

Chengshuo Shen

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,317
citations

430874

18
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501196

28
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31
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31
docs citations

31
times ranked

1479
citing authors

#	ARTICLE	IF	CITATIONS
1	Helicene-based transition metal complexes: synthesis, properties and applications. <i>Chemical Science</i> , 2014, 5, 3680.	7.4	204
2	Straightforward access to mono- and bis-cycloplatinated helicenes displaying circularly polarized phosphorescence by using crystallization resolution methods. <i>Chemical Science</i> , 2014, 5, 1915.	7.4	140
3	Helicene Quinones: Redox-Triggered Chiroptical Switching and Chiral Recognition of the Semiquinone Radical Anion Lithium Salt by Electron Nuclear Double Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 13045-13052.	13.7	119
4	Synthesis and Chiroptical Properties of Hexa-, Octa-, and Deca-azaborahelicenes: Influence of Helicene Size and of the Number of Boron Atoms. <i>Chemistry - A European Journal</i> , 2017, 23, 407-418.	3.3	102
5	From Hetero- to Homochiral Bis(metallahelicene)s Based on a Pt ^{III} -Pt ^{III} Bonded Scaffold: Isomerization, Structure, and Chiroptical Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 3800-3803.	13.7	78
6	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8062-8066.	13.8	71
7	Chiral Organic Cages with a Triple-Stranded Helical Structure Derived from Helicene. <i>Journal of the American Chemical Society</i> , 2018, 140, 2769-2772.	13.7	68
8	Enantiopure versus Racemic Naphthalimide End-Capped Helicenic Non-fullerene Electron Acceptors: Impact on Organic Photovoltaics Performance. <i>Chemistry - A European Journal</i> , 2017, 23, 6277-6281.	3.3	66
9	Multifunctional and Reactive Enantiopure Organometallic Helicenes: Tuning Chiroptical Properties by Structural Variations of Mono- and Bis(platinahelicene)s. <i>Chemistry - A European Journal</i> , 2011, 17, 14178-14198.	3.3	62
10	Oxidative cyclo-rearrangement of helicenes into chiral nanographenes. <i>Nature Communications</i> , 2021, 12, 2786.	12.8	60
11	Amplifiable Symmetry Breaking in Aggregates of Vibrating Helical Molecules. <i>Journal of the American Chemical Society</i> , 2020, 142, 16167-16172.	13.7	44
12	Helicene-derived aggregation-induced emission conjugates with highly tunable circularly polarized luminescence. <i>Materials Chemistry Frontiers</i> , 2020, 4, 837-844.	5.9	37
13	Two-photon absorption and two-photon circular dichroism of hexahelicene derivatives: a study of the effect of the nature of intramolecular charge transfer. <i>RSC Advances</i> , 2015, 5, 17429-17437.	3.6	32
14	Diastereo- and Enantioselective Synthesis of Organometallic Bis(helicene)s by a Combination of C ₁₂ H Activation and Dynamic Isomerization. <i>Chemistry - A European Journal</i> , 2013, 19, 16722-16728.	3.3	28
15	Dual Redox and Optical Control of Chiroptical Activity in Photochromic Dithienylethenes Decorated with Hexahelicene and Bis-Ethynyl-Ruthenium Units. <i>Organometallics</i> , 2018, 37, 697-705.	2.3	26
16	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. <i>Angewandte Chemie</i> , 2016, 128, 8194-8198.	2.0	25
17	Redox-Active Chiroptical Switching in Mono- and Bis-Iron Ethynylcarbo[6]helicenes Studied by Electronic and Vibrational Circular Dichroism and Resonance Raman Optical Activity. <i>Chemistry - A European Journal</i> , 2018, 24, 15067-15079.	3.3	24
18	Chiral Diketopyrrolopyrrole-Helicene Polymer With Efficient Red Circularly Polarized Luminescence. <i>Frontiers in Chemistry</i> , 2020, 8, 237.	3.6	24

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19	Selective Killing of Cancer Cells by Nonplanar Aromatic Hydrocarbon-Induced DNA Damage. <i>Advanced Science</i> , 2019, 6, 1901341.	11.2	18
20	Chiral Transmission to Cationic Polycobaltocenes over Multiple Length Scales Using Anionic Surfactants. <i>Journal of the American Chemical Society</i> , 2018, 140, 7222-7231.	13.7	16
21	Transformation of Crowded Oligoarylene into Perylene-Cored Chiral Nanographene by Sequential Oxidative Cyclization and 1,2-Phenyl Migration. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	16
22	Chiral Recognition of Hexahelicene on a Surface via the Forming of Asymmetric Heterochiral Trimers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2018.	4.1	13
23	Tunable construction of transition metal-coordinated helicene cages. <i>Chinese Chemical Letters</i> , 2021, 32, 3988-3992.	9.0	13
24	Enantioseparation on Riboflavin Derivatives Chemically Bonded to Silica Gel as Chiral Stationary Phases for HPLC. <i>Chirality</i> , 2015, 27, 507-517.	2.6	9
25	Stepwise On-Surface Synthesis of Porous Carbon Nanoribbons with Notched Zigzag Edges. <i>Journal of Physical Chemistry C</i> , 2020, 124, 756-763.	3.1	7
26	Transformation of Crowded Oligoarylene into Perylene-Cored Chiral Nanographene by Sequential Oxidative Cyclization and 1,2-Phenyl Migration. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
27	Multi-Responsive Supramolecular Gels Based on Charge Transfer Interactions. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1678-1682.	3.3	3
28	Helical Conformation Tunability via Hydrogen Bonding in Supramolecular Frameworks. <i>CCS Chemistry</i> , 2022, 4, 1405-1413.	7.8	2
29	Study of Charge-Conjugated Self-Assembly Behavior of Amphiphilic Block Copolypeptides/Helicene. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 2973.	1.3	0