

# Dengke Shen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

2,954  
citations

23  
h-index

47  
g-index

47  
ext. papers

3,481  
ext. citations

14.6  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
43	Electron-catalysed molecular recognition.. <i>Nature</i> , <b>2022</b> , 603, 265-270	50.4	7
42	Selective Photodimerization in a Cyclodextrin Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9129-9139	16.4	9
41	Radical Cyclic [3]Daisy Chains. <i>CheM</i> , <b>2021</b> , 7, 174-189	16.2	10
40	Ultrahigh Adsorption Capacity and Kinetics of Vertically Oriented Mesoporous Coatings for Removal of Organic Pollutants. <i>Small</i> , <b>2021</b> , 17, e2101363	11	2
39	Radically Enhanced Dual Recognition. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25454-25462	16.4	4
38	Molecular-Pump-Enabled Synthesis of a Daisy Chain Polymer. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10308-10313	16.4	11
37	A precise polyrotaxane synthesizer. <i>Science</i> , <b>2020</b> , 368, 1247-1253	33.3	72
36	Highly Stable Organic Biscaradicals Protected by Mechanical Bonds. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7190-7197	16.4	10
35	Mixed-flow design for microfluidic printing of two-component polymer semiconductor systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 17551-17557	11.5	12
34	High-Efficiency Gold Recovery Using Cucurbit[6]uril. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38768-38777	9.5	18
33	TetrazineBox: A Structurally Transformative Toolbox. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5419-5428	16.4	14
32	Organic Counteranion Co-assembly Strategy for the Formation of Cyclodextrin-Containing Hybrid Frameworks. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2042-2050	16.4	15
31	Tuning radical interactions in triscaradical tricationic complexes by varying host-cavity sizes. <i>Chemical Science</i> , <b>2020</b> , 11, 107-112	9.4	9
30	Suit[3]ane. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20152-20160	16.4	8
29	Artificial Molecular Pump Operating in Response to Electricity and Light. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 14443-14449	16.4	28
28	Ring-in-Ring(s) Complexes Exhibiting Tunable Multicolor Photoluminescence. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16849-16860	16.4	20
27	Stabilizing the Naphthalenediimide Radical within a Tetracationic Cyclophane. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 16915-16922	16.4	15

26	A Hierarchical Nanoporous Diamondoid Superstructure. <i>Chem</i> , <b>2019</b> , 5, 2353-2364	16.2	12
25	A Molecular Dual Pump. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17472-17476	16.4	32
24	A Dynamic Tetracationic Macrocyclic Exhibiting Photoswitchable Molecular Encapsulation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 1280-1289	16.4	44
23	Hierarchically Engineered Mesoporous Metal-Organic Frameworks toward Cell-free Immobilized Enzyme Systems. <i>Chem</i> , <b>2018</b> , 4, 1022-1034	16.2	187
22	Epitaxial Growth of $\beta$ -Cyclodextrin-Containing Metal-Organic Frameworks Based on a Host-Guest Strategy. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11402-11407	16.4	27
21	Molecular Russian dolls. <i>Nature Communications</i> , <b>2018</b> , 9, 5275	17.4	40
20	Selective Extraction of C by a Tetragonal Prismatic Porphyrin Cage. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13835-13842	16.4	64
19	Mixed-Valence Superstructure Assembled from a Mixed-Valence Host-Guest Complex. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 9387-9391	16.4	12
18	Mesoporous Silica Thin Membranes with Large Vertical Mesochannels for Nanosize-Based Separation. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702274	24	65
17	Germanium Nanograin Decoration on Carbon Shell: Boosting Lithium-Storage Properties of Silicon Nanoparticles. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7800-7806	15.6	59
16	Nanoparticles: Germanium Nanograin Decoration on Carbon Shell: Boosting Lithium-Storage Properties of Silicon Nanoparticles (Adv. Funct. Mater. 43/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7799-7799	15.6	
15	Carbon functionalized mesoporous silica-based gas sensors for indoor volatile organic compounds. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 477, 54-63	9.3	20
14	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17450-9	9.5	92
13	Synthesis of Mesoporous Silica/Reduced Graphene Oxide Sandwich-Like Sheets with Enlarged and Tunneling Mesochannels. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5577-5586	9.6	36
12	Rare Earth core/shell nanobarcodes for multiplexed trace biodetection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 5745-52	7.8	13
11	Graphitic Carbon Conformal Coating of Mesoporous TiO <sub>2</sub> Hollow Spheres for High-Performance Lithium Ion Battery Anodes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13161-6	16.4	459
10	Mesoporous TiO <sub>2</sub> Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. <i>ACS Central Science</i> , <b>2015</b> , 1, 400-8	16.8	63
9	Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. <i>Nano Research</i> , <b>2015</b> , 8, 2503-2514	10	70

8	Template-free synthesis of uniform magnetic mesoporous TiO <sub>2</sub> nanospindles for highly selective enrichment of phosphopeptides. <i>Materials Horizons</i> , <b>2014</b> , 1, 439	14.4	47
7	Yolk-Shell Structured Mesoporous Nanoparticles with Thioether-Bridged Organosilica Frameworks. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 5980-5987	9.6	82
6	Biphase stratification approach to three-dimensional dendritic biodegradable mesoporous silica nanospheres. <i>Nano Letters</i> , <b>2014</b> , 14, 923-32	11.5	503
5	Controllable fabrication of dendritic mesoporous silica-carbon nanospheres for anthracene removal. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11045	13	29
4	Ordered Macro-/Mesoporous Anatase Films with High Thermal Stability and Crystallinity for Photoelectrocatalytic Water-Splitting. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301725	21.8	42
3	Spatially Confined Fabrication of Core-Shell Gold [email protected] Silica for Near-Infrared Controlled Photothermal Drug Release. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3030-3037	9.6	276
2	Nd <sup>3+</sup> sensitized up/down converting dual-mode nanomaterials for efficient in-vitro and in-vivo bioimaging excited at 800 nm. <i>Scientific Reports</i> , <b>2013</b> , 3, 3536	4.9	171
1	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 106-112	9.6	240