from <i>Dregea sinensis</i> Hemsl. Journal of Asian Natural Products Research, 2017, 19, 745-753.	1.4	8
60	Synthesis and characterization of side-chain liquid-crystalline ionomers containing quaternary ammonium salt groups. Journal of Applied Polymer Science, 2003, 90, 2879-2886.	2.6	7
61	Six new polyhydroxy steroidal glycosides from <i>Dregea sinensis</i> Hemsl. Phytochemistry Letters, 2015, 11, 209-214.	1.2	7
62	HPLC-ESI-MS ⁿ Identification and NMR Characterization of Glucosyloxybenzyl 2R-Benzylmalate Derivatives from <i>Arundina Graminifolia</i> and Their Anti-Liver Fibrotic Effects In Vitro. Molecules, 2019, 24, 525.	3.8	7
63	Using molecular docking analysis to discovery <i>Dregea sinensis</i> Hemsl. potential mechanism of anticancer, antidepressant, and immunoregulation. Pharmacognosy Magazine, 2017, 13, 358.	0.6	7
64	Purification, characterization, and determination of biological activities of water-soluble polysaccharides from <i>Mahonia bealei</i> . Scientific Reports, 2022, 12, 8160.	3.3	7
65	Effect of the grafting ratio of poly(<i>N</i> -isopropylacrylamide) on thermally responsive polymer brush surfaces. Journal of Separation Science, 2017, 40, 524-531.	2.5	6
66	Rapid structure prediction by HPLC-ESI-MS ⁿ of twenty-five polyoxypregnane tetraglycosides from <i>Dregea sinensis</i> with NMR confirmation of eight structures. Phytochemistry, 2018, 147, 147-157.	2.9	6
67	In silico screening and identification of deleterious missense SNPs along with their effects on CD-209 gene: An insight to CD-209 related-diseases. PLoS ONE, 2021, 16, e0247249.	2.5	6
68	Recent Progress in the Drug Development for the Treatment of Alzheimer's Disease Especially on Inhibition of Amyloid-peptide Aggregation. Mini-Reviews in Medicinal Chemistry, 2021, 21, 969-990.	2.4	6
69	Synthesis of 2-aryl-(4 or 5)-aryl-1H-imidazoles and 2-hydroxy-3,6-diarylpyrazines via a cascade process. Arkivoc, 2014, 2014, 146-163.	0.5	6
70	Rational design, synthesis and activities of hydroxylated chalcones as highly potent dual functional agents against Alzheimer's disease. Bioorganic Chemistry, 2022, 122, 105662.	4.1	6
71	A New Steroid from <i>Dregea sinensis</i> . Chemistry of Natural Compounds, 2014, 50, 862-864.	0.8	5
72	Phytochemistry and medicinal values of <i>Mahonia bealei</i> : A review. Tropical Journal of Pharmaceutical Research, 2021, 18, 2219-2227.	0.3	5

#	ARTICLE	IF	CITATIONS
73	Optimizations of Conditions for Maximum Recovery of Astragaloside from <i>Astragalus chinensis</i> Turcz. Journal of Applied Sciences, 2006, 6, 2829-2832.	0.3	5
74	Application of peralkylated β -CDs capillary columns for the GC separation of positional isomers of industrial chemicals. Journal of Separation Science, 1995, 7, 455-460.	1.0	4
75	Synthesis and properties of side chain liquid crystalline ionomers containing quaternary ammonium salt groups. Liquid Crystals, 2004, 31, 509-518.	2.2	4
76	Study of binding constant of toll-like receptor 4 and lipopolysaccharide using capillary zone electrophoresis. Electrophoresis, 2011, 32, 749-751.	2.4	4
77	One-Pot Synthesis of 2-Alkyl-4(5)-Aryl-1H-Imidazoles from 1-Aryl-2-Bromoethanones, Ammonium Carbonate and Aliphatic Carboxylic Acids. Journal of Chemical Research, 2014, 38, 208-210.	1.3	4
78	Anti-hyperlipidemic effect of flavone-rich <i>Belamcanda chinensis</i> (L.) DC. (Iridaceae) leaf extract in ICR mice fed high-fat diet. Tropical Journal of Pharmaceutical Research, 2014, 13, 1653.	0.3	4
79	Influence of Graft Density of Poly (N-Isopropylacrylamide)-Grafted Silica on Separation Performance. Chromatographia, 2015, 78, 1349-1357.	1.3	4
80	Structural deduction of pregnane glycosides from <i>Dregea sinensis</i> Hemsl by high-performance liquid chromatography and electrospray ionization-tandem mass spectrometry. International Journal of Mass Spectrometry, 2017, 415, 38-43.	1.5	4
81	Pyrolysis-gas chromatography investigation of peralkylated β -cyclodextrins used as a capillary GC stationary phase. Journal of Analytical and Applied Pyrolysis, 1995, 34, 181-189.	5.5	3
82	Unusual behaviour of a new kind of side chain crown ether polysiloxanes used in capillary gas chromatography. Journal of Chromatography A, 1996, 752, 189-195.	3.7	3
83	The investigation of pyrolysis mechanism of heptakis[3-O-methyl-2,6-di-O-(methoxybenzyl)]- β -cyclodextrin by Py-GC and Py-GC/MS. Journal of Analytical and Applied Pyrolysis, 1997, 42, 9-19.	5.5	3
84	The determination of the total flavonoids by UV and a flavone glycoside by HPLC in <i>Torreya grandis</i> Fort Leaves. , 2007, , .		3
85	Functional layer-by-layer multilayer films for ion recognition. Analytical Methods, 2013, 5, 3454.	2.7	3
86	Synthesis of nitroanilines catalyzed by horseradish peroxidase in the presence of NaNO ₂ and H ₂ O ₂ . Chemical Research in Chinese Universities, 2013, 29, 1164-1166.	2.6	3
87	Quantification of CP4 EPSPS in genetically modified <i>Nicotiana tabacum</i> leaves by LC-MS/MS with ¹⁸ O-labelling. Analytical Methods, 2014, 6, 7399-7406.	2.7	3
88	Combination of Three Functionalized Temperature-Sensitive Chromatographic Materials for Serum Protein Analysis. Molecules, 2019, 24, 2626.	3.8	2
89	New Drug Screening Model Using Enzymes Immobilized on Mesoporous Materials: A Proof-of-Concept Study Using Immobilized α -Glucosidase and Acarbose. Journal of Nanoscience and Nanotechnology, 2016, 16, 12460-12469.	0.9	1
90	Immobilization of Trypsin onto Artificial Membrane for the Possible Application in the Digestion Reactor of Proteins. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
91	Radical scavenging activity of various fractions of <i>Cephalotaxus sinensis</i> (Rehd et Wile) Li. , 2007, , .		0
92	Isolation and Structure Elucidation of the Chemical Constituents from <i>Thesium chinense</i> Turcz. , 2007, , .		0
93	Study on the influence of Konjac glucomannan on assaying domperidone in orally disintegrating tablets. , 2007, , .		0
94	Optimization of Condition for Maximum Recovery of Antioxidants from <i>Cephalotaxus sinensis</i> and their FRAP Assay. , 2007, , .		0
95	The Investigation of Dynamically Immobilized MAO on JAM Using Biologically Functionalized Chromatography. , 2007, , .		0
96	Separation of 2-heptamine by HPLC used cyclodextrin as chiral selector. , 2007, , .		0
97	Separation of 2-HPA by Capillary Electrophoresis. , 2007, , .		0
98	Normobaric Hypoxia-induced Brain Damage and Mechanism in Wistar Rat. , 2009, , .		0
99	Stress Response to Hypoxia in Wistar Rat: LA, MDA, SOD and Na ⁺ -K ⁺ -ATPase. , 2009, , .		0
100	Screening human epidermal growth factor receptor-2 inhibitors from natural products. , 2013, , .		0
101	Synthesis and Characterization of Phenyl(1,3,6,8-tetraazatricyclo[4.3.1.1 ^{3,8}]undecan-4-yl)methanone and Its Derivatives. <i>Heterocycles</i> , 2014, 89, 627.	0.7	0
102	Effects of graft density on the separation performance of temperature-responsive materials under the same graft chain length. , 2015, , .		0
103	The influence of grafting chain length on the temperature response and separation performance of stationary phase with temperature response. , 2015, , .		0
104	Synthesis of Thermally Switchable Chromatographic Materials with Immobilized Ti ⁴⁺ for Enrichment of Phosphopeptides by Reversible Addition Fragmentation Chain Transfer Polymerization. IOP Conference Series: Earth and Environmental Science, 2018, 108, 022018.	0.3	0
105	Effect of Heavy Ion ¹² C ⁶⁺ Radiation on Lipid Constitution in the Rat Brain. <i>Molecules</i> , 2020, 25, 3762.	3.8	0
106	Preparation and Characterization of Temperature-responsive Affinity Chromatographic Stationary Phase Modified with Heparin. <i>Acta Chimica Sinica</i> , 2012, 70, 561.	1.4	0
107	Rational design, synthesis and activities of phenanthrene derivatives against hepatic fibrosis. <i>FÄ-toterapÄ-Äç</i> , 2022, 159, 105176.	2.2	0
108	Hypolipidemic properties of the extracts of <i>Belamcanda chinensis</i> leaves (BCLE) in KK-A y mice. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 58, .	1.2	0