

Wen-Gui Duan

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

686
citations

623734

14
h-index

713466

21
g-index

59
all docs

59
docs citations

59
times ranked

538
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of the graft copolymer of chitosan with poly[rosin-(2-acryloyloxy)ethyl ester]. <i>Carbohydrate Polymers</i> , 2008, 73, 582-586.	10.2	49
2	Synthesis and Antifungal Activity of Novel Myrtenal-Based 4-Methyl-1,2,4-triazole-thioethers. <i>Molecules</i> , 2017, 22, 193.	3.8	40
3	High Value-Added Application of Sustainable Natural Forest Product α -Pinene: Synthesis of Myrtenal Oxime Esters as Potential KARI Inhibitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7862-7868.	6.7	37
4	Synthesis of dehydroabietic acid-modified chitosan and its drug release behavior. <i>Carbohydrate Research</i> , 2009, 344, 9-13.	2.3	29
5	Synthesis and In Vitro Anticancer Activity of Novel Dehydroabietic Acid-Based Acylhydrazones. <i>Molecules</i> , 2017, 22, 1087.	3.8	26
6	Synthesis and antifungal activity of dehydroabietic acid-based 1,3,4-thiadiazole-thiazolidinone compounds. <i>Molecular Diversity</i> , 2016, 20, 897-905.	3.9	22
7	Condensed tannins from steamed <i>Acacia mearnsii</i> bark. <i>Holzforschung</i> , 2005, 59, 289-294.	1.9	21
8	Synthesis and Antiproliferative Evaluation of Novel Longifolene-Derived Tetralone Derivatives Bearing 1,2,4-Triazole Moiety. <i>Molecules</i> , 2020, 25, 986.	3.8	21
9	Synthesis of Bioactive Compounds from 3-Carene (II): Synthesis, Antifungal Activity and 3D-QSAR Study of (Z)- and (E)-3-Carene-5-One Oxime Sulfonates. <i>Molecules</i> , 2019, 24, 477.	3.8	20
10	Synthesis of Myrtenal-Based Nanocellulose/Diacylhydrazine Complexes with Antifungal Activity for Plant Protection. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12956-12965.	5.2	20
11	Synthesis and Biological Activity of Novel (Z)- and (E)-Verbenone Oxime Esters. <i>Molecules</i> , 2017, 22, 1678.	3.8	19
12	Mussel-Inspired Polydopamine-Enhanced Polyimide for Ultrahigh Toughness and Ultraviolet Shielding Applications. <i>ACS Applied Polymer Materials</i> , 2021, 3, 896-907.	4.4	17
13	Design, Synthesis, and Antifungal Activity of Novel Longifolene-Derived Diacylhydrazine Compounds. <i>ACS Omega</i> , 2021, 6, 9104-9111.	3.5	17
14	Synthesis, Biological Activity and Three-Dimensional Quantitative Structure-Activity Relationship (3D-QSAR) Study of Novel 4-Methyl-1,2,4-triazole-thioethers Containing <i>gem</i> -Dimethylcyclopropane Ring. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1647.	1.3	16
15	Synthesis and Antiproliferative Evaluation of Novel Hybrids of Dehydroabietic Acid Bearing 1,2,3-Triazole Moiety. <i>Molecules</i> , 2019, 24, 4191.	3.8	15
16	Synthesis and Biological Activity of Novel Myrtenal-Derived 2-Acyl-1,2,4-triazole-3-thione Compounds. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 2085.	1.3	15
17	The synthesis of a DHAD/ZnAlTi-LDH composite with advanced UV blocking and antibacterial activity for skin protection. <i>RSC Advances</i> , 2020, 10, 9786-9790.	3.6	14
18	Synthesis, Antifungal Activity, and 3D-QSAR Study of Novel Nopol-Derived 1,3,4-Thiadiazole-Thiourea Compounds. <i>Molecules</i> , 2021, 26, 1708.	3.8	14

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19	Synthesis and herbicidal activity of 5-dehydroabietyl-1,3,4-oxadiazole derivatives. <i>Holzforschung</i> , 2011, 65, .	1.9	13
20	Synthesis, 3D-QSAR and Molecular Docking Study of Nopol-Based 1,2,4-Triazole-Thioether Compounds as Potential Antifungal Agents. <i>Frontiers in Chemistry</i> , 2021, 9, 757584.	3.6	13
21	Three coordination polymers of 5-aminoisophthalic acid with similar benzimidazole derivative ligands: synthesis, structure and DNA-binding studies. <i>Supramolecular Chemistry</i> , 2012, 24, 810-818.	1.2	11
22	Synthesis and biological activities of \pm -pinene-based dithiadiazoles. <i>Holzforschung</i> , 2014, 68, 75-83.	1.9	11
23	Synthesis of Nitrogen-Rich Polymers by Click Polymerization Reaction and Gas Sorption Property. <i>Molecules</i> , 2018, 23, 1732.	3.8	11
24	Synthesis and Cytotoxicity Evaluation of Dehydroabietic Acid Derivatives Bearing Nitrate Moiety. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 2845.	1.3	10
25	Synthesis and antifungal activity of camphoric acid-based acylhydrazone compounds. <i>Holzforschung</i> , 2014, 68, 889-895.	1.9	9
26	Synthesis and insecticidal activities of N-(5-dehydroabietyl-1,3,4-thiadiazol-2-yl)-benzenesulfonamides. <i>Medicinal Chemistry Research</i> , 2014, 23, 4420-4426.	2.4	9
27	Synthesis and Antifungal Activity of Novel 3-Caren-5-One Oxime Esters. <i>Molecules</i> , 2017, 22, 1538.	3.8	9
28	Effective enantiomeric identification of aromatic amines by tyrosine-modified pillar[5]arenes as chiral NMR solvating agents. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4144-4152.	4.5	9
29	Synthesis, antifungal activity and 3D-QSAR study of novel nopol-based 1,3,4-thiadiazole-thioether compounds. <i>Research on Chemical Intermediates</i> , 2021, 47, 4029-4049.	2.7	9
30	Synthesis, Antifungal Activity, 3D-QSAR, and Molecular Docking Study of Novel Menthol-Derived 1,2,4-Triazole-thioether Compounds. <i>Molecules</i> , 2021, 26, 6948.	3.8	9
31	Design, synthesis, and antiproliferative evaluation of novel longifolene-derived tetraline pyrimidine derivatives with fluorescence properties. <i>New Journal of Chemistry</i> , 2022, 46, 8688-8697.	2.8	9
32	Synthesis and fungicidal activity of dehydroabietyl-1,2,4-triazolo-thiazolidinones. <i>Holzforschung</i> , 2013, 67, 107-112.	1.9	8
33	Synthesis and Bioactivity of N-(4-(N ² -Substituted Sulfamoyl)Phenyl)Myrtenamides Containing a Heterocycle. <i>Chemistry of Natural Compounds</i> , 2018, 54, 56-62.	0.8	8
34	Synthesis, antifungal activity and 3D-QSAR study of novel acyl thiourea compounds containing gem-dimethylcyclopropane ring. <i>Molecular Diversity</i> , 2022, 26, 125-136.	3.9	8
35	A pH-Responsive Supramolecular Drug Delivery System Constructed by Cationic Pillar[5]arene for Enhancing Antitumor Activity. <i>Frontiers in Chemistry</i> , 2021, 9, 661143.	3.6	8
36	Synthesis of β -D-glucopyranose-derived nanocellulose/1,3,4-thiadiazole-amide complexes with antifungal activity for plant protection. <i>Pest Management Science</i> , 2022, 78, 3277-3286.	3.4	8

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37	Synthesis of Dehydroabietic Acid (2-Acryloyloxy) Ethyl Ester in Ionic Liquids. Synthetic Communications, 2009, 39, 2321-2328.	2.1	7
38	Quantum chemical study on the mechanism of intramolecular cyclization of 2-(benzyloxyphenyl) trimethylsilyl ketone to give the benzofuran derivatives. Journal of Physical Organic Chemistry, 2012, 25, 400-408.	1.9	7
39	Crystal Structure and Host-Guest Binding Ability of Three Types of Pillar[5]arenes. Chinese Journal of Chemistry, 2015, 33, 346-350.	4.9	7
40	Synthesis, Antifungal Activity and 3D-QSAR Study of Novel (E)-Longifolene-Derived Tetralone Oxime Ethers. ChemistrySelect, 2021, 6, 4515-4520.	1.5	7
41	Synthesis, bioactivity and computational simulation study of novel (Z)-3-carene-5-one oxime ethers as potential antifungal agents. Research on Chemical Intermediates, 0, 1.	2.7	7
42	Synthesis of cellulose dehydroabietate in ionic liquid [bmim]Br. Carbohydrate Research, 2011, 346, 2024-2027.	2.3	6
43	Synthesis of Copillar[5]arenes and Their Host-Guest Complexation with Two Types of Guests. Chinese Journal of Chemistry, 2015, 33, 384-388.	4.9	6
44	Synthesis and Biological Activities of Novel (Z)-E-Anisaldehyde-Based Oxime Ester Compounds. Chemistry and Biodiversity, 2021, 18, e2100235.	2.1	6
45	Synthesis and Biological Activity of N-Aminoethyl-terpinene-maleimidebased Thiourea Compounds. Letters in Organic Chemistry, 2015, 12, 283-289.	0.5	6
46	Palladium-catalyzed denitrative N-arylation of nitroarenes with pyrroles, indoles, and carbazoles. Organic Chemistry Frontiers, 2022, 9, 2351-2356.	4.5	6
47	Synthesis and biological activities of maleated rosin-based dithiourea compounds. Holzforschung, 2014, 68, 549-554.	1.9	5
48	Synthesis and antifungal activity of dehydroabietic acid-based thiadiazole-phosphonates. Holzforschung, 2015, 69, 1069-1075.	1.9	5
49	Recognition Selectivities of Lasso-Type Pseudo[1]rotaxane Based on a Mono-Ester-Functionalized Pillar[5]arene. Molecules, 2019, 24, 2693.	3.8	5
50	Synthesis and Antitumor Evaluation of Menthone-Derived Pyrimidine-Urea Compounds as Potential PI3K/Akt/mTOR Signaling Pathway Inhibitor. Frontiers in Chemistry, 2021, 9, 815531.	3.6	5
51	Mechanism of Gold(I)-Catalyzed Coniaene Reaction of α -Ketoesters with Alkynes: A DFT Study. Chinese Journal of Chemistry, 2011, 29, 2320-2326.	4.9	4
52	Synthesis, Antifungal Activity and 3D-QSAR Study of Novel Anisaldehyde-Derived Amide-Thiourea Compounds. Chemistry and Biodiversity, 2022, 19, .	2.1	4
53	Synthesis of methyl 12-benzoyldehydroabietate in ionic liquid. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2008, 3, 363-369.	0.4	2
54	Synthesis, crystal structure and DNA interaction studies of three coordination polymers with mixed ligand. Supramolecular Chemistry, 2012, 24, 707-712.	1.2	2

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55	Synthesis, Antifungal Activity, Three-Dimensional Quantitative Structure-Activity Relationship and Molecular Docking Study of 4-Acyl-3-amino-1,2,4-triazole-thioether Derivatives Containing Natural Pinene Structure. Chinese Journal of Organic Chemistry, 2022, 42, 871.	1.3	2
56	Synthesis and Crystal Structure of a Green Photoluminescent 1D Cobalt(II) Coordination Polymer Constructed from 2,2' Bibenzimidazole. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 889-893.	0.7	1
57	Analysis of the Composition and Anti-Rheumatoid Arthritis Mechanism of Qintengtongbi Decoction Based on Network Pharmacology. Natural Product Communications, 2021, 16, 1934578X2110414.	0.5	1
58	Turpentine-Derived <i>sec</i> - <i>p</i> -Menthane-1,4-Diamine Derivatives: Synthesis, Herbicidal Activity, and 3D-QSAR Study. ChemistrySelect, 2022, 7, .	1.5	1
59	Efficient control of the formation of pillar[5]arene-based supramolecular polymers. Current Chinese Science, 2022, 02, .	0.5	0