

# Shao-Liang Zheng

## List of Publications by Year in Descending Order

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

62

papers

1,339

citations

22

h-index

35

g-index

67

ext. papers

1,600

ext. citations

7.8

avg, IF

4.75

L-index

#	Paper	IF	Citations
62	Crystal structure of a tri-fluoro-methyl benzoato quadruple-bonded dimolybdenum complex.. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2022</b> , 78, 154-158	0.7	0
61	Selective electrochemical capture and release of uranyl from aqueous alkali, lanthanide, and actinide mixtures using redox-switchable carboranes.. <i>Chemical Science</i> , <b>2022</b> , 13, 3369-3374	9.4	0
60	Synthesis, Characterization, and Hydrogen Evolution Activity of Metallo--(4-fluoro-2,6-dimethylphenyl)porphyrin Derivatives.. <i>ACS Omega</i> , <b>2022</b> , 7, 8988-8994	3.9	1
59	Proton-coupled electron transfer of macrocyclic ring hydrogenation: The chlorinphlorin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2122063119 <sup>11.5</sup>	11.5	0
58	Colossal barocaloric effects with ultralow hysteresis in two-dimensional metal-halide perovskites.. <i>Nature Communications</i> , <b>2022</b> , 13, 2536	17.4	1
57	O-Heterocycle Synthesis via Intramolecular C-H Alkoxylation Catalyzed by Iron Acetylacetonate. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7480-7489	16.4	2
56	NF-B inhibitory, antimicrobial and antiproliferative potentials of compounds from Hawaiian fungus FS910. <i>3 Biotech</i> , <b>2021</b> , 11, 391	2.8	0
55	Enantioselective C-H Amination Catalyzed by Nickel Iminyl Complexes Supported by Anionic Bisoxazoline (BOX) Ligands. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 817-829	16.4	18
54	Luminescence from open-shell, first-row transition metal dipyrin complexes. <i>Dalton Transactions</i> , <b>2021</b> , 50, 6418-6422	4.3	1
53	Syntheses and solid-state structures of two cofacial (bis)dipyrin dichromium complexes in different charge states. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2021</b> , 77, 161-166	0.8	1
52	Teaching space-group diagrams to chemistry students through a peer-tutoring approach. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2021</b> , 77, 864-866	0.7	0
51	Crystal structure of the RuPhos ligand. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2021</b> , 77, 171-174	0.7	0
50	Waikikiamides A-C: Complex Diketopiperazine Dimer and Diketopiperazine-Polyketide Hybrids from a Hawaiian Marine Fungal Strain sp. FM242. <i>Organic Letters</i> , <b>2020</b> , 22, 4408-4412	6.2	16
49	C-H Amination Mediated by Cobalt Organoazide Adducts and the Corresponding Cobalt Nitrenoid Intermediates. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 11232-11243	16.4	24
48	Synthesis and electronic structure studies of a Cr-imido redox series. <i>Chemical Communications</i> , <b>2020</b> , 56, 3163-3166	5.8	5
47	Electronic Structures and Reactivity Profiles of Aryl Nitrenoid-Bridged Dicopper Complexes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2264-2276	16.4	13
46	Synthesis of a copper-supported triplet nitrene complex pertinent to copper-catalyzed amination. <i>Science</i> , <b>2019</b> , 365, 1138-1143	33.3	81

45	Melting Transitions of the Organic Subphase in Layered Two-Dimensional Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 2924-2930	6.4	15
44	Synthesis of the HIF-2 $\beta$ translation inhibitor compound 76 via a Japp-Klingemann coupling. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 983-985	2	
43	Exposing the inadequacy of redox formalisms by resolving redox inequivalence within isovalent clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15836-15841	11.5	51
42	Synthetic Variation and Structural Trends in Layered Two-Dimensional Alkylammonium Lead Halide Perovskites. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5592-5607	9.6	52
41	Synthesis, characterization and C-H amination reactivity of nickel iminyl complexes. <i>Chemical Science</i> , <b>2019</b> , 11, 1260-1268	9.4	22
40	From the source: student-centred guest lecturing in a chemical crystallography class. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 909-914	3.8	6
39	Obtaining a Low and Wide Atomic Layer Deposition Window (150-275 $^{\circ}$ C) for In O Films Using an In Amidinate and H O. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9525-9529	4.8	18
38	Connecting Key Concepts with Student Experience: Introducing Small-Molecule Crystallography to Chemistry Undergraduates Using a Flexible Laboratory Module. <i>Journal of Chemical Education</i> , <b>2018</b> , 95, 2279-2283	2.4	5
37	Ground State and Excited State Tuning in Ferric Dipyrin Complexes Promoted by Ancillary Ligand Exchange. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5892-5901	5.1	14
36	Divergent prebiotic synthesis of pyrimidine and 8-oxo-purine ribonucleotides. <i>Nature Communications</i> , <b>2017</b> , 8, 15270	17.4	63
35	Regioselective Synthesis, NMR, and Crystallographic Analysis of N1-Substituted Pyrazoles. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 8864-8872	4.2	26
34	The Crystalline Sponge Method: A Solvent-Based Strategy to Facilitate Noncovalent Ordered Trapping of Solid and Liquid Organic Compounds. <i>CrystEngComm</i> , <b>2017</b> , 19, 4528-4534	3.3	19
33	C-H Activation from Iron(II)-Nitroxido Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12197-12201	16.4	10
32	C $\beta$ Activation from Iron(II)-Nitroxido Complexes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12365-12369	3.6	2
31	Enantioselective Conversion of Achiral Cyclohexadienones to Chiral Cyclohexenones by Desymmetrization. <i>Organic Letters</i> , <b>2016</b> , 18, 6172-6175	6.2	16
30	Stereoelectronic Effects in Cl Elimination from Binuclear Pt(III) Complexes. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 11815-11820	5.1	18
29	Probing Edge Site Reactivity of Oxidic Cobalt Water Oxidation Catalysts. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4229-36	16.4	140
28	Teaching with the Case Study Method To Promote Active Learning in a Small Molecule Crystallography Course for Chemistry Students. <i>Journal of Chemical Education</i> , <b>2016</b> , 93, 270-274	2.4	13

27	Teaching Outside the Classroom: Field Trips in Crystallography Education for Chemistry Students. <i>Journal of Chemical Education</i> , <b>2016</b> , 93, 1671-1675	2.4	11
26	Ligand Field Strength Mediates Electron Delocalization in Octahedral $[(\text{H})\text{L}_2\text{Fe}_6(\text{L})_m]^{n+}$ Clusters. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 11126-43	16.4	35
25	Trap-Free Halogen Photoelimination from Mononuclear Ni(III) Complexes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6472-5	16.4	89
24	Pushing Single-Oxygen-Atom-Bridged Bimetallic Systems to the Right: A Cryptand-Encapsulated Co-O-Co Unit. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15354-7	16.4	9
23	Analysis of rapidly synthesized guest-filled porous complexes with synchrotron radiation: practical guidelines for the crystalline sponge method. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2015</b> , 71, 46-58	1.7	68
22	Synthesis of Well-Defined Bicapped Octahedral Iron Clusters $[(\text{trenL})_2\text{Fe}_8(\text{PMe}_2\text{Ph})_2]_n$ ( $n=0, \text{I}$ ). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12177-12181	3.6	5
21	Synthesis of well-defined bicapped octahedral iron clusters $[(\text{trenL})_2\text{Fe}_8(\text{PMe}_2\text{Ph})_2]_n$ ( $n=0, -1$ ). <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12009-13	16.4	13
20	Condensed-Phase, Halogen-Bonded CF <sub>3</sub> I and C <sub>2</sub> F <sub>5</sub> I Adducts for Perfluoroalkylation Reactions. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3783-3787	3.6	40
19	Photocrystallographic observation of halide-bridged intermediates in halogen photoeliminations. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15346-55	16.4	26
18	Real-Time Crystallography of Photoinduced Processes in Supramolecular Framework Solids <b>2011</b> , 155-174		1
17	Direct observation of a photoinduced nonstabilized nitrile imine structure in the solid state. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18036-7	16.4	53
16	Ligand-Tuning of the Excitation Wavelength of a Solid state E/Z Isomerization: $[\text{Zn}(\text{TA})_2(2,2\text{-Bipyridyl})]$ in a Supramolecular Framework. <i>Journal of the Chinese Chemical Society</i> , <b>2009</b> , 56, 16-21	1.5	1
15	Engineering delocalizing $\pi$ -electronic $[\text{CuI}(\text{B-OH})(\text{Bpz})_3]^{2+}$ species into organometallic frameworks by Ag- $\pi$ -coordination. <i>CrystEngComm</i> , <b>2008</b> , 10, 1467	3.3	18
14	Competitive isomerization and dimerization in co-crystals of 1,1,6,6-tetraphenyl-2,4-hexadiyne-1,6-diol and sorbic acid: a new look at stereochemical requirements for [2+2] dimerization. <i>Chemical Communications</i> , <b>2008</b> , 2538-40	5.8	18
13	Supramolecular solids as a medium for single-crystal-to-single-crystal E/Z photoisomerization: kinetic study of the photoreactions of two Zn-coordinated tiglic acid molecules. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 706-13	4.8	35
12	Ligation of Bipyridyl Ligands to Metal 8-Hydroxyquinolinates $\pi$ Synthesis, Crystal Structures, and TDDFT Study. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 5076-5081	2.3	4
11	Single-crystal-to-single-crystal E $\rightarrow$ Z and Z $\rightarrow$ E isomerizations of 3-chloroacrylic acid within the nanocavities of a supramolecular framework. <i>Chemical Communications</i> , <b>2007</b> , 2735-7	5.8	22
10	The nature of the Ag...AgI interaction in different Ag(NH <sub>3</sub> ) <sub>2</sub> dimers embedded in supramolecular solids. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 8583-90	4.8	28

9	Single-crystal-to-single-crystal E → Z isomerization of tiglic acid in a supramolecular framework. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2007</b> , 63, 644-9		30
8	Supramolecular solids and time-resolved diffraction. <i>CrystEngComm</i> , <b>2006</b> , 8, 735	3.3	28
7	Ligand-unsupported Au(I) chains with short Au(I)...Au(I) contacts. <i>Chemical Communications</i> , <b>2006</b> , 3711-3.8	3.8	25
6	Effect of the environment on molecular properties: synthesis, structure, and photoluminescence of Cu(I) bis(2,9-dimethyl-1,10-phenanthroline) nanoclusters in eight different supramolecular frameworks. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9281-9	5.1	32
5	Emission quenching of photoactive molecules embedded in supramolecular solids: Synthesis, structure and photoluminescence studies of benzil in a CMCR-based inclusion complex with a saturated linker molecule. <i>CrystEngComm</i> , <b>2005</b> , 7, 289	3.3	19
4	Luminescence Quenching and Energy Transfer in Supramolecular Solids <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 2050-2059	3.5	28
3	An unstable ligand-unsupported Cu(I) dimer stabilized in a supramolecular framework. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4614-7	16.4	54
2	An Unstable Ligand-Unsupported CuI Dimer Stabilized in a Supramolecular Framework. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4690-4693	3.6	14
1	Syntheses, structures, photoluminescence and theoretical studies of xanthone in crystalline resorcinarene-based inclusion complexes. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3583-90	4.8	24