

Yutao Sang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Circularly Polarized Luminescence in Nanoassemblies: Generation, Amplification, and Application. <i>Advanced Materials</i> , 2020, 32, e1900110.	21.0	602
2	Cooperative Chirality and Sequential Energy Transfer in a Supramolecular Light-Harvesting Nanotube. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 844-848.	13.8	199
3	Boosting the circularly polarized luminescence of small organic molecules via multi-dimensional morphology control. <i>Chemical Science</i> , 2019, 10, 6821-6827.	7.4	133
4	Optically Active Upconverting Nanoparticles with Induced Circularly Polarized Luminescence and Enantioselectively Triggered Photopolymerization. <i>ACS Nano</i> , 2019, 13, 2804-2811.	14.6	114
5	Supramolecular gelatons: towards the design of molecular gels. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2885-2900.	4.5	103
6	Control over the emerging chirality in supramolecular gels and solutions by chiral microvortices in milliseconds. <i>Nature Communications</i> , 2018, 9, 2599.	12.8	92
7	Structural Regulation of PdCu ₂ Nanoparticles and Their Electrocatalytic Performance for Ethanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34497-34505.	8.0	88
8	Asymmetric catalysis mediated by a mirror symmetry-broken helical nanoribbon. <i>Nature Communications</i> , 2019, 10, 3976.	12.8	80
9	Hierarchical self-assembly into chiral nanostructures. <i>Chemical Science</i> , 2022, 13, 633-656.	7.4	63
10	Towards homochiral supramolecular entities from achiral molecules by vortex mixing-accompanied self-assembly. <i>Chemical Science</i> , 2019, 10, 2718-2724.	7.4	60
11	Nanoarchitectonics through supramolecular gelation: formation and switching of diverse nanostructures. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 11-28.	3.4	45
12	Circularly polarized luminescence of achiral open-shell $\dot{\text{C}}$ -radicals. <i>Chemical Communications</i> , 2019, 55, 6583-6586.	4.1	45
13	Steering Nanohelix and Upconverted Circularly Polarized Luminescence by Using Completely Achiral Components. <i>ACS Nano</i> , 2021, 15, 2753-2761.	14.6	44
14	Nanotrumpets and circularly polarized luminescent nanotwists hierarchically self-assembled from an achiral C ₃ -symmetric ester. <i>Chemical Communications</i> , 2018, 54, 4025-4028.	4.1	34
15	Insights into the electrocatalysis of nitrobenzene using chemically-modified carbon nanotube electrodes. <i>Scientific Reports</i> , 2014, 4, 6321.	3.3	32
16	Cooperative Chirality and Sequential Energy Transfer in a Supramolecular Light-Harvesting Nanotube. <i>Angewandte Chemie</i> , 2019, 131, 854-858.	2.0	32
17	Electrochemical reaction of nitrobenzene and its derivatives on glassy carbon electrode modified with MnFe ₂ O ₄ colloid nanocrystal assemblies. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 46-52.	7.8	30
18	Steering Triplet-Triplet Annihilation Upconversion through Enantioselective Self-Assembly in a Supramolecular Gel. <i>Journal of the American Chemical Society</i> , 2021, 143, 13259-13265.	13.7	27

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19	Temperature Dependence of Charge and Spin Transfer in Azurin. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9875-9883.	3.1	26
20	Experimental and theoretical studies on the effect of functional groups on carbon nanotubes to its oxygen reduction reaction activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 476-484.	4.7	25
21	Mechanically Controlled and Consecutively Boosted Circularly Polarized Luminescence of Nanoassemblies from Achiral Molecules. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17274-17281.	3.1	25
22	Symmetry Breaking in Self-Assembled Nanoassemblies. <i>Symmetry</i> , 2019, 11, 950.	2.2	23
23	Capacitive behavior of chestnut shell-based porous carbon electrode in ionic liquid electrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 508, 173-177.	4.7	21
24	Chirality enhances oxygen reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	20
25	The chiral amine triggered self-assembly of achiral emissive molecules into circularly polarized luminescent supramolecular assemblies. <i>Chemical Communications</i> , 2019, 55, 11135-11138.	4.1	14
26	Simultaneous High-Purity Enantiomeric Resolution of Conglomerates Using Magnetic Substrates. <i>Crystal Growth and Design</i> , 2021, 21, 2925-2931.	3.0	12
27	Assembly of colloidal cuprous oxide nanocrystals and study of its magnetic and electrocatalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 295-303.	4.7	6
28	Synthesis of Palladium Colloidal Nanoparticle Aggregates and Their Electrocatalysis of Ethanol in Alkaline Media. <i>Science of Advanced Materials</i> , 2016, 8, 1345-1353.	0.7	6