Hongliang Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

		279798	265206
44	2,344	23	42
papers	citations	h-index	g-index

50	50	50	2976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperatureâ€Triggered Supramolecular Assembly of Organic Semiconductors. Advanced Materials, 2022, 34, e2101487.	21.0	8
2	Syntheses of three-dimensional catenanes under kinetic control. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118573119.	7.1	12
3	Electron-catalysed molecular recognition. Nature, 2022, 603, 265-270.	27.8	51
4	A Roadmap for Mechanically Interlocked Molecular Junctions at Nanoscale. ACS Applied Nano Materials, 2022, 5, 13874-13886.	5.0	9
5	Radical Cyclic [3]Daisy Chains. CheM, 2021, 7, 174-189.	11.7	26
6	Single-Molecule Charge Transport through Positively Charged Electrostatic Anchors. Journal of the American Chemical Society, 2021, 143, 2886-2895.	13.7	43
7	From molecular to supramolecular electronics. Nature Reviews Materials, 2021, 6, 804-828.	48.7	169
8	A Donorâ€“Acceptor [2]Catenane for Visible Light Photocatalysis. Journal of the American Chemical Society, 2021, 143, 8000-8010.	13.7	47
9	Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. Journal of the American Chemical Society, 2021, 143, 8476-8487.	13.7	25
10	Selective Photodimerization in a Cyclodextrin Metalâ€“Organic Framework. Journal of the American Chemical Society, 2021, 143, 9129-9139.	13.7	34
11	Promotion and suppression of single-molecule conductance by quantum interference in macrocyclic circuits. Matter, 2021, , .	10.0	12
12	Radically Enhanced Dual Recognition. Angewandte Chemie - International Edition, 2021, 60, 25454-25462.	13.8	10
13	InnenrÃ¼cktitelbild: Radically Enhanced Dual Recognition (Angew. Chem. 48/2021). Angewandte Chemie, 2021, 133, 25787-25787.	2.0	0
14	Preparation of highly oriented single crystal arrays of C8-BTBT by epitaxial growth on oriented isotactic polypropylene. Journal of Materials Chemistry C, 2020, 8, 2155-2159.	5.5	11
15	Tuning radical interactions in trisradical tricationic complexes by varying host-cavity sizes. Chemical Science, 2020, 11, 107-112.	7.4	14
16	Two-photon excited deep-red and near-infrared emissive organic co-crystals. Nature Communications, 2020, 11, 4633.	12.8	82
17	Molecular-Pump-Enabled Synthesis of a Daisy Chain Polymer. Journal of the American Chemical Society, 2020, 142, 10308-10313.	13.7	24
18	A precise polyrotaxane synthesizer. Science, 2020, 368, 1247-1253.	12.6	148

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19	Highly Stable Organic Bisradicals Protected by Mechanical Bonds. Journal of the American Chemical Society, 2020, 142, 7190-7197.	13.7	17
20	Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. Matter, 2020, 2, 378-389.	10.0	43
21	Interface Engineering in Organic Field-Effect Transistors: Principles, Applications, and Perspectives. Chemical Reviews, 2020, 120, 2879-2949.	47.7	213
22	Organic Counteranion Co-assembly Strategy for the Formation of Î³-Cyclodextrin-Containing Hybrid Frameworks. Journal of the American Chemical Society, 2020, 142, 2042-2050.	13.7	26
23	Active Self-Assembled Monolayer Sensors for Trace Explosive Detection. Langmuir, 2020, 36, 1462-1466.	3.5	18
24	Multistep nucleation and growth mechanisms of organic crystals from amorphous solid states. Nature Communications, 2019, 10, 3872.	12.8	57
25	Precise Control of Interfacial Charge Transport for Building Functional Optoelectronic Devices. Advanced Materials Technologies, 2019, 4, 1800358.	5.8	1
26	Field Effect Transistors Based on In Situ Fabricated Graphene Scaffoldâ€“ZrO₂ Nanofilms. Advanced Electronic Materials, 2018, 4, 1700424.	5.1	4
27	Epitaxial Growth of Î³-Cyclodextrin-Containing Metalâ€“Organic Frameworks Based on a Hostâ€“Guest Strategy. Journal of the American Chemical Society, 2018, 140, 11402-11407.	13.7	44
28	High-Efficiency Selective Electron Tunnelling in a Heterostructure Photovoltaic Diode. Nano Letters, 2016, 16, 3600-3606.	9.1	14
29	Photocontrol of charge injection/extraction at electrode/semiconductor interfaces for high-photoresponsivity organic transistors. Journal of Materials Chemistry C, 2016, 4, 5289-5296.	5.5	29
30	Interface-modulated approach toward multilevel metal oxide nanotubes for lithium-ion batteries and oxygen reduction reaction. Nano Research, 2016, 9, 2445-2457.	10.4	40
31	Covalently bonded single-molecule junctions with stable and reversible photoswitched conductivity. Science, 2016, 352, 1443-1445.	12.6	697
32	Design of a Photoactive Hybrid Bilayer Dielectric for Flexible Nonvolatile Organic Memory Transistors. ACS Nano, 2016, 10, 436-445.	14.6	91
33	Organic Fieldâ€Effect Transistors: Solutionâ€Processable, Lowâ€Voltage, and Highâ€Performance Monolayer Fieldâ€Effect Transistors with Aqueous Stability and High Sensitivity (Adv. Mater. 12/2015). Advanced Materials, 2015, 27, 2124-2124.	21.0	0
34	Synergistic Photomodulation of Capacitive Coupling and Charge Separation Toward Functional Organic Fieldâ€Effect Transistors with High Responsivity. Advanced Electronic Materials, 2015, 1, 1500159.	5.1	28
35	2D Hybrid Nanostructured Dirac Materials for Broadband Transparent Electrodes. Advanced Materials, 2015, 27, 4315-4321.	21.0	8
36	Solutionâ€Processable, Lowâ€Voltage, and Highâ€Performance Monolayer Fieldâ€Effect Transistors with Aqueous Stability and High Sensitivity. Advanced Materials, 2015, 27, 2113-2120.	21.0	97

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37	Interfaceâ€Engineered Bistable [2]Rotaxaneâ€Graphene Hybrids with Logic Capabilities. Advanced Materials, 2013, 25, 6752-6759.	21.0	53
38	Unique Role of Selfâ€Assembled Monolayers in Carbon Nanomaterialâ€Based Fieldâ€Effect Transistors. Small, 2013, 9, 1144-1159.	10.0	40
39	Fieldâ€Effect Transistors: Unique Role of Selfâ€Assembled Monolayers in Carbon Nanomaterialâ€Based Fieldâ€Effect Transistors (Small 8/2013). Small, 2013, 9, 1122-1122.	10.0	1
40	Organic Semiconductors: Solutionâ€Crystallized Organic Semiconductors with High Carrier Mobility and Air Stability (Adv. Mater. 41/2012). Advanced Materials, 2012, 24, 5518-5518.	21.0	1
41	Solutionâ€Crystallized Organic Semiconductors with High Carrier Mobility and Air Stability. Advanced Materials, 2012, 24, 5576-5580.	21.0	33
42	Highly enantioselective Friedelâ€“Crafts reaction of indoles with N-sulfonyl aldimines catalyzed by heteroarylidene malonate-type bis(oxazoline) copper(II) complexes. Tetrahedron: Asymmetry, 2011, 22, 1874-1878.	1.8	33
43	Malonate-type bis(oxazoline) ligands with sp2 hybridized bridge carbon: synthesis and application in Friedelâ€“Crafts alkylation and allylic alkylation. Tetrahedron, 2011, 67, 9602-9608.	1.9	24
44	Radically Enhanced Dual Recognition. Angewandte Chemie, 0, , .	2.0	4