

Kang Cai

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,611
citations

279798

23
h-index

315739

38
g-index

43
all docs

43
docs citations

43
times ranked

2004
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-catalysed molecular recognition. <i>Nature</i> , 2022, 603, 265-270.	27.8	51
2	Polysilicon Microchips Functionalized with Bipyridinium-Based Cyclophanes for a Highly Efficient Cytotoxicity in Cancerous Cells. <i>ACS Nano</i> , 2022, 16, 5358-5375.	14.6	1
3	Radical Cyclic [3]Daisy Chains. <i>CheM</i> , 2021, 7, 174-189.	11.7	26
4	A Donor-Acceptor [2]Catenane for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 8000-8010.	13.7	47
5	Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2021, 143, 8476-8487.	13.7	25
6	Selective Photodimerization in a Cyclodextrin Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 9129-9139.	13.7	34
7	Radical-pairing-induced molecular assembly and motion. <i>Nature Reviews Chemistry</i> , 2021, 5, 447-465.	30.2	55
8	A contorted nanographene shelter. <i>Nature Communications</i> , 2021, 12, 5191.	12.8	12
9	Radically Enhanced Dual Recognition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25454-25462.	13.8	10
10	Innen-Äußertitelbild: Radically Enhanced Dual Recognition (<i>Angew. Chem.</i> 48/2021). <i>Angewandte Chemie</i> , 2021, 133, 25787-25787.	2.0	0
11	Tuning radical interactions in triradical tricationic complexes by varying host-cavity sizes. <i>Chemical Science</i> , 2020, 11, 107-112.	7.4	14
12	Suit[3]ane. <i>Journal of the American Chemical Society</i> , 2020, 142, 20152-20160.	13.7	20
13	Ring-in-Ring(s) Complexes Exhibiting Tunable Multicolor Photoluminescence. <i>Journal of the American Chemical Society</i> , 2020, 142, 16849-16860.	13.7	52
14	Two-photon excited deep-red and near-infrared emissive organic co-crystals. <i>Nature Communications</i> , 2020, 11, 4633.	12.8	82
15	Toward Möbius and Tubular Cyclopolyarene Nanorings via Arylbutadiyne Macrocycles. <i>Angewandte Chemie</i> , 2020, 132, 14964-14970.	2.0	7
16	Toward Möbius and Tubular Cyclopolyarene Nanorings via Arylbutadiyne Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14854-14860.	13.8	17
17	Molecular-Pump-Enabled Synthesis of a Daisy Chain Polymer. <i>Journal of the American Chemical Society</i> , 2020, 142, 10308-10313.	13.7	24
18	A precise polyrotaxane synthesizer. <i>Science</i> , 2020, 368, 1247-1253.	12.6	148

#	ARTICLE	IF	CITATIONS
19	Highly Stable Organic Biscaradicals Protected by Mechanical Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 7190-7197.	13.7	17
20	Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. <i>Matter</i> , 2020, 2, 378-389.	10.0	43
21	High-Efficiency Gold Recovery Using Cucurbit[6]uril. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38768-38777.	8.0	41
22	Organic Counteranion Co-assembly Strategy for the Formation of β -Cyclodextrin-Containing Hybrid Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 2042-2050.	13.7	26
23	Snapshots of Life's Early Career Materials Scientists Managing in the Midst of a Pandemic. <i>Chemistry of Materials</i> , 2020, 32, 3673-3677.	6.7	5
24	A Molecular Dual Pump. <i>Journal of the American Chemical Society</i> , 2019, 141, 17472-17476.	13.7	53
25	Stabilizing the Naphthalenediimide Radical within a Tetracationic Cyclophane. <i>Journal of the American Chemical Society</i> , 2019, 141, 16915-16922.	13.7	30
26	Stepwise on-surface dissymmetric reaction to construct binodal organometallic network. <i>Nature Communications</i> , 2019, 10, 2545.	12.8	26
27	Guest recognition enhanced by lateral interactions. <i>Chemical Science</i> , 2019, 10, 5114-5123.	7.4	16
28	A Dynamic Tetracationic Macrocyclic Exhibiting Photoswitchable Molecular Encapsulation. <i>Journal of the American Chemical Society</i> , 2019, 141, 1280-1289.	13.7	66
29	Concurrent Cooperative J-Aggregates and Anticooperative H-Aggregates. <i>Journal of the American Chemical Society</i> , 2018, 140, 5764-5773.	13.7	113
30	Molecular Russian dolls. <i>Nature Communications</i> , 2018, 9, 5275.	12.8	61
31	Selective Extraction of C_{70} by a Tetragonal Prismatic Porphyrin Cage. <i>Journal of the American Chemical Society</i> , 2018, 140, 13835-13842.	13.7	105
32	Epitaxial Growth of β -Cyclodextrin-Containing Metal-Organic Frameworks Based on a Host-Guest Strategy. <i>Journal of the American Chemical Society</i> , 2018, 140, 11402-11407.	13.7	44
33	Supramolecular aggregates with distinct optical properties from PDI oligomers of similar structures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1905-1910.	2.8	23
34	Syntheses of polycyclic aromatic diimides via intramolecular cyclization of maleic acid derivatives. <i>New Journal of Chemistry</i> , 2016, 40, 113-121.	2.8	20
35	A NIR dye with high-performance n-type semiconducting properties. <i>Chemical Science</i> , 2016, 7, 499-504.	7.4	48
36	NIR J-Aggregates of Hydroazaheptacene Tetraimides. <i>Journal of the American Chemical Society</i> , 2014, 136, 28-31.	13.7	109

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37	Chemical designs of functional photoactive molecular assemblies. <i>Chemical Society Reviews</i> , 2014, 43, 4199-4221.	38.1	55
38	Heterohexacene Diimides: <i>Anti-</i> and <i>Syn-</i> Isomers and Quinonoid Forms. <i>Organic Letters</i> , 2014, 16, 1852-1855.	4.6	24
39	Large hydroazaacene diimides: synthesis, tautomerism, halochromism, and redox-switchable NIR optics. <i>Chemical Science</i> , 2012, 3, 3175.	7.4	56
40	Radically Enhanced Dual Recognition. <i>Angewandte Chemie</i> , 0, , .	2.0	4