

Bo Qin

List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

3056
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#	ARTICLE	IF	CITATIONS
1	Catalytic Asymmetric Cyanosilylation of Ketones by a Chiral Amino Acid Salt. <i>Journal of the American Chemical Society</i> , 2005, 127, 12224-12225.	13.7	165
2	Highly Enantioselective Henry (Nitroaldol) Reaction of Aldehydes and α -Ketoesters Catalyzed by N,N' -Dioxide-Copper(I) Complexes. <i>Journal of Organic Chemistry</i> , 2007, 72, 9323-9328.	3.2	148
3	Enantioselective Cyanosilylation of Ketones by a Catalytic Double-Activation Method Employing Chiral Lewis Acid and Achiral N-Oxide Catalysts. <i>Organic Letters</i> , 2003, 5, 949-952.	4.6	110
4	Highly Enantioselective Insertion of Carbenoids into $N-H$ Bonds Catalyzed by Copper(I) Complexes of Binol Derivatives. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4763-4766.	13.8	110
5	Characterization of rhizosphere and endophytic bacterial communities from leaves, stems and roots of medicinal <i>Stellera chamaejasme</i> L.. <i>Systematic and Applied Microbiology</i> , 2014, 37, 376-385.	2.8	108
6	Enantioselective Cyanosilylation of Ketones by a Catalytic Double-Activation Method with an Aluminium Complex and an N-Oxide. <i>Chemistry - A European Journal</i> , 2004, 10, 4790-4797.	3.3	99
7	Highly Enantioselective Cyanosilylation of Aldehydes Catalyzed by Novel α -Amino Alcohol-Titanium Complexes. <i>Journal of Organic Chemistry</i> , 2004, 69, 7910-7913.	3.2	95
8	Privacy-Preserving Cloud-Based Road Condition Monitoring With Source Authentication in VANETs. <i>IEEE Transactions on Information Forensics and Security</i> , 2019, 14, 1779-1790.	6.9	94
9	Enantioselective Strecker Reaction of Phosphinoyl Ketoimines Catalyzed by in Situ Prepared Chiral N,N' -Dioxides. <i>Journal of Organic Chemistry</i> , 2007, 72, 204-208.	3.2	92
10	Identity-Based Data Outsourcing With Comprehensive Auditing in Clouds. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 940-952.	6.9	92
11	Enantioselective Cyanosilylation of α,α -Dialkoxy Ketones Catalyzed by Proline-Derived in-Situ-Prepared N-Oxide as Bifunctional Organocatalyst. <i>Journal of Organic Chemistry</i> , 2007, 72, 2374-2378.	3.2	86
12	Persistently Folded Circular Aromatic Amide Pentamers Containing Modularly Tunable Cation-Binding Cavities with High Ion Selectivity. <i>Journal of the American Chemical Society</i> , 2010, 132, 9564-9566.	13.7	86
13	Synthesis, Structural Investigations, Hydrogen-Deuterium Exchange Studies, and Molecular Modeling of Conformationally Stabilized Aromatic Oligoamides. <i>Journal of the American Chemical Society</i> , 2010, 132, 5869-5879.	13.7	79
14	15.3% Efficiency All-Small-Molecule Organic Solar Cells Achieved by a Locally Asymmetric F, Cl Disubstitution Strategy. <i>Advanced Science</i> , 2021, 8, 2004262.	11.2	76
15	Crystallographic Evidence of an Unusual, Pentagon-Shaped Folding Pattern in a Circular Aromatic Pentamer. <i>Organic Letters</i> , 2008, 10, 5127-5130.	4.6	74
16	TPP: Traceable Privacy-Preserving Communication and Precise Reward for Vehicle-to-Grid Networks in Smart Grids. <i>IEEE Transactions on Information Forensics and Security</i> , 2015, 10, 2340-2351.	6.9	66
17	Highly Enantioselective Allylation of α -Ketoesters Catalyzed by N,N' -Dioxide-In(III) Complexes. <i>Journal of Organic Chemistry</i> , 2007, 72, 8478-8483.	3.2	63
18	Highly Enantioselective Aza-Henry Reaction of N -Tosyl Imines Catalyzed by N,N' -Dioxide-Cu(I) Complexes. <i>Journal of Organic Chemistry</i> , 2007, 72, 10302-10304.	3.2	61

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19	Enantioselective trifluoromethylation of aromatic aldehydes catalyzed by combinatorial catalysts. <i>Tetrahedron</i> , 2007, 63, 6822-6826.	1.9	61
20	Crystallographic Realization of the Mathematically Predicted Densest All-Pentagon Packing Lattice by C ₅ -Symmetric α -Sticky-Fluoropentamers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10612-10615.	13.8	61
21	Highly Enantio- and Diastereoselective Brassard Type Hetero-Diels-Alder Approach to 5-Methyl-Containing β , γ -Unsaturated γ -Lactones. <i>Journal of Organic Chemistry</i> , 2006, 71, 4141-4146.	3.2	58
22	Helical Organization in Foldable Aromatic Oligoamides by a Continuous Hydrogen-Bonding Network. <i>Organic Letters</i> , 2009, 11, 1201-1204.	4.6	57
23	Structural characterization, antioxidant and antibacterial activities of two heteropolysaccharides purified from the bulbs of <i>Lilium davidii</i> var. <i>unicolor</i> Cotton. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 306-315.	7.5	52
24	Isolation, Identification, and Autotoxicity Effect of Allelochemicals from Rhizosphere Soils of Flue-Cured Tobacco. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8975-8980.	5.2	50
25	Anti-aging effects on <i>Caenorhabditis elegans</i> of a polysaccharide, O-acetyl glucomannan, from roots of <i>Lilium davidii</i> var. <i>unicolor</i> Cotton. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 846-852.	7.5	49
26	Phytotoxicity of umbelliferone and its analogs: Structure-activity relationships and action mechanisms. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 272-277.	5.8	48
27	Highly selective one-pot synthesis of H-bonded pentagon-shaped circular aromatic pentamers. <i>Chemical Communications</i> , 2011, 47, 5419-5421.	4.1	46
28	Mechanism of artemisinin phytotoxicity action: Induction of reactive oxygen species and cell death in lettuce seedlings. <i>Plant Physiology and Biochemistry</i> , 2015, 88, 53-59.	5.8	46
29	N,N'-Dioxide-Cu(OTf) ₂ Complex Catalyzed Highly Enantioselective Amination Reaction of N-Acetyl Enamide. <i>Organic Letters</i> , 2010, 12, 2214-2217.	4.6	45
30	Phytotoxic flavonoids from roots of <i>Stellera chamaejasme</i> L. (Thymelaeaceae). <i>Phytochemistry</i> , 2014, 106, 61-68.	2.9	45
31	Purification, characterization and antioxidant activities of a polysaccharide from the roots of <i>Lilium davidii</i> var. <i>unicolor</i> Cotton. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1208-1216.	7.5	43
32	Enantioselective cyanosilylation of ketones catalyzed by double-activation catalysts with N-oxides. <i>Tetrahedron</i> , 2004, 60, 10449-10460.	1.9	42
33	Role of Ions in Hydrogels with an Ionic Seebeck Coefficient of 52.9 mV K ⁻¹ . <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4621-4627.	4.6	41
34	Asymmetric Conjugate Addition of Nitromethane to Enones Catalyzed by Chiral N,N'-Dioxide-Scandium(III) Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 7696-7699. ^{3,3}		39
35	Total Synthesis of Trioxacarcins DC-45-A1, A, D, C, and C7 ^{3-epi} -C and Full Structural Assignment of Trioxacarcin C. <i>Journal of the American Chemical Society</i> , 2016, 138, 3118-3124.	13.7	39
36	Flexible attribute-based encryption applicable to secure e-healthcare records. <i>International Journal of Information Security</i> , 2015, 14, 499-511.	3.4	37

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37	Online/Offline Provable Data Possession. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 1182-1194.	6.9	37
38	One-Pot Synthesis of Hybrid Macrocyclic Pentamers with Variable Functionalizations around the Periphery. <i>Organic Letters</i> , 2011, 13, 2270-2273.	4.6	36
39	Phytotoxicity mechanisms of two coumarin allelochemicals from <i>Stellera chamaejasme</i> in lettuce seedlings. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	2.1	31
40	Allelochemicals from rhizosphere soils of <i>Glycyrrhiza uralensis</i> Fisch: Discovery of the autotoxic compounds of a traditional herbal medicine. <i>Industrial Crops and Products</i> , 2017, 97, 302-307.	5.2	31
41	Synthesis of N-substituted phthalimides and their antifungal activity against <i>Alternaria solani</i> and <i>Botrytis cinerea</i> . <i>Microbial Pathogenesis</i> , 2016, 95, 186-192.	2.9	30
42	Electrophoretic deposition and characterization of nano-Al/Fe ₂ O ₃ thermites. <i>Materials Letters</i> , 2014, 120, 224-227.	2.6	29
43	The accumulation of reactive oxygen species in root tips caused by autotoxic allelochemicals – A significant factor for replant problem of <i>Angelica sinensis</i> (Oliv.) Diels. <i>Industrial Crops and Products</i> , 2019, 138, 111432.	5.2	28
44	High-Efficiency Non-Fullerene Acceptors Developed by Machine Learning and Quantum Chemistry. <i>Advanced Science</i> , 2022, 9, e2104742.	11.2	28
45	Potential allelochemicals in root zone soils of <i>Stellera chamaejasme</i> L. and variations at different geographical growing sites. <i>Plant Growth Regulation</i> , 2015, 77, 335-342.	3.4	27
46	Codonopilate A, a Triterpenyl Ester as Main Autotoxin in Cultivated Soil of <i>Codonopsis pilosula</i> (Franch.) Nannf. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2032-2038.	5.2	26
47	Patterned recognition of amines and ammonium ions by a stimuli-responsive foldamer-based hexameric oligophenol host. <i>Chemical Communications</i> , 2013, 49, 5307.	4.1	25
48	Folding-Promoted TBACl-Mediated Chemo- and Regioselective Demethylations of Methoxybenzene-Based Macrocyclic Pentamers. <i>Organic Letters</i> , 2011, 13, 6212-6215.	4.6	24
49	Total Synthesis of Trioxacarcin DC ₄₅ A ₂ . <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3074-3078.	13.8	23
50	Antifungal activity of umbelliferone derivatives: Synthesis and structure-activity relationships. <i>Microbial Pathogenesis</i> , 2017, 104, 110-115.	2.9	23
51	One-Pot Multimolecular Macrocyclization for the Expedient Synthesis of Macrocyclic Aromatic Pentamers by a Chain Growth Mechanism. <i>Chemistry - an Asian Journal</i> , 2011, 6, 3298-3305.	3.3	22
52	Fabrication of Chromium (III) Oxide (Cr ₂ O ₃) Coating by Electrophoretic Deposition. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3413-3417.	3.8	22
53	An unusual macrocyclization reagent for highly selective one-pot synthesis of strained macrocyclic aromatic hexamers. <i>Chemical Communications</i> , 2014, 50, 3582-3584.	4.1	22
54	Allelochemicals from the Rhizosphere Soil of Cultivated <i>Astragalus hoantchy</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3345-3352.	5.2	22

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55	Bacterial community structure associated with the rhizosphere soils and roots of <i>Stellera chamaejasme</i> L. along a Tibetan elevation gradient. <i>Annals of Microbiology</i> , 2018, 68, 273-286.	2.6	19
56	Main Allelochemicals from the Rhizosphere Soil of <i>Saussurea lappa</i> (Decne.) Sch. Bip. and Their Effects on Plants's Antioxidase Systems. <i>Molecules</i> , 2018, 23, 2506.	3.8	19
57	Phylogenic diversity and tissue specificity of fungal endophytes associated with the pharmaceutical plant, <i>Stellera chamaejasme</i> L. revealed by a cultivation-independent approach. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 835-850.	1.7	18
58	Highly sensitive and visual detection of guanosine 3'-diphosphate-5'-di(tri)phosphate (ppGpp) in bacteria based on copper ions-mediated 4-mercaptobenzoic acid modified gold nanoparticles. <i>Analytica Chimica Acta</i> , 2018, 1023, 89-95.	5.4	18
59	POCl ₃ -mediated H-bonding-directed one-pot synthesis of macrocyclic pentamers, strained hexamers and highly strained heptamers. <i>Science China Chemistry</i> , 2012, 55, 55-63.	8.2	15
60	Octahedra-based molecular sieve aluminoborate (PKU-1) as solid acid for heterogeneously catalyzed Strecker reaction. <i>Catalysis Communications</i> , 2015, 58, 174-178.	3.3	15
61	Artificial Intelligence Designer for Highly-Efficient Organic Photovoltaic Materials. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8847-8854.	4.6	15
62	Folding-promoted TBAX-mediated selective demethylation of methoxybenzene-based macrocyclic aromatic pentamers. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4164.	2.8	14
63	Characterization of allelochemicals from the rhizosphere soil of <i>Pinellia ternate</i> (Thunb.) and their inhibition activity on protective enzymes. <i>Applied Soil Ecology</i> , 2018, 125, 301-306.	4.3	14
64	Effects of artemisinin on root gravitropic response and root system development in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2018, 85, 211-220.	3.4	14
65	Isolation and identification of chemical constituents from the bacterium <i>Bacillus</i> sp. and their nematicidal activities. <i>Journal of Basic Microbiology</i> , 2015, 55, 1239-1244.	3.3	13
66	Natural wax from non-medicinal aerial part of <i>Codonopsis pilosula</i> as a biolubricant. <i>Journal of Cleaner Production</i> , 2020, 242, 118403.	9.3	13
67	Effects of Allelochemicals, Soil Enzyme Activities, and Environmental Factors on Rhizosphere Soil Microbial Community of <i>Stellera chamaejasme</i> L. along a Growth-Coverage Gradient. <i>Microorganisms</i> , 2022, 10, 158.	3.6	12
68	Characterization of Rhizosphere and Endophytic Microbial Communities Associated with <i>Stipa purpurea</i> and Their Correlation with Soil Environmental Factors. <i>Plants</i> , 2022, 11, 363.	3.5	10
69	Characterization of rhizosphere and endophytic fungal communities from roots of <i>Stipa purpurea</i> in alpine steppe around Qinghai Lake. <i>Canadian Journal of Microbiology</i> , 2016, 62, 643-656.	1.7	9
70	Flavonoids from aerial parts of <i>Astragalus hoantchy</i> . <i>Fä-toterapÄ-Äç</i> , 2016, 114, 34-39.	2.2	9
71	Anion Exchange on Surface Induces Drastic Fluorescence Response in Cu(II) Coordination Polymer Crystals. <i>Crystal Growth and Design</i> , 2021, 21, 1905-1911.	3.0	8
72	Asymmetric Cyanosilylation of Aldehydes Catalyzed by Novel OrganoÄcatalysts. <i>Synlett</i> , 2005, 2005, 2445-2448.	1.8	6

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73	Total Synthesis of Trioxacarcin DCâ€45â€A2. <i>Angewandte Chemie</i> , 2015, 127, 3117-3121.	2.0	6
74	Secure joint Bitcoin trading with partially blind fuzzy signatures. <i>Soft Computing</i> , 2017, 21, 3123-3134.	3.6	6
75	Cycloartane-type triterpenoids from <i>Astragalus hoantchy</i> French.. <i>Natural Product Research</i> , 2017, 31, 314-319.	1.8	6
76	Bio-guided isolation of plant growth regulators from allelopathic plant- <i>Codonopsis pilosula</i> : phyto-selective activities and mechanisms. <i>RSC Advances</i> , 2018, 8, 13649-13655.	3.6	5
77	Effect of allelochemicals, soil enzyme activity and environmental factors from <i>Stellera chamaejasme</i> L. on rhizosphere bacterial communities in the northern Tibetan Plateau. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 547-560.	2.6	5
78	Diversity and Functions of Endophytic Fungi Associated with Roots and Leaves of <i>Stipa purpurea</i> in an Alpine Steppe at Qinghai-Tibet Plateau. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1027-1036.	2.1	5
79	Musellactone, A New Lactone From <i>Musella lasiocarpa</i> . <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 475-478.	1.4	3
80	Self-assembly of intramolecularly hydrogen-bonded amphiphilic diboronic acid for saccharide recognition. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 325-332.	9.4	3
81	Privacy-Preserving Lightweight Data Monitoring in Internet of Things Environments. <i>Wireless Personal Communications</i> , 2021, 116, 1765-1783.	2.7	3
82	Highly Enantioselective Cyanosilylation of Aldehydes Catalyzed by Novel β -Amino Alcohol-Titanium Complexes.. <i>ChemInform</i> , 2005, 36, no.	0.0	2
83	Molecular identification, diversity and functional characterization of fungal communities isolated from <i>Stipa purpurea</i> . <i>South African Journal of Botany</i> , 2022, 149, 117-123.	2.5	1
84	Enantioselective Cyanosilylation of Ketones by a Catalytic Double-Activation Method Employing Chiral Lewis Acid and Achiral N-Oxide Catalysts.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
85	Enantioselective Cyanosilylation of Ketones Catalyzed by Double-Activation Catalysts with N-Oxides.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
86	Catalytic Asymmetric Cyanosilylation of Ketones by a Chiral Amino Acid Salt.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
87	Inside Cover: One-Pot Multimolecular Macrocyclization for the Expedient Synthesis of Macrocyclic Aromatic Pentamers by a Chain Growth Mechanism (<i>Chem. Asian J.</i> 12/2011). <i>Chemistry - an Asian Journal</i> , 2011, 6, 3162-3162.	3.3	0