

Hongliang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,344
citations

279778
23
h-index

265191
42
g-index

50
all docs

50
docs citations

50
times ranked

2976
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalently bonded single-molecule junctions with stable and reversible photoswitched conductivity. <i>Science</i> , 2016, 352, 1443-1445.	12.6	697
2	Interface Engineering in Organic Field-Effect Transistors: Principles, Applications, and Perspectives. <i>Chemical Reviews</i> , 2020, 120, 2879-2949.	47.7	213
3	From molecular to supramolecular electronics. <i>Nature Reviews Materials</i> , 2021, 6, 804-828.	48.7	169
4	A precise polyrotaxane synthesizer. <i>Science</i> , 2020, 368, 1247-1253.	12.6	148
5	Solution-Processable, Low-Voltage, and High-Performance Monolayer Field-Effect Transistors with Aqueous Stability and High Sensitivity. <i>Advanced Materials</i> , 2015, 27, 2113-2120.	21.0	97
6	Design of a Photoactive Hybrid Bilayer Dielectric for Flexible Nonvolatile Organic Memory Transistors. <i>ACS Nano</i> , 2016, 10, 436-445.	14.6	91
7	Two-photon excited deep-red and near-infrared emissive organic co-crystals. <i>Nature Communications</i> , 2020, 11, 4633.	12.8	82
8	Multistep nucleation and growth mechanisms of organic crystals from amorphous solid states. <i>Nature Communications</i> , 2019, 10, 3872.	12.8	57
9	Interface-Engineered Bistable [2]Rotaxane-Graphene Hybrids with Logic Capabilities. <i>Advanced Materials</i> , 2013, 25, 6752-6759.	21.0	53
10	Electron-catalysed molecular recognition. <i>Nature</i> , 2022, 603, 265-270.	27.8	51
11	A Donor-Acceptor [2]Catenane for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 8000-8010.	13.7	47
12	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
13	Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. <i>Matter</i> , 2020, 2, 378-389.	10.0	43
14	Single-Molecule Charge Transport through Positively Charged Electrostatic Anchors. <i>Journal of the American Chemical Society</i> , 2021, 143, 2886-2895.	13.7	43
15	Unique Role of Self-Assembled Monolayers in Carbon Nanomaterial-Based Field-Effect Transistors. <i>Small</i> , 2013, 9, 1144-1159.	10.0	40
16	Interface-modulated approach toward multilevel metal oxide nanotubes for lithium-ion batteries and oxygen reduction reaction. <i>Nano Research</i> , 2016, 9, 2445-2457.	10.4	40
17	Selective Photodimerization in a Cyclodextrin Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 9129-9139.	13.7	34
18	Highly enantioselective Friedel-Crafts reaction of indoles with N-sulfonyl aldimines catalyzed by heteroaryliden malonate-type bis(oxazoline) copper(II) complexes. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1874-1878.	1.8	33

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19	Solution-grown Crystallized Organic Semiconductors with High Carrier Mobility and Air Stability. <i>Advanced Materials</i> , 2012, 24, 5576-5580.	21.0	33
20	Photocontrol of charge injection/extraction at electrode/semiconductor interfaces for high-photoresponsivity organic transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5289-5296.	5.5	29
21	Synergistic Photomodulation of Capacitive Coupling and Charge Separation Toward Functional Organic Field-effect Transistors with High Responsivity. <i>Advanced Electronic Materials</i> , 2015, 1, 1500159.	5.1	28
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	Radical Cyclic [3]Daisy Chains. <i>Chem</i> , 2021, 7, 174-189.	11.7	26
24	Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2021, 143, 8476-8487.	13.7	25
25	Malonate-type bis(oxazoline) ligands with sp ² hybridized bridge carbon: synthesis and application in Friedel-Crafts alkylation and allylic alkylation. <i>Tetrahedron</i> , 2011, 67, 9602-9608.	1.9	24
26	Molecular-Pump-Enabled Synthesis of a Daisy Chain Polymer. <i>Journal of the American Chemical Society</i> , 2020, 142, 10308-10313.	13.7	24
27	Active Self-Assembled Monolayer Sensors for Trace Explosive Detection. <i>Langmuir</i> , 2020, 36, 1462-1466.	3.5	18
28	Highly Stable Organic Biscaradicals Protected by Mechanical Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 7190-7197.	13.7	17
29	High-Efficiency Selective Electron Tunnelling in a Heterostructure Photovoltaic Diode. <i>Nano Letters</i> , 2016, 16, 3600-3606.	9.1	14
30	Tuning radical interactions in triradical tricationic complexes by varying host-cavity sizes. <i>Chemical Science</i> , 2020, 11, 107-112.	7.4	14
31	Promotion and suppression of single-molecule conductance by quantum interference in macrocyclic circuits. <i>Matter</i> , 2021, , .	10.0	12
32	Syntheses of three-dimensional catenanes under kinetic control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118573119.	7.1	12
33	Preparation of highly oriented single crystal arrays of C8-BTBT by epitaxial growth on oriented isotactic polypropylene. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2155-2159.	5.5	11
34	Radically Enhanced Dual Recognition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25454-25462.	13.8	10
35	A Roadmap for Mechanically Interlocked Molecular Junctions at Nanoscale. <i>ACS Applied Nano Materials</i> , 2022, 5, 13874-13886.	5.0	9
36	2D Hybrid Nanostructured Dirac Materials for Broadband Transparent Electrodes. <i>Advanced Materials</i> , 2015, 27, 4315-4321.	21.0	8

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37	Temperature-Triggered Supramolecular Assembly of Organic Semiconductors. <i>Advanced Materials</i> , 2022, 34, e2101487.	21.0	8
38	Field Effect Transistors Based on In Situ Fabricated Graphene Scaffold-ZrO ₂ Nanofilms. <i>Advanced Electronic Materials</i> , 2018, 4, 1700424.	5.1	4
39	Radically Enhanced Dual Recognition. <i>Angewandte Chemie</i> , 0, , .	2.0	4
40	Organic Semiconductors: Solution-Crystallized Organic Semiconductors with High Carrier Mobility and Air Stability (<i>Adv. Mater.</i> 41/2012). <i>Advanced Materials</i> , 2012, 24, 5518-5518.	21.0	1
41	Field-Effect Transistors: Unique Role of Self-Assembled Monolayers in Carbon Nanomaterial-Based Field-Effect Transistors (<i>Small</i> 8/2013). <i>Small</i> , 2013, 9, 1122-1122.	10.0	1
42	Precise Control of Interfacial Charge Transport for Building Functional Optoelectronic Devices. <i>Advanced Materials Technologies</i> , 2019, 4, 1800358.	5.8	1
43	Organic Field-Effect Transistors: Solution-Processable, Low-Voltage, and High-Performance Monolayer Field-Effect Transistors with Aqueous Stability and High Sensitivity (<i>Adv. Mater.</i> 12/2015). <i>Advanced Materials</i> , 2015, 27, 2124-2124.	21.0	0
44	InnenrÄ¼cktitelbild: Radically Enhanced Dual Recognition (<i>Angew. Chem.</i> 48/2021). <i>Angewandte Chemie</i> , 2021, 133, 25787-25787.	2.0	0