

Shao-Xiong Luo

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Sonogashira Coupling Went Mechanochemical. <i>Synfacts</i> , 2022, 18, 0260.	0.0	0
2	Breaking the Symmetry in [1]Benzothieno[3,2-b][1]Benzothiophene (BTBT). <i>Synfacts</i> , 2022, 18, 0259.	0.0	0
3	PAH with a Boron Heart. <i>Synfacts</i> , 2022, 18, 0377.	0.0	0
4	Zigzag Carbon Nanotube Segments from Gold Rings. <i>Synfacts</i> , 2022, 18, 0370.	0.0	0
5	Dynamic Polypyrrole Core-Shell Chemomechanical Actuators. <i>Chemistry of Materials</i> , 2022, 34, 3013-3019.	6.7	7
6	Solution-processable microporous polymer platform for heterogenization of diverse photoredox catalysts. <i>Nature Communications</i> , 2022, 13, .	12.8	11
7	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
8	Reconfigurable Pickering Emulsions with Functionalized Carbon Nanotubes. <i>Langmuir</i> , 2021, 37, 8204-8211.	3.5	5
9	Electrocatalytic Isoxazoline-Nanocarbon Metal Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10441-10453.	13.7	18
10	Trace Hydrogen Sulfide Sensing Inspired by Polyoxometalate-Mediated Aerobic Oxidation. <i>ACS Central Science</i> , 2021, 7, 1572-1580.	11.3	14
11	Bottom-Up Synthesized All-Thermal-Catalyst Aerogels for Heat-Regenerative Air Filtration. <i>Nano Letters</i> , 2021, 21, 8160-8165.	9.1	6
12	A chemiresistive methane sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
13	Building quantum ion sensors based on solid-state defects in nanodiamond. , 2021, , .		0
14	Chelating Phosphine Ligand Stabilized AuNPs in Methane Detection. <i>ACS Nano</i> , 2020, 14, 11605-11612.	14.6	16
15	Pentipyrene 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
16	Trace Ethylene Sensing via Wacker Oxidation. <i>ACS Central Science</i> , 2020, 6, 507-512.	11.3	48
17	It takes Strained Alkynes to make Polycyclic Aromatic Hydrocarbons. <i>Synfacts</i> , 2019, 15, 0869.	0.0	0
18	Construction of Axial Chirality by Intramolecular Consecutive Dehydro-Diels-Alder Reaction. <i>Synfacts</i> , 2019, 15, 0036.	0.0	0

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19	Some Like It Branched: Fluorous Tags for Enhanced Solubility and Biocompatibility. <i>Synfacts</i> , 2019, 15, 0035.	0.0	0
20	A Mechanically Stabilized Helical Chiral Macrocyclic. <i>Synfacts</i> , 2019, 15, 0364.	0.0	0
21	[2+1+2+1] Cycloaddition for Fused Unsymmetric Naphthalenes. <i>Synfacts</i> , 2019, 15, 0616.	0.0	0
22	Cranking out Functionalized Helicenes. <i>Synfacts</i> , 2019, 15, 0877.	0.0	0
23	BN-Embedded PAHs Functionalized in Crossed Directions. <i>Synfacts</i> , 2019, 15, 0744.	0.0	0
24	Chan's "Lam's" Evans Coupling is Now Available on Carbon Nanotubes. <i>Synfacts</i> , 2019, 2019, 0496.	0.0	0
25	It Takes a Pretty Copper to Cyclize. <i>Synfacts</i> , 2019, 15, 0606.	0.0	0
26	Efficient Singlet Fission in a Pentacene-Based Nanotube. <i>Synfacts</i> , 2019, 15, 0146.	0.0	0
27	Breaking the Habit: Synthesis of Unsymmetrically Substituted Tetravinylethylenes. <i>Synfacts</i> , 2019, 2019, 0497.	0.0	0
28	Merging C-H Activation and Radical Chemistry to Construct Polysubstituted Carbohelicenes. <i>Synfacts</i> , 2019, 15, 0140.	0.0	0
29	Stitching to Make Substituted Fluorenes. <i>Synfacts</i> , 2019, 15, 0745.	0.0	0
30	A Bit of Alkyne Makes Seven Better than Five. <i>Synfacts</i> , 2019, 15, 0248.	0.0	0
31	A Clickable Hexavalent Basket with a Dual Cavity. <i>Synfacts</i> , 2019, 15, 0249.	0.0	0
32	Mind the Gap: Finite Nanotubes with Periodic Wall Defects. <i>Synfacts</i> , 2019, 15, 0369.	0.0	0
33	cis-Selective synthesis of 1,3-disubstituted tetrahydro- β^2 -carbolines from N-sulfonyl N,S-acetals. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9510-9513.	2.8	1
34	Sequence-Regulated Synthetic Polymers are Just a Few Clicks Away. <i>Synfacts</i> , 2019, 15, 0034.	0.0	1
35	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
36	Tunable Red-Emitting Bismuth-Containing Polymers in the Presence of Oxygen. <i>Synfacts</i> , 2018, 14, 1254.	0.0	0

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37	All About That Strain: C-C Bond Activations of Cycloparaphenylenes by a Pt Complex. <i>Synfacts</i> , 2018, 14, 1033.	0.0	0
38	PEGose: A Synthetic Polymer with Stereocontrolled Cyclic Architecture. <i>Synfacts</i> , 2018, 14, 0925.	0.0	0
39	Butterfly in a Flask: Irregular Nanographenes by Highly Regioselective Domino Benzannulation. <i>Synfacts</i> , 2018, 14, 1249.	0.0	0
40	Fluorinated Cycloparaphenylene: The Same and Not the Same. <i>Synfacts</i> , 2018, 14, 1253.	0.0	0
41	No Rotation Allowed: Triply Fused Porphyrin-Nanographene Conjugates. <i>Synfacts</i> , 2018, 14, 1032.	0.0	0
42	A Stable Peri-tetracene Diradicaloid. <i>Synfacts</i> , 2018, 14, 0922.	0.0	0
43	Effects of Grafting Density on Block Polymer Self-Assembly: From Linear to Bottlebrush. <i>ACS Nano</i> , 2017, 11, 11632-11641.	14.6	87
44	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
45	Z-Selective Cross-Metathesis and Homodimerization of 3-E-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
46	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
47	An S _N Ar Approach to Sterically Hindered ortho-Alkoxybenzaldehydes for the Synthesis of Olefin Metathesis Catalysts. <i>Journal of Organic Chemistry</i> , 2015, 80, 4213-4220.	3.2	27
48	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