

# Shao-Xiong Luo

## List of Publications by Year in descending order

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48  
papers

604  
citations

687363

13  
h-index

752698

20  
g-index

49  
all docs

49  
docs citations

49  
times ranked

896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, Synthesis, and Self-Assembly of Polymers with Tailored Graft Distributions. <i>Journal of the American Chemical Society</i> , 2017, 139, 17683-17693.	13.7	108
2	Origins of Initiation Rate Differences in Ruthenium Olefin Metathesis Catalysts Containing Chelating Benzylidenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 5782-5792.	13.7	89
3	Effects of Grafting Density on Block Polymer Self-Assembly: From Linear to Bottlebrush. <i>ACS Nano</i> , 2017, 11, 11632-11641.	14.6	87
4	Trace Ethylene Sensing via Wacker Oxidation. <i>ACS Central Science</i> , 2020, 6, 507-512.	11.3	48
5	Z-Selective Cross-Metathesis and Homodimerization of 3-Substituted-1,3-Dienes: Reaction Optimization, Computational Analysis, and Synthetic Applications. <i>Journal of the American Chemical Society</i> , 2016, 138, 14039-14046.	13.7	45
6	Penttiptycene Polymer/Single-Walled Carbon Nanotube Complexes: Applications in Benzene, Toluene, and <i>o</i> -Xylene Detection. <i>ACS Nano</i> , 2020, 14, 7297-7307.	14.6	34
7	A chemiresistive methane sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
8	An S <sub>N</sub> Ar Approach to Sterically Hindered <i>ortho</i> -Alkoxybenzaldehydes for the Synthesis of Olefin Metathesis Catalysts. <i>Journal of Organic Chemistry</i> , 2015, 80, 4213-4220.	3.2	27
9	An Initiation Kinetics Prediction Model Enables Rational Design of Ruthenium Olefin Metathesis Catalysts Bearing Modified Chelating Benzylidenes. <i>ACS Catalysis</i> , 2018, 8, 4600-4611.	11.2	27
10	Enhanced Emission and Analyte Sensing by Cinchonine Iridium(III) Cyclometalated Complexes Bearing Bent Diphosphine Chelators. <i>Organometallics</i> , 2013, 32, 2908-2917.	2.3	23
11	Electrocatalytic Isoxazoline@Nanocarbon Metal Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10441-10453.	13.7	18
12	Chelating Phosphine Ligand Stabilized AuNPs in Methane Detection. <i>ACS Nano</i> , 2020, 14, 11605-11612.	14.6	16
13	Trace Hydrogen Sulfide Sensing Inspired by Polyoxometalate-Mediated Aerobic Oxidation. <i>ACS Central Science</i> , 2021, 7, 1572-1580.	11.3	14
14	Solution-processable microporous polymer platform for heterogenization of diverse photoredox catalysts. <i>Nature Communications</i> , 2022, 13, .	12.8	11
15	Methane Detection with a Tungsten@Calix[4]arene@Based Conducting Polymer Embedded Sensor Array. <i>Advanced Functional Materials</i> , 2021, 31, 2007281.	14.9	9
16	Dynamic Polypyrrole Core@Shell Chemomechanical Actuators. <i>Chemistry of Materials</i> , 2022, 34, 3013-3019.	6.7	7
17	Bottom-Up Synthesized All-Thermal-Catalyst Aerogels for Heat-Regenerative Air Filtration. <i>Nano Letters</i> , 2021, 21, 8160-8165.	9.1	6
18	Reconfigurable Pickering Emulsions with Functionalized Carbon Nanotubes. <i>Langmuir</i> , 2021, 37, 8204-8211.	3.5	5

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19	cis-Selective synthesis of 1,3-disubstituted tetrahydro- $\beta$ -carbolines from N-sulfonyl N,S-acetals. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9510-9513.	2.8	1
20	Sequence-Regulated Synthetic Polymers are Just a Few Clicks Away. <i>Synfacts</i> , 2019, 15, 0034.	0.0	1
21	Tunable Red-Emitting Bismuth-Containing Polymers in the Presence of Oxygen. <i>Synfacts</i> , 2018, 14, 1254.	0.0	0
22	All About That Strain: C=C Bond Activations of Cycloparaphenylenes by a Pt Complex. <i>Synfacts</i> , 2018, 14, 1033.	0.0	0
23	PEGose: A Synthetic Polymer with Stereocontrolled Cyclic Architecture. <i>Synfacts</i> , 2018, 14, 0925.	0.0	0
24	Butterfly in a Flask: Irregular Nanographenes by Highly Regioselective Domino Benzannulation. <i>Synfacts</i> , 2018, 14, 1249.	0.0	0
25	Fluorinated Cycloparaphenylene: The Same and Not the Same. <i>Synfacts</i> , 2018, 14, 1253.	0.0	0
26	No Rotation Allowed: Triply Fused Porphyrin-Nanographene Conjugates. <i>Synfacts</i> , 2018, 14, 1032.	0.0	0
27	A Stable Peri-tetracene Diradicaloid. <i>Synfacts</i> , 2018, 14, 0922.	0.0	0
28	It takes Strained Alkynes to make Polycyclic Aromatic Hydrocarbons. <i>Synfacts</i> , 2019, 15, 0869.	0.0	0
29	Construction of Axial Chirality by Intramolecular Consecutive Dehydro-Diels-Alder Reaction. <i>Synfacts</i> , 2019, 15, 0036.	0.0	0
30	Some Like It Branched: Fluorous Tags for Enhanced Solubility and Biocompatibility. <i>Synfacts</i> , 2019, 15, 0035.	0.0	0
31	A Mechanically Stabilized Helical Chiral Macrocyclic. <i>Synfacts</i> , 2019, 15, 0364.	0.0	0
32	[2+1+2+1] Cycloaddition for Fused Unsymmetric Naphthalenes. <i>Synfacts</i> , 2019, 15, 0616.	0.0	0
33	Cranking out Functionalized Helicenes. <i>Synfacts</i> , 2019, 15, 0877.	0.0	0
34	BN-Embedded PAHs Functionalized in Crossed Directions. <i>Synfacts</i> , 2019, 15, 0744.	0.0	0
35	Chan-Lam-Evans Coupling is Now Available on Carbon Nanotubes. <i>Synfacts</i> , 2019, 2019, 0496.	0.0	0
36	It Takes a Pretty Copper to Cyclize. <i>Synfacts</i> , 2019, 15, 0606.	0.0	0

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37	Efficient Singlet Fission in a Pentacene-Based Nanotube. <i>Synfacts</i> , 2019, 15, 0146.	0.0	0
38	Breaking the Habit: Synthesis of Unsymmetrically Substituted Tetravinylethylenes. <i>Synfacts</i> , 2019, 2019, 0497.	0.0	0
39	Merging C-H Activation and Radical Chemistry to Construct Polysubstituted Carbohelicenes. <i>Synfacts</i> , 2019, 15, 0140.	0.0	0
40	Stitching to Make Substituted Fluorenes. <i>Synfacts</i> , 2019, 15, 0745.	0.0	0
41	A Bit of Alkyne Makes Seven Better than Five. <i>Synfacts</i> , 2019, 15, 0248.	0.0	0
42	A Clickable Hexavalent Basket with a Dual Cavity. <i>Synfacts</i> , 2019, 15, 0249.	0.0	0
43	Mind the Gap: Finite Nanotubes with Periodic Wall Defects. <i>Synfacts</i> , 2019, 15, 0369.	0.0	0
44	Building quantum ion sensors based on solid-state defects in nanodiamond. , 2021, , .		0
45	Sonogashira Coupling Went Mechanochemical. <i>Synfacts</i> , 2022, 18, 0260.	0.0	0
46	Breaking the Symmetry in [1]Benzothieno[3,2-b][1]Benzothiophene (BTBT). <i>Synfacts</i> , 2022, 18, 0259.	0.0	0
47	PAH with a Boron Heart. <i>Synfacts</i> , 2022, 18, 0377.	0.0	0
48	Zigzag Carbon Nanotube Segments from Gold Rings. <i>Synfacts</i> , 2022, 18, 0370.	0.0	0