

# Bo Qin

## List of Publications by Year in descending order

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87  
papers

3,376  
citations

109264

35  
h-index

161767

54  
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103  
all docs

103  
docs citations

103  
times ranked

3056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of allelochemicals, soil enzyme activity and environmental factors from <i>Stellera chamaejasme</i> L. on rhizosphere bacterial communities in the northern Tibetan Plateau. Archives of Agronomy and Soil Science, 2022, 68, 547-560.	1.3	5
2	High-Efficiency Non-Fullerene Acceptors Developed by Machine Learning and Quantum Chemistry. Advanced Science, 2022, 9, e2104742.	5.6	28
3	Characterization of Rhizosphere and Endophytic Microbial Communities Associated with <i>Stipa purpurea</i> and Their Correlation with Soil Environmental Factors. Plants, 2022, 11, 363.	1.6	10
4	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. Microorganisms, 2022, 10, 158.	1.6	12
5	Role of Ions in Hydrogels with an Ionic Seebeck Coefficient of 52.9 mV K <sup>-1</sup> . Journal of Physical Chemistry Letters, 2022, 13, 4621-4627.	2.1	41
6	Molecular identification, diversity and functional characterization of fungal communities isolated from <i>Stipa purpurea</i> . South African Journal of Botany, 2022, 149, 117-123.	1.2	1
7	Privacy-Preserving Lightweight Data Monitoring in Internet of Things Environments. Wireless Personal Communications, 2021, 116, 1765-1783.	1.8	3
8	15.3% Efficiency All-Small-Molecule Organic Solar Cells Achieved by a Locally Asymmetric F, Cl Disubstitution Strategy. Advanced Science, 2021, 8, 2004262.	5.6	76
9	Anion Exchange on Surface Induces Drastic Fluorescence Response in Cu(II) Coordination Polymer Crystals. Crystal Growth and Design, 2021, 21, 1905-1911.	1.4	8
10	Artificial Intelligence Designer for Highly-Efficient Organic Photovoltaic Materials. Journal of Physical Chemistry Letters, 2021, 12, 8847-8854.	2.1	15
11	Natural wax from non-medicinal aerial part of <i>Codonopsis pilosula</i> as a biolubricant. Journal of Cleaner Production, 2020, 242, 118403.	4.6	13
12	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. International Journal of Biological Macromolecules, 2020, 155, 846-852.	3.6	49
13	Diversity and Functions of Endophytic Fungi Associated with Roots and Leaves of <i>Stipa purpurea</i> in an Alpine Steppe at Qinghai-Tibet Plateau. Journal of Microbiology and Biotechnology, 2020, 30, 1027-1036.	0.9	5
14	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. Industrial Crops and Products, 2019, 138, 111432.	2.5	28
15	Purification, characterization and antioxidant activities of a polysaccharide from the roots of <i>Lilium davidii</i> var. <i>unicolor</i> Cotton. International Journal of Biological Macromolecules, 2019, 135, 1208-1216.	3.6	43
16	Structural characterization, antioxidant and antibacterial activities of two heteropolysaccharides purified from the bulbs of <i>Lilium davidii</i> var. <i>unicolor</i> Cotton. International Journal of Biological Macromolecules, 2019, 133, 306-315.	3.6	52
17	Self-assembly of intramolecularly hydrogen-bonded amphiphilic diboric acid for saccharide recognition. Journal of Colloid and Interface Science, 2019, 537, 325-332.	5.0	3
18	Privacy-Preserving Cloud-Based Road Condition Monitoring With Source Authentication in VANETs. IEEE Transactions on Information Forensics and Security, 2019, 14, 1779-1790.	4.5	94

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19	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.	2.1	14
20	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.	1.1	19
21	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.	2.6	18
22	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.	1.8	14
23	Main Allelochemicals from the Rhizosphere Soil of <i>Saussurea lappa</i> (Decne.) Sch. Bip. and Their Effects on Plants' Antioxidase Systems. <i>Molecules</i> , 2018, 23, 2506.	1.7	19
24	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.	1.7	5
25	Secure joint Bitcoin trading with partially blind fuzzy signatures. <i>Soft Computing</i> , 2017, 21, 3123-3134.	2.1	6
26	Antifungal activity of umbelliferone derivatives: Synthesis and structure-activity relationships. <i>Microbial Pathogenesis</i> , 2017, 104, 110-115.	1.3	23
27	Online/Offline Provable Data Possession. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 1182-1194.	4.5	37
28	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.	2.4	26
29	Identity-Based Data Outsourcing With Comprehensive Auditing in Clouds. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 940-952.	4.5	92
30	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.	2.5	31
31	Cycloartane-type triterpenoids from <i>Astragalus hoantchy</i> French.. <i>Natural Product Research</i> , 2017, 31, 314-319.	1.0	6
32	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.	0.8	9
33	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.	1.3	30
34	Allelochemicals from the Rhizosphere Soil of Cultivated <i>Astragalus hoantchy</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3345-3352.	2.4	22
35	Phytotoxicity mechanisms of two coumarin allelochemicals from <i>Stellera chamaejasme</i> in lettuce seedlings. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	31
36	Flavonoids from aerial parts of <i>Astragalus hoantchy</i> . <i>FÄ-toterapÄ-Äç</i> , 2016, 114, 34-39.	1.1	9

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37	Total Synthesis of Trioxacarcins DC-45-A1, A, D, C, and C7 <sup>3-epi</sup> -C and Full Structural Assignment of Trioxacarcin C. <i>Journal of the American Chemical Society</i> , 2016, 138, 3118-3124.	6.6	39
38	Isolation and identification of chemical constituents from the bacterium <i>Bacillus</i> sp. and their nematocidal activities. <i>Journal of Basic Microbiology</i> , 2015, 55, 1239-1244.	1.8	13
39	Total Synthesis of Trioxacarcin DC-45-A2. <i>Angewandte Chemie</i> , 2015, 127, 3117-3121.	1.6	6
40	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.	2.8	46
41	Flexible attribute-based encryption applicable to secure e-healthcare records. <i>International Journal of Information Security</i> , 2015, 14, 499-511.	2.3	37
42	Total Synthesis of Trioxacarcin DC-45-A2. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3074-3078.	7.2	23
43	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.	1.8	27
44	Phytotoxicity of umbelliferone and its analogs: Structure-activity relationships and action mechanisms. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 272-277.	2.8	48
45	Phylogenetic 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.	0.7	18
46	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.	2.4	50
47	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.	4.5	66
48	Octahedra-based molecular sieve aluminoborate (PKU-1) as solid acid for heterogeneously catalyzed Strecker reaction. <i>Catalysis Communications</i> , 2015, 58, 174-178.	1.6	15
49	Fabrication of Chromium (III) Oxide (Cr <sub>2</sub> O <sub>3</sub> ) Coating by Electrophoretic Deposition. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3413-3417.	1.9	22
50	Electrophoretic deposition and characterization of nano-Al/Fe <sub>2</sub> O <sub>3</sub> thermites. <i>Materials Letters</i> , 2014, 120, 224-227.	1.3	29
51	An unusual macrocyclization reagent for highly selective one-pot synthesis of strained macrocyclic aromatic hexamers. <i>Chemical Communications</i> , 2014, 50, 3582-3584.	2.2	22
52	Phytotoxic flavonoids from roots of <i>Stellera chamaejasme</i> L. (Thymelaeaceae). <i>Phytochemistry</i> , 2014, 106, 61-68.	1.4	45
53	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.	1.2	108
54	Patterned recognition of amines and ammonium ions by a stimuli-responsive foldamer-based hexameric oligophenol host. <i>Chemical Communications</i> , 2013, 49, 5307.	2.2	25

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55	Folding-promoted TBAX-mediated selective demethylation of methoxybenzene-based macrocyclic aromatic pentamers. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4164.	1.5	14
56	POCl <sub>3</sub> -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.	4.2	15
57	Highly selective one-pot synthesis of H-bonded pentagon-shaped circular aromatic pentamers. <i>Chemical Communications</i> , 2011, 47, 5419-5421.	2.2	46
58	Folding-Promoted TBACl-Mediated Chemo- and Regioselective Demethylations of Methoxybenzene-Based Macrocyclic Pentamers. <i>Organic Letters</i> , 2011, 13, 6212-6215.	2.4	24
59	One-Pot Synthesis of Hybrid Macrocyclic Pentamers with Variable Functionalizations around the Periphery. <i>Organic Letters</i> , 2011, 13, 2270-2273.	2.4	36
60	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.	1.7	22
61	Inside Cover: One-Pot Multimolecular Macrocyclization for the Expedient Synthesis of Macrocyclic Aromatic Pentamers by a Chain Growth Mechanism (Chem. Asian J. 12/2011). <i>Chemistry - an Asian Journal</i> , 2011, 6, 3162-3162.	1.7	0
62	Crystallographic Realization of the Mathematically Predicted Densest All-Pentagon Packing Lattice by C <sub>5</sub> -Symmetric $\sigma$ -Sticky-Fluoropentamers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10612-10615.	7.2	61
63	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.	6.6	79
64	Asymmetric Conjugate Addition of Nitromethane to Enones Catalyzed by Chiral N <sub>2</sub> O <sub>2</sub> -Dioxido-Scandium(III) Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 7696-7699. <sup>1.7</sup>	1.7	39
65	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.	7.2	110
66	N <sub>2</sub> O <sub>2</sub> -Dioxido-Cu(OTf) <sub>2</sub> Complex Catalyzed Highly Enantioselective Amination Reaction of N-Acetyl Enamide. <i>Organic Letters</i> , 2010, 12, 2214-2217.	2.4	45
67	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.	6.6	86
68	Helical Organization in Foldable Aromatic Oligoamides by a Continuous Hydrogen-Bonding Network. <i>Organic Letters</i> , 2009, 11, 1201-1204.	2.4	57
69	Crystallographic Evidence of an Unusual, Pentagon-Shaped Folding Pattern in a Circular Aromatic Pentamer. <i>Organic Letters</i> , 2008, 10, 5127-5130.	2.4	74
70	Highly Enantioselective Henry (Nitroaldol) Reaction of Aldehydes and $\alpha$ -Ketoesters Catalyzed by N <sub>2</sub> O <sub>2</sub> -Dioxido-Copper(I) Complexes. <i>Journal of Organic Chemistry</i> , 2007, 72, 9323-9328.	1.7	148
71	Highly Enantioselective Aza-Henry Reaction of N-Tosyl Imines Catalyzed by N <sub>2</sub> O <sub>2</sub> -Dioxido-Cu(I) Complexes. <i>Journal of Organic Chemistry</i> , 2007, 72, 10302-10304.	1.7	61
72	Enantioselective Strecker Reaction of Phosphinoyl Ketoimines Catalyzed by in Situ Prepared Chiral N <sub>2</sub> O <sub>2</sub> -Dioxides. <i>Journal of Organic Chemistry</i> , 2007, 72, 204-208.	1.7	92

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73	Highly Enantioselective Allylation of $\alpha$ -Ketoesters Catalyzed by $N$ -Dioxide $\text{In(III)}$ Complexes. <i>Journal of Organic Chemistry</i> , 2007, 72, 8478-8483.	1.7	63
74	Enantioselective Cyanosilylation of $\alpha,\beta$ -Dialkoxy Ketones Catalyzed by Proline-Derived in-Situ-Prepared $N$ -Oxide as Bifunctional Organocatalyst. <i>Journal of Organic Chemistry</i> , 2007, 72, 2374-2378.	1.7	86
75	Enantioselective trifluoromethylation of aromatic aldehydes catalyzed by combinatorial catalysts. <i>Tetrahedron</i> , 2007, 63, 6822-6826.	1.0	61
76	Highly Enantio- and Diastereoselective Brassard Type Hetero-Diels-Alder Approach to 5-Methyl-Containing $\alpha,\beta$ -Unsaturated $\gamma$ -Lactones. <i>Journal of Organic Chemistry</i> , 2006, 71, 4141-4146.	1.7	58
77	Musellactone, A New Lactone From <i>Musella Lasiocarpa</i> . <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 475-478.	0.8	3
78	Catalytic Asymmetric Cyanosilylation of Ketones by a Chiral Amino Acid Salt.. <i>ChemInform</i> , 2006, 37, no.	0.1	0
79	Enantioselective Cyanosilylation of Ketones Catalyzed by Double-Activation Catalysts with $N$ -Oxides.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
80	Highly Enantioselective Cyanosilylation of Aldehydes Catalyzed by Novel $\beta$ -Amino Alcohol-Titanium Complexes.. <i>ChemInform</i> , 2005, 36, no.	0.1	2
81	Asymmetric Cyanosilylation of Aldehydes Catalyzed by Novel Organocatalysts. <i>Synlett</i> , 2005, 2005, 2445-2448.	1.0	6
82	Catalytic Asymmetric Cyanosilylation of Ketones by a Chiral Amino Acid Salt. <i>Journal of the American Chemical Society</i> , 2005, 127, 12224-12225.	6.6	165
83	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.	1.7	99
84	Enantioselective cyanosilylation of ketones catalyzed by double-activation catalysts with $N$ -oxides. <i>Tetrahedron</i> , 2004, 60, 10449-10460.	1.0	42
85	Highly Enantioselective Cyanosilylation of Aldehydes Catalyzed by Novel $\beta$ -Amino Alcohol-Titanium Complexes. <i>Journal of Organic Chemistry</i> , 2004, 69, 7910-7913.	1.7	95
86	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.	0.1	0
87	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.	2.4	110