

# Qi-Qiang Wang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/472857/qi-qiang-wang-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

1,837

citations

23

h-index

41

g-index

77

ext. papers

2,210

ext. citations

7.4

avg, IF

5.06

L-index

#	Paper	IF	Citations
69	Putting Anion-Interactions at Work for Catalysis. <i>Chemistry - A European Journal</i> , <b>2021</b> ,	4.8	2
68	Reversal and Amplification of the Enantioselectivity of Biocatalytic Desymmetrization toward Meso Heterocyclic Dicarboxamides Enabled by Rational Engineering of Amidase. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6900-6907	13.1	7
67	Exploiting Anion-Interactions for Efficient and Selective Catalysis with Chiral Molecular Cages. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20650-20655	16.4	8
66	Exploiting Anion-Interactions for Efficient and Selective Catalysis with Chiral Molecular Cages. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20818-20823	3.6	1
65	Modification of the Enantioselectivity of Biocatalytic meso-Desymmetrization for Synthesis of Both Enantiomers of cis-1,2-Disubstituted Cyclohexane by Amidase Engineering. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 4538	5.6	1
64	Enantioselective biocatalytic desymmetrization for synthesis of enantiopure cis-3,4-disubstituted pyrrolidines. <i>Green Synthesis and Catalysis</i> , <b>2021</b> , 2, 324-327	9.3	0
63	Face Promoted Catalysis in Water: From Electron-deficient Molecular Cages to Single Aromatic Slides. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 3599-3603	4.5	0
62	Cation-chloride cotransport mediated by an ion pair transporter. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 8586-8590	3.9	0
61	Xenon binding by a tight yet adaptive chiral soft capsule. <i>Nature Communications</i> , <b>2020</b> , 11, 6257	17.4	7
60	Magnetic Multistability in an Anion-Radical Pimer. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14040-14043	16.4	10
59	Chiral Macrocycle-Enabled Counteranion Trapping for Boosting Highly Efficient and Enantioselective Catalysis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 10986-10990	3.6	5
58	Chiral Macrocycle-Enabled Counteranion Trapping for Boosting Highly Efficient and Enantioselective Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10894-10898	16.4	17
57	Supramolecular Catalysis Using Organic Macrocycles <b>2020</b> , 829-875		
56	Substrate-Induced Dimerization Assembly of Chiral Macrocycle Catalysts toward Cooperative Asymmetric Catalysis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2645-2649	3.6	7
55	Substrate-Induced Dimerization Assembly of Chiral Macrocycle Catalysts toward Cooperative Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2623-2627	16.4	25
54	Artificial Chloride-Selective Channel: Shape and Function Mimic of the ClC Channel Selective Pore. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13273-13277	16.4	23
53	Enhancement of Ion Pairing of Sr(II) and Ba(II) Salts by a Tritopic Ion-Pair Receptor in Solution. <i>ChemPhysChem</i> , <b>2020</b> , 21, 1957-1965	3.2	1

52	Anion Transporters Based on Noncovalent Balance including Anion- $\pi$ Hydrogen, and Halogen Bonding. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 8859-8869	4.2	18
51	Supramolecular Catalysis Using Organic Macrocycles <b>2019</b> , 1-47		1
50	Benzene Triimides: Facile Synthesis and Self-Assembly Study. <i>Chinese Journal of Chemistry</i> , <b>2019</b> , 37, 684-688	4.9	4
49	Anion- $\pi$ Directed Self-Assembly between Di- and Trisulfonates and a Rigid Molecular Cage with Three Electron-Deficient V-Clefts. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5980-5987	5.1	12
48	Highly efficient biocatalytic desymmetrization of meso carbocyclic 1,3-dicarboxamides: a versatile route for enantiopure 1,3-disubstituted cyclohexanes and cyclopentanes. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 808-812	5.2	6
47	Macrocycle-Directed Construction of Tetrahedral Anion- $\pi$ Receptors for Nesting Anions with Complementary Geometry. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13275-13279	4.8	6
46	Benzene Triimide Cage as a Selective Container of Azide. <i>Organic Letters</i> , <b>2019</b> , 21, 7158-7162	6.2	14
45	Cage Based Crystalline Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3843-3848	16.4	45
44	Toward Anion- $\pi$ Interactions Directed Self-Assembly with Predesigned Dual Macrocylic Receptors and Dianions. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 1118-1125	16.4	34
43	Fe-Catalyzed decarbonylative alkylation/epoxidation of alkenes with aliphatic aldehydes and hydroperoxide under mild conditions. <i>Green Chemistry</i> , <b>2019</b> , 21, 269-274	10	21
42	Macrocycle-Enabled Counteranion Trapping for Improved Catalytic Efficiency. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4268-4272	4.8	17
41	Conformational Control of Oxacalix[3]arene[3]triazine with Anion- $\pi$ Interactions. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 2707-2711	3.5	6
40	Vesicles Constructed with Chiral Amphiphilic Oxacalix[2]arene[2]triazine Derivatives for Enantioselective Recognition of Organic Anions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3181-3185	9.5	10
39	Synthesis of carboxylate head-containing self-complementary building units and their anion- $\pi$ directed self-assembly. <i>Supramolecular Chemistry</i> , <b>2018</b> , 30, 568-574	1.8	7
38	Diversity-Oriented Construction and Interconversion of Multicavity Supermacrocyces for Cooperative Anion- $\pi$ Binding. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16053-16057	3.6	3
37	Diversity-Oriented Construction and Interconversion of Multicavity Supermacrocyces for Cooperative Anion- $\pi$ Binding. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15827-15831	16.4	17
36	Biocatalytic Desymmetrization of Prochiral 3-Aryl and 3-Arylmethyl Glutaramides: Different Remote Substituent Effect on Catalytic Efficiency and Enantioselectivity. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 4594-4603	5.6	8
35	Synthesis, Structure, Property, and Dinuclear Cu(II) Complexation of Tetraoxacalix[2]arene[2]phenanthrolines. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 13461-13469	5.1	2

34	Tritopic ion-pair receptors based on anion- $\pi$ interactions for selective CaX binding. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7883-7887	4.3	14
33	Anionic Head Containing Oxacalix[2]arene[2]triazines: Synthesis and Anion-Directed Self-Assembly in Solution and Solid State. <i>Organic Letters</i> , <b>2017</b> , 19, 738-741	6.2	31
32	Metal-free decarbonylative alkylation-aminoxidation of styrene derivatives with aliphatic aldehydes and N-hydroxyphthalimide. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 1338-1342	3.9	22
31	Multiresponsive Vesicles Composed of Amphiphilic Azacalix[4]pyridine Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10378-10382	9.5	6
30	Molecular Barrel by a Hooping Strategy: Synthesis, Structure, and Selective CO Adsorption Facilitated by Lone Pair- $\pi$ Interactions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 635-638	16.4	40
29	Synthesis and structure of N-methylated azacalix[4]pyridines and azacalix[1]arene[3]pyridines. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 3708-3711	2	3
28	Fe-Catalyzed radical-type difunctionalization of styrenes with aliphatic aldehydes and trimethylsilyl azide via a decarbonylative alkylation-azidation cascade. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 9987-9991	3.9	28
27	Oxacalix[2]arene[2]triazine Derivatives with Halogen Bond Donors: Synthesis, Structure, and Halide Binding in the Solid State. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 5460-5465	3.5	4
26	Self-assembled nanospheres with multiple endohedral binding sites pre-organize catalysts and substrates for highly efficient reactions. <i>Nature Chemistry</i> , <b>2016</b> , 8, 225-30	17.6	205
25	Oxacalix[2]arene[2]triazine based ion-pair transporters. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 330-4	3.9	26
24	Biocatalytic Desymmetrization of Dinitriles in Organic Synthesis. <i>Chinese Journal of Organic Chemistry</i> , <b>2016</b> , 36, 2333	3	5
23	Chelate effects in sulfate binding by amide/urea-based ligands. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 6953-7	3.9	23
22	Designed self-assemblies based on cooperative noncovalent interactions including anion- $\pi$ lone-pair electron- $\pi$ and hydrogen bonding. <i>RSC Advances</i> , <b>2014</b> , 4, 9339	3.7	26
21	Macrocyclic influences in CO $_2$ uptake and stabilization. <i>Organic Letters</i> , <b>2014</b> , 16, 3982-5	6.2	4
20	Design, structure and anion recognition of larger-rim functionalized oxacalix[2]arene[2]triazine hosts. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 3172-3175	2	10
19	Hexagonal molecular "palladawheel". <i>Chemical Communications</i> , <b>2013</b> , 49, 8042-4	5.8	11
18	Chemical mustard containment using simple palladium pincer complexes: the influence of molecular walls. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17193-9	16.4	34
17	Chemistry and structure of a host-guest relationship: the power of NMR and X-ray diffraction in tandem. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 392-9	16.4	45

16	Alfred Werner's expanded legacy: Anion and metal ion coordination in an unsymmetrical, octaamido cryptand. <i>Polyhedron</i> , <b>2013</b> , 52, 515-523	2.7	8
15	Supramolecular encapsulation of tetrahedrally hydrated guests in a tetrahedron host. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2119-23	16.4	74
14	Sulfur, oxygen, and nitrogen mustards: stability and reactivity. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 8786-93	3.9	60
13	Synthesis and structure of oxacalix[2]arene[2]triazines of an expanded $\pi$ -electron-deficient cavity and their interactions with anions. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 1860-7	4.2	48
12	Molecular thioamide $\pi$ -thiothiolate switches for sulfur mustards. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 760-2	5.1	49
11	Supramolecular Encapsulation of Tetrahedrally Hydrated Guests in a Tetrahedron Host. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 2161-2165	3.6	19
10	Tunable, shape-shifting capsule for dicarboxylates. <i>Chemical Science</i> , <b>2011</b> , 2, 1735	9.4	28
9	Synthesis, structure and molecular recognition of functionalised tetraoxacalix[2]arene[2]triazines. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 7265-75	4.8	55
8	Versatile anion- $\pi$ interactions between halides and a conformationally rigid bis(tetraoxacalix[2]arene[2]triazine) cage and their directing effect on molecular assembly. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 13053-7	4.8	117
7	Halide recognition by tetraoxacalix[2]arene[2]triazine receptors: concurrent noncovalent halide- $\pi$ and lone-pair- $\pi$ interactions in host-halide-water ternary complexes. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7485-8	16.4	228
6	Halide Recognition by Tetraoxacalix[2]arene[2]triazine Receptors: Concurrent Noncovalent Halide- $\pi$ and Lone-pair- $\pi$ Interactions in Host-Halide-Water Ternary Complexes. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 7595-7598	3.6	63
5	Adlayer structures of aza- and/or oxo-bridged calix[2]arene[2]triazines on Au(111) investigated by scanning tunneling microscopy (STM). <i>Langmuir</i> , <b>2007</b> , 23, 8021-7	4	8
4	Efficient functionalizations of heteroatom-bridged calix[2]arene[2]triazines on the larger rim. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 3757-63	4.2	67
3	Formation and conformational conversion of flattened partial cone oxygen bridged calix[2]arene[2]triazines. <i>Organic Letters</i> , <b>2007</b> , 9, 2847-50	6.2	67
2	Synthesis of tetraazacalix[2]arene[2]triazines: tuning the cavity by the substituents on the bridging nitrogen atoms. <i>Organic Letters</i> , <b>2006</b> , 8, 5967-70	6.2	55
1	Bioinspired tetraamino-bisthiourea chiral macrocycles in catalyzing decarboxylative Mannich reactions. <i>Beilstein Journal of Organic Chemistry</i> , <b>18</b> , 486-496	2.5	0