

Sheng Xie

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,325
citations

361413

20
h-index

361022

35
g-index

45
all docs

45
docs citations

45
times ranked

1531
citing authors

#	ARTICLE	IF	CITATIONS
1	AIE luminogens as fluorescent bioprobes. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115769.	11.4	133
2	A Bifunctional Aggregation-Induced Emission Luminogen for Monitoring and Killing of Multidrug-Resistant Bacteria. <i>Advanced Functional Materials</i> , 2018, 28, 1804632.	14.9	105
3	1,3-Dipolar Cycloaddition Reactivities of Perfluorinated Aryl Azides with Enamines and Strained Dipolarophiles. <i>Journal of the American Chemical Society</i> , 2015, 137, 2958-2966.	13.7	91
4	Design and synthesis of theranostic antibiotic nanodrugs that display enhanced antibacterial activity and luminescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8464-8469.	7.1	76
5	Fluorogenic Ag ⁺ -Tetrazolate Aggregation Enables Efficient Fluorescent Biological Silver Staining. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5750-5753.	13.8	75
6	Fluorogenic Detection and Characterization of Proteins by Aggregation-Induced Emission Methods. <i>Chemistry - A European Journal</i> , 2019, 25, 5824-5847.	3.3	66
7	Spiro-Functionalized Diphenylethenes: Suppression of a Reversible Photocyclization Contributes to the Aggregation-Induced Emission Effect. <i>Journal of the American Chemical Society</i> , 2019, 141, 9803-9807.	13.7	65
8	Multiple yet switchable hydrogen-bonded organic frameworks with white-light emission. <i>Nature Communications</i> , 2022, 13, 1882.	12.8	61
9	Synthesis and Characterization of Oxygen-Embedded Quinoidal Pentacene and Nonacene. <i>Journal of the American Chemical Society</i> , 2019, 141, 2169-2176.	13.7	57
10	Base-catalyzed synthesis of aryl amides from aryl azides and aldehydes. <i>Chemical Science</i> , 2016, 7, 713-718.	7.4	54
11	Electrophilic Azides for Materials Synthesis and Chemical Biology. <i>Accounts of Chemical Research</i> , 2020, 53, 937-948.	15.6	48
12	Multistimuli-Responsive Enaminitrile Molecular Switches Displaying H ⁺ -Induced Aggregate Emission, Metal Ion-Induced Turn-On Fluorescence, and Organogelation Properties. <i>Journal of the American Chemical Society</i> , 2018, 140, 13640-13643.	13.7	46
13	Functional Scaffolds from AIE Building Blocks. <i>Matter</i> , 2020, 3, 1862-1892.	10.0	45
14	Specific and Quantitative Detection of Albumin in Biological Fluids by Tetrazolate-Functionalized Water-Soluble AIEgens. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29619-29629.	8.0	44
15	Anilide Formation from Thioacids and Perfluoroaryl Azides. <i>Journal of Organic Chemistry</i> , 2015, 80, 4392-4397.	3.2	29
16	Large Aromatic Hydrocarbon Radical Cation with Global Aromaticity and State-Associated Magnetic Activity. <i>Chemistry of Materials</i> , 2020, 32, 5927-5936.	6.7	29
17	<i>N,N</i> -Diethylurea-Catalyzed Amidation between Electron-Deficient Aryl Azides and Phenylacetaldehydes. <i>Organic Letters</i> , 2015, 17, 636-639.	4.6	28
18	Through-Space C π -Br \cdots I \cdots Halogen Interaction: Efficient Modulation of Reaction-Based Photochromism and Photoluminescence at Crystalline States for Irradiation Time-Dependent Anti-Counterfeiting. <i>Advanced Functional Materials</i> , 2021, 31, 2009024.	14.9	27

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19	Synthesis and Structural Elucidation of Bis(dibenzocorannulene) in Multiple Redox States. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19790-19796.	13.8	25
20	Nonenzyme Cascaded Amplification Biosensor Based on Effective Aggregation Luminescence Caused by Disintegration of Silver Nanoparticles. <i>ACS Sensors</i> , 2020, 5, 1912-1920.	7.8	24
21	Quantitative Fluorine NMR To Determine Carbohydrate Density on Glyconanomaterials Synthesized from Perfluorophenyl Azide-Functionalized Silica Nanoparticles by Click Reaction. <i>Analytical Chemistry</i> , 2015, 87, 9451-9458.	6.5	21
22	Perylene-Based Linear Nonalternant Nanoribbons with Bright Emission and Ambipolar Redox Behavior. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
23	Diagonally π -Extended Perylene-Based Bis(heteroacene) for Chiroptical Activity and Integrating Luminescence with Carrier-Transporting Capability. <i>Organic Letters</i> , 2019, 21, 1417-1421.	4.6	17
24	Impact of Hydrogen Bonding on the Fluorescence of <i>N</i> -Amidinated Fluoroquinolones. <i>Chemistry - an Asian Journal</i> , 2019, 14, 910-916.	3.3	15
25	Dynamic Covalent Chemistry of Aldehyde Enamines: Bi- and Sc-Catalysis of Amine-Enamine Exchange. <i>Chemistry - A European Journal</i> , 2017, 23, 11908-11912.	3.3	14
26	A versatile catalyst-free perfluoroaryl azide-aldehyde-amine conjugation reaction. <i>Materials Chemistry Frontiers</i> , 2019, 3, 251-256.	5.9	14
27	Aggregation-induced emission luminogen: A new perspective in the photo-degradation of organic pollutants. <i>EcoMat</i> , 2020, 2, e12024.	11.9	14
28	Hydrogel-derived luminescent scaffolds for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3524-3548.	5.9	12
29	Spiro-conjugated indenodiarylethenes: enabling steric-induced electronic tuning of photochromic and photoluminescent properties by spiro-conjugation. <i>Science China Chemistry</i> , 2020, 63, 1659-1665.	8.2	11
30	Photoactivatable Fluorogens by Intramolecular C-H Insertion of Perfluoroaryl Azide. <i>Journal of Organic Chemistry</i> , 2019, 84, 14520-14528.	3.2	10
31	Spiro-fused bicyclo[3,2,2] octatriene-cored triptycene: synthesis, molecular packing, and functional aggregates. <i>Science China Chemistry</i> , 2021, 64, 1976-1984.	8.2	10
32	Fluorogenic Ag ⁺ -Tetrazolate Aggregation Enables Efficient Fluorescent Biological Silver Staining. <i>Angewandte Chemie</i> , 2018, 130, 5852-5855.	2.0	8
33	Catalyst-Free Cycloaddition Reaction for the Synthesis of Glyconanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28136-28142.	8.0	7
34	Ring-expansion approach towards extended asymmetric benzopentafulvalenes: overcrowded olefinic structure and chain length-dependent properties. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2247-2254.	4.5	7
35	Facile Access to Functionalized Poly(thioether)s via Anionic Ring-Opening Decarboxylative Polymerization of COS-Sourced β -Alkylidene Cyclic Thiocarbonates. <i>Macromolecules</i> , 2021, 54, 10395-10404.	4.8	5
36	Synthesis and Structural Elucidation of Bis(dibenzocorannulene) in Multiple Redox States. <i>Angewandte Chemie</i> , 2021, 133, 19943-19949.	2.0	4

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37	Facile synthesis, structure and properties of CO ₂ -sourced poly(thioether-co-carbonate)s containing acetyl pendants <i>via</i> thio-ene click polymerization. <i>Polymer Chemistry</i> , 2022, 13, 201-208.	3.9	4
38	Fluorescent Silver Staining of Proteins in Polyacrylamide Gels. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
39	Perylene-Based Linear Nonalternant Nanoribbons with Bright Emission and Ambipolar Redox Behavior. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
40	Frontispiece: Fluorogenic Detection and Characterization of Proteins by Aggregation-Induced Emission Methods. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0