

# Shao-Liang Zheng

## List of Publications by Citations

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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	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
61	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
60	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
59	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
58	Divergent prebiotic synthesis of pyrimidine and 8-oxo-purine ribonucleotides. <i>Nature Communications</i> , <b>2017</b> , 8, 15270	17.4	63
57	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
56	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
55	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
54	Condensed-Phase, Halogen-Bonded CF3I and C2F5I Adducts for Perfluoroalkylation Reactions. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3783-3787	3.6	40
53	Ligand Field Strength Mediates Electron Delocalization in Octahedral [((H)L)2Fe6(L)6m](n+) Clusters. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 11126-43	16.4	35
52	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
51	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
50	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
49	The nature of the AgI...AgI interaction in different Ag(NH3)2 dimers embedded in supramolecular solids. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 8583-90	4.8	28
48	Luminescence Quenching and Energy Transfer in Supramolecular Solids. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 2050-2059	3.5	28
47	Supramolecular solids and time-resolved diffraction. <i>CrystEngComm</i> , <b>2006</b> , 8, 735	3.3	28
46	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

45	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
44	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
43	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
42	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
41	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
40	Synthesis, characterization and C-H amination reactivity of nickel iminyl complexes. <i>Chemical Science</i> , <b>2019</b> , 11, 1260-1268	9.4	22
39	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
38	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
37	Stereoelectronic Effects in Cl Elimination from Binuclear Pt(III) Complexes. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 11815-11820	5.1	18
36	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
35	Engineering delocalizing $\pi$ -electronic [CuII3( $\beta$ -OH)( $\beta$ pz)3]2+ species into organometallic frameworks by Ag- $\pi$ coordination. <i>CrystEngComm</i> , <b>2008</b> , 10, 1467	3.3	18
34	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
33	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
32	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
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	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
29	Ground State and Excited State Tuning in Ferric Dipyrrin Complexes Promoted by Ancillary Ligand Exchange. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5892-5901	5.1	14
28	An Unstable Ligand-Unsupported CuI Dimer Stabilized in a Supramolecular Framework. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4690-4693	3.6	14

27	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
26	Synthesis of well-defined bicapped octahedral iron clusters $[(\text{tren} \text{ L})_2 \text{Fe}_8 (\text{PMe}_2 \text{ Ph})_2 ](\text{n}) (\text{n}=0, -1)$ . <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12009-13	16.4	13
25	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
24	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
23	C-H Activation from Iron(II)-Nitroxido Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12197-12201	16.4	10
22	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
21	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
20	Synthesis and electronic structure studies of a Cr-imido redox series. <i>Chemical Communications</i> , <b>2020</b> , 56, 3163-3166	5.8	5
19	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	5
18	Synthesis of Well-Defined Bicapped Octahedral Iron Clusters $[(\text{tren} \text{ L})_2 \text{Fe}_8 (\text{PMe}_2 \text{ Ph})_2 ](\text{n}) (\text{n}=0, \text{I})$ . <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12177-12181	3.6	5
17	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
16	Ligation of Bipyridyl Ligands to Metal 8-Hydroxyquinolinates [Synthesis, Crystal Structures, and TDDFT Study. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 5076-5081	2.3	4
15	C-H Activation from Iron(II)-Nitroxido Complexes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12365-12369	3.6	2
14	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
13	Real-Time Crystallography of Photoinduced Processes in Supramolecular Framework Solids <b>2011</b> , 155-174		1
12	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
11	Luminescence from open-shell, first-row transition metal dipyrin complexes. <i>Dalton Transactions</i> , <b>2021</b> , 50, 6418-6422	4.3	1
10	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

9	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
8	Colossal barocaloric effects with ultralow hysteresis in two-dimensional metal-halide perovskites.. <i>Nature Communications</i> , <b>2022</b> , 13, 2536	17.4	1
7	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
6	Crystal structure of the RuPhos ligand. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2021</b> , 77, 171-174	0.7	0
5	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
4	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>		0
3	Synthesis of the HIF-2 $\alpha$ translation inhibitor compound 76 via a Japp-Klingemann coupling. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 983-985	2	
2	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	
1	NF- $\kappa$ B inhibitory, antimicrobial and antiproliferative potentials of compounds from Hawaiian fungus FS910. <i>3 Biotech</i> , <b>2021</b> , 11, 391	2.8	