Yulan Chen

List of Publications by Year
in descending order

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283	18,930	13854 67	13758 129
papers	citations	h-index	g-index

300	300	300	19573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Threeâ€Dimensional Nitrogen and Boron Coâ€doped Graphene for Highâ€Performance Allâ€Solidâ€State Supercapacitors. Advanced Materials, 2012, 24, 5130-5135.	11.1	1,270
2	Toughening Elastomers with Sacrificial Bonds and Watching Them Break. Science, 2014, 344, 186-189.	6.0	842
3	From Nanographene and Graphene Nanoribbons to Graphene Sheets: Chemical Synthesis. Angewandte Chemie - International Edition, 2012, 51, 7640-7654.	7.2	725
4	Mechanically induced chemiluminescence from polymers incorporating a 1,2-dioxetane unit in the main chain. Nature Chemistry, 2012, 4, 559-562.	6.6	567
5	Light-Harvesting Conjugated Microporous Polymers: Rapid and Highly Efficient Flow of Light Energy with a Porous Polyphenylene Framework as Antenna. Journal of the American Chemical Society, 2010, 132, 6742-6748.	6.6	549
6	Conjugated organic framework with three-dimensionally ordered stable structure and delocalized Ï€ clouds. Nature Communications, 2013, 4, 2736.	5.8	528
7	CMPs as Scaffolds for Constructing Porous Catalytic Frameworks: A Built-in Heterogeneous Catalyst with High Activity and Selectivity Based on Nanoporous Metalloporphyrin Polymers. Journal of the American Chemical Society, 2010, 132, 9138-9143.	6.6	506
8	Highâ€Performance Electrocatalysts for Oxygen Reduction Derived from Cobalt Porphyrinâ€Based Conjugated Mesoporous Polymers. Advanced Materials, 2014, 26, 1450-1455.	11.1	425
9	New synthetic strategies toward covalent organic frameworks. Chemical Society Reviews, 2020, 49, 2852-2868.	18.7	394
10	Photoelectric Covalent Organic Frameworks: Converting Open Lattices into Ordered Donorâ€“Acceptor Heterojunctions. Journal of the American Chemical Society, 2014, 136, 9806-9809.	6.6	356
11	Separating hydrogen and oxygen evolution in alkaline water electrolysis using nickel hydroxide. Nature Communications, 2016, 7, 11741.	5.8	332
12	An n-Channel Two-Dimensional Covalent Organic Framework. Journal of the American Chemical Society, 2011, 133, 14510-14513.	6.6	330
13	Light-Emitting Conjugated Polymers with Microporous Network Architecture: Interweaving Scaffold Promotes Electronic Conjugation, Facilitates Exciton Migration, and Improves Luminescence. Journal of the American Chemical Society, 2011, 133, 17622-17625.	6.6	297
14	Modulating Benzothiadiazoleâ€Based Covalent Organic Frameworks via Halogenation for Enhanced Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 16902-16909.	7.2	293
15	Environmentally-friendly aqueous Li (or Na)-ion battery with fast electrode kinetics and super-long life. Science Advances, 2016, 2, e1501038.	4.7	282
16	On-Surface Synthesis of Rylene-Type Graphene Nanoribbons. Journal of the American Chemical Society, 2015, 137, 4022-4025.	6.6	278
17	An Ambipolar Conducting Covalent Organic Framework with Selfâ€Sorted and Periodic Electron Donorâ€Acceptor Ordering. Advanced Materials, 2012, 24, 3026-3031.	11.1	258
18	Porous organic polymers: a promising platform for efficient photocatalysis. Materials Chemistry Frontiers, 2020, 4, 332-353.	3.2	256

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19	Superb Alkaline Hydrogen Evolution and Simultaneous Electricity Generation by Ptâ€Decorated Ni₃N Nanosheets. Advanced Energy Materials, 2017, 7, 1601390.	10.2	225
20	Highâ€Lithiumâ€Affinity Chemically Exfoliated 2D Covalent Organic Frameworks. Advanced Materials, 2019, 31, e1901640.	11.1	217
21	Porphyrin-based two-dimensional covalent organic frameworks: synchronized synthetic control of macroscopic structures and pore parameters. Chemical Communications, 2011, 47, 1979.	2.2	215
22	Creation of Superheterojunction Polymers via Direct Polycondensation: Segregated and Bicontinuous Donorâ€“Acceptor Ï€-Columnar Arrays in Covalent Organic Frameworks for Long-Lived Charge Separation. Journal of the American Chemical Society, 2015, 137, 7817-7827.	6.6	213
23	2D Conductive Metalâ€“Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. Angewandte Chemie - International Edition, 2021, 60, 5612-5624.	7.2	198
24	A Redoxâ€Active 2D Metalâ€“Organic Framework for Efficient Lithium Storage with Extraordinary High Capacity. Angewandte Chemie - International Edition, 2020, 59, 5273-5277.	7.2	189
25	Benzothiadiazole functionalized Dâ€“A type covalent organic frameworks for effective photocatalytic reduction of aqueous chromium(<scp>vi</scp>). Journal of Materials Chemistry A, 2019, 7, 998-1004.	5.2	176
26	2D Semiconducting Metalâ€“Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie - International Edition, 2020, 59, 1118-1123.	7.2	172
27	De Novo Design and Facile Synthesis of 2D Covalent Organic Frameworks: A Two-in-One Strategy. Journal of the American Chemical Society, 2019, 141, 13822-13828.	6.6	167
28	Porous Graphitic Carbon Nanosheets as a High-Rate Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 9537-9545.	4.0	154
29	Maleimideâ€“thiol adducts stabilized through stretching. Nature Chemistry, 2019, 11, 310-319.	6.6	154
30	Highly Efficient Activation of Molecular Oxygen with Nanoporous Metalloporphyrin Frameworks in Heterogeneous Systems. Advanced Materials, 2011, 23, 3149-3154.	11.1	151
31	Flexible Aqueous Lithiumâ€Ion Battery with High Safety and Large Volumetric Energy Density. Angewandte Chemie - International Edition, 2016, 55, 7474-7477.	7.2	149
32	A Universal Scheme to Convert Aromatic Molecular Monolayers into Functional Carbon Nanomembranes. ACS Nano, 2013, 7, 6489-6497.	7.3	141
33	Cotton fabric derived hierarchically porous carbon and nitrogen doping for sustainable capacitor electrode. Carbon, 2017, 111, 839-848.	5.4	140
34	Conjugated Copperâ€“Catecholate Framework Electrodes for Efficient Energy Storage. Angewandte Chemie - International Edition, 2020, 59, 1081-1086.	7.2	131
35	Tricycloquinazolineâ€Based 2D Conductive Metalâ€“Organic Frameworks as Promising Electrocatalysts for CO₂Reduction. Angewandte Chemie - International Edition, 2021, 60, 14473-14479.	7.2	130
36	Large pore donorâ€“acceptor covalent organic frameworks. Chemical Science, 2013, 4, 4505.	3.7	127

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37	Nitrogen and Sulfur Self-Doped Activated Carbon Directly Derived from Elm Flower for High-Performance Supercapacitors. ACS Omega, 2018, 3, 4724-4732.	1.6	122
38	Inverse-vulcanization of vinyl functionalized covalent organic frameworks as efficient cathode materials for Liâ€“S batteries. Journal of Materials Chemistry A, 2018, 6, 17977-17981.	5.2	122
39	Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. Angewandte Chemie - International Edition, 2019, 58, 15742-15746.	7.2	121
40	N,Nâ€²-Bicarbazole: A Versatile Building Block toward the Construction of Conjugated Porous Polymers for CO₂ Capture and Dyes Adsorption. Macromolecules, 2017, 50, 4993-5003.	2.2	120
41	General synthesis of xLi2MnO3Â·(1 â^' x)LiMn1/3Ni1/3Co1/3O2 nanomaterials by a molten-salt method: towards a high capacity and high power cathode for rechargeable lithium batteries. Journal of Materials Chemistry, 2012, 22, 25380.	6.7	115
42	Dioxetanes as Mechanoluminescent Probes in Thermoplastic Elastomers. Macromolecules, 2014, 47, 3797-3805.	2.2	112
43	Facile Synthesis of Porphyrin Based Covalent Organic Frameworks via an A₂B₂ Monomer for Highly Efficient Heterogeneous Catalysis. Chemistry of Materials, 2019, 31, 8100-8105.	3.2	111
44	Integration of aggregation-induced emission and delayed fluorescence into electronic donorâ€“acceptor conjugates. Journal of Materials Chemistry C, 2016, 4, 3705-3708.	2.7	107
45	Arylamineâ€Linked 2D Covalent Organic Frameworks for Efficient Pseudocapacitive Energy Storage. Angewandte Chemie - International Edition, 2021, 60, 20754-20759.	7.2	107
46	Polyimide as anode electrode material for rechargeable sodium batteries. RSC Advances, 2014, 4, 25369-25373.	1.7	102
47	Covalent Organic Frameworks Constructed from Flexible Building Blocks with High Adsorption Capacity for Pollutants. ACS Applied Nano Materials, 2018, 1, 4756-4761.	2.4	95
48	Li₂TiSiO₅: a low potential and large capacity Ti-based anode material for Li-ion batteries. Energy and Environmental Science, 2017, 10, 1456-1464.	15.6	93
49	2D Conjugated Covalent Organic Frameworks: Defined Synthesis and Tailor-Made Functions. Accounts of Chemical Research, 2022, 55, 795-808.	7.6	91
50	Macrocycle-derived hierarchical porous organic polymers: synthesis and applications. Chemical Society Reviews, 2021, 50, 11684-11714.	18.7	90
51	Donorâ€Acceptor Type Covalent Organic Frameworks. Chemistry - A European Journal, 2021, 27, 10781-10797.	1.7	90
52	Polyoxometalate built-in conjugated microporous polymers for visible-light heterogeneous photocatalysis. Journal of Materials Chemistry A, 2017, 5, 13757-13762.	5.2	89
53	Hexathienocoronenes: Synthesis and Self-Organization. Journal of the American Chemical Society, 2012, 134, 17869-17872.	6.6	88
54	Boosting the Potassium-Ion Storage Performance in Soft Carbon Anodes by the Synergistic Effect of Optimized Molten Salt Medium and N/S Dual-Doping. ACS Applied Materials & Interfaces, 2020, 12, 20838-20848.	4.0	88

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55	Potassium gluconate-derived N/S Co-doped carbon nanosheets as superior electrode materials for supercapacitors and sodium-ion batteries. Journal of Power Sources, 2019, 414, 308-316.	4.0	87
56	Dendritic Effect on Supramolecular Self-Assembly: Organogels with Strong Fluorescence Emission Induced by Aggregation. Langmuir, 2009, 25, 8548-8555.	1.6	84
57	Ultrastable Covalent Organic Frameworks via Self-Polycondensation of an A₂B₂ Monomer for Heterogeneous Photocatalysis. Macromolecules, 2019, 52, 7977-7983.	2.2	84
58	Binary Li₄Ti₅O₁₂â€Li₂Ti₃O₇ Nanocomposite as an Anode Material for Liâ€ion Batteries. Advanced Functional Materials, 2013, 23, 640-647.	7.8	83
59	Exfoliated conjugated porous polymer nanosheets for highly efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 5787-5795.	5.2	81
60	Assembly and Fiber Formation of a Gemini-Type Hexathienocoronene Amphiphile for Electrical Conduction. Journal of the American Chemical Society, 2013, 135, 13531-13537.	6.6	80
61	Noncovalently Netted, Photoconductive Sheets with Extremely High Carrier Mobility and Conduction Anisotropy from Triphenylene-Fused Metal Trigon Conjugates. Journal of the American Chemical Society, 2009, 131, 7287-7292.	6.6	79
62	Dual-Functional Conjugated Nanoporous Polymers for Efficient Organic Pollutants Treatment in Water: A Synergistic Strategy of Adsorption and Photocatalysis. Macromolecules, 2018, 51, 3443-3449.	2.2	78
63	A clean and membrane-free chlor-alkali process with decoupled Cl2 and H2/NaOH production. Nature Communications, 2018, 9, 438.	5.8	76
64	NiCo2S4 microspheres grown on N, S co-doped reduced graphene oxide as an efficient bifunctional electrocatalyst for overall water splitting in alkaline and neutral pH. Nano Research, 2022, 15, 950-958.	5.8	75
65	Hierarchical Supramolecular Selfâ€Assembly of Nanotubes and Layered Sheets. Angewandte Chemie - International Edition, 2008, 47, 6015-6018.	7.2	72
66	Nitrogen and sulfur co-doped porous carbon fibers film for flexible symmetric all-solid-state supercapacitors. Carbon, 2020, 158, 456-464.	5.4	72
67	Achieving an unprecedented hydrogen evolution rate by solvent-exfoliated CPP-based photocatalysts. Journal of Materials Chemistry A, 2020, 8, 5890-5899.	5.2	72
68	High-voltage aqueous battery approaching 3 V using an acidicâ€“alkaline double electrolyte. Chemical Communications, 2013, 49, 2204.	2.2	67
69	Polymorphism of 2D Imine Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 5363-5369.	7.2	67
70	Modulating Benzothiadiazoleâ€Based Covalent Organic Frameworks via Halogenation for Enhanced Photocatalytic Water Splitting. Angewandte Chemie, 2020, 132, 17050-17057.	1.6	66
71	N-Rich 2D Heptazine Covalent Organic Frameworks as Efficient Metal-Free Photocatalysts. ACS Catalysis, 2022, 12, 616-623.	5.5	65
72	Solid-state emissive cyanostilbene based conjugated microporous polymers via cost-effective Knoevenagel polycondensation. Polymer Chemistry, 2016, 7, 3983-3988.	1.9	64

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73	2D Redoxâ€Active Covalent Organic Frameworks for Supercapacitors: Design, Synthesis, and Challenges. Small, 2021, 17, e2005073.	5.2	64
74	Processable Rylene Diimide Dyes up to 4â€…nm in Length: Synthesis and STM Visualization. Chemistry - A European Journal, 2013, 19, 11842-11846.	1.7	63
75	Skeleton Engineering of Isostructural 2D Covalent Organic Frameworks: Orthoquinone Redox-Active Sites Enhanced Energy Storage. CCS Chemistry, 2021, 3, 696-706.	4.6	62
76	Ferrocene-based porous organic polymer derived high-performance electrocatalysts for oxygen reduction. Journal of Materials Chemistry A, 2017, 5, 22163-22169.	5.2	61
77	Bottomâ€Up Construction of Porous Organic Frameworks with Builtâ€In TEMPO as a Cathode for Lithiumâ€“Sulfur Batteries. ChemSusChem, 2017, 10, 2955-2961.	3.6	58
78	BrÃ¸nsted acid mediated covalent organic framework membranes for efficient molecular separation. Journal of Materials Chemistry A, 2019, 7, 20317-20324.	5.2	58
79	EDOT-based conjugated polymers accessed via Câ€“H direct arylation for efficient photocatalytic hydrogen production. Chemical Science, 2022, 13, 1725-1733.	3.7	58
80	Acid-Induced Multicolor Fluorescence of Pyridazine Derivative. ACS Applied Materials & Interfaces, 2018, 10, 1237-1243.	4.0	57
81	Superhydrophilic 2D Covalent Organic Frameworks as Broadband Absorbers for Efficient Solar Steam Generation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	57
82	A four-fold interpenetrated metalâ€“organic framework as a fluorescent sensor for volatile organic compounds. Dalton Transactions, 2016, 45, 14888-14892.	1.6	56
83	Phase-Locked Dynamic and Mechanoresponsive Bonds Design toward Robust and Mechanoluminescent Self-Healing Polyurethanes: A Microscopic View of Self-Healing Behaviors. Macromolecules, 2019, 52, 9376-9382.	2.2	56
84	TiP₂O₇ and Expanded Graphite Nanocomposite as Anode Material for Aqueous Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 8075-8082.	4.0	54
85	In situ g-C₃N₄ self-sacrificial synthesis of a g-C₃N₄/LaCO₃OH heterostructure with strong interfacial charge transfer and separation for photocatalytic NO removal. Journal of Materials Chemistry A, 2018, 6, 972-981.	5.2	54
86	Nonplanar Rhombus and Kagome 2D Covalent Organic Frameworks from Distorted Aromatics for Electrical Conduction. Journal of the American Chemical Society, 2022, 144, 5042-5050.	6.6	54
87	Nickel Glyoximate Based Metalâ€“Covalent Organic Frameworks for Efficient Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, .	7.2	54
88	Three-Dimensional Honeycomb-Like Porous Carbon with Both Interconnected Hierarchical Porosity and Nitrogen Self-Doping from Cotton Seed Husk for Supercapacitor Electrode. Nanomaterials, 2018, 8, 412.	1.9	52
89	ZnFe₂O₄ Nanoparticles for Electrochemical Determination of Trace Hg(II), Pb(II), Cu(II), and Glucose. ACS Applied Nano Materials, 2021, 4, 4026-4036.	2.4	48
90	Facile Transformation of Perylene Tetracarboxylic Acid Dianhydride into Strong Donorâ€“Acceptor Chromophores. Organic Letters, 2012, 14, 5444-5447.	2.4	47

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91	Targeted Construction of Light-Harvesting Metalâ€“Organic Frameworks Featuring Efficient Hostâ€“Guest Energy Transfer. ACS Applied Materials & Interfaces, 2018, 10, 5633-5640.	4.0	47
92	Donor-acceptor 2D covalent organic frameworks for efficient heterogeneous photocatalytic Î±-oxyamination. Science China Chemistry, 2021, 64, 827-833.	4.2	46
93	One-step synthesis of nickelâ€“iron layered double hydroxides with tungstate acid anions via flash nano-precipitation for the oxygen evolution reaction. Sustainable Energy and Fuels, 2019, 3, 237-244.	2.5	45
94	5,6,12,13â€Tetraazaperopyrenes as Unique Photonic and Mechanochromic Fluorophores. Angewandte Chemie - International Edition, 2020, 59, 9940-9945.	7.2	45
95	2D Conductive Metalâ€“Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. Angewandte Chemie, 2021, 133, 5672-5684.	1.6	45
96	Optical Waveguides in Organic Crystals of Polycyclic Arenes. Advanced Optical Materials, 2021, 9, 2002264.	3.6	45
97	Forced To Align: Flow-Induced Long-Range Alignment of Hierarchical Molecular Assemblies from 2D to 3D. Journal of the American Chemical Society, 2014, 136, 4117-4120.	6.6	44
98	Highâ€Voltage Rechargeable Alkaliâ€“Acid Znâ€“PbO₂ Hybrid Battery. Angewandte Chemie - International Edition, 2020, 59, 23593-23597.	7.2	44
99	2D covalent organic framework thin filmsviainterfacial self-polycondensation of an A₂B₂type monomer. Chemical Communications, 2020, 56, 3253-3256.	2.2	43
100	Contorted polycyclic aromatic hydrocarbons with cove regions and zig-zag edges. Chemical Communications, 2017, 53, 8474-8477.	2.2	42
101	N,Nâ€²-Bicarbazole-Based Covalent Triazine Frameworks as High-Performance Heterogeneous Photocatalysts. Macromolecules, 2019, 52, 9786-9791.	2.2	42
102	From S,Nâ€Heteroacene to Large Discotic Polycyclic Aromatic Hydrocarbons (PAHs): Liquid Crystal versus Plastic Crystalline Materials with Tunable Mechanochromic Fluorescence. Angewandte Chemie - International Edition, 2018, 57, 6161-6165.	7.2	41
103	Aqueous Lithium-Ion Batteries Using Polyimide-Activated Carbon Composites Anode and Spinel LiMn₂O₄ Cathode. ACS Sustainable Chemistry and Engineering, 2017, 5, 1503-1508.	3.2	40
104	Two-dimensional artificial light-harvesting antennae with predesigned high-order structure and robust photosensitising activity. Scientific Reports, 2016, 6, 32944.	1.6	39
105	Facile one-step fabrication of CdS_{0.12}Se_{0.88} quantum dots with a ZnSe/ZnS-passivation layer for highly efficient quantum dot sensitized solar cells. Journal of Materials Chemistry A, 2018, 6, 9866-9873.	5.2	38
106	2D covalent organic frameworks with built-in amide active sites for efficient heterogeneous catalysis. Chemical Communications, 2019, 55, 14538-14541.	2.2	38
107	Docking Site Modulation of Isostructural Covalent Organic Frameworks for CO₂ Fixation. Chemistry - A European Journal, 2020, 26, 4510-4514.	1.7	37
108	Hierarchical Supramolecular Assembly of Sterically Demanding Ï€â€Systems by Conjugation with Oligoprolines. Angewandte Chemie - International Edition, 2014, 53, 12537-12541.	7.2	36

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109	Tuning the Mechanochromic Luminescence of BOPIM Complexes by Rational Introduction of Aromatic Substituents. Journal of Physical Chemistry C, 2017, 121, 27009-27017.	1.5	36
110	Improving Mechanoluminescent Sensitivity of 1,2-Dioxetane-Containing Thermoplastic Polyurethanes by Controlling Energy Transfer across Polymer Chains. Macromolecules, 2018, 51, 9019-9025.	2.2	36
111	2D conductive metal-organic frameworks for electronics and spintronics. Science China Chemistry, 2020, 63, 1391-1401.	4.2	35
112	2D Covalent Organic Frameworks Toward Efficient Photocatalytic Hydrogen Evolution. ChemSusChem, 2022, 15, .	3.6	35
113	A Redoxâ€Active 2D Metalâ€“Organic Framework for Efficient Lithium Storage with Extraordinary High Capacity. Angewandte Chemie, 2020, 132, 5311-5315.	1.6	34
114	Synthesis of Fully Soluble Azomethine-Bridged Ladder-Type Poly(p-phenylenes) by Bischlerâ^'Napieralski Reaction. Macromolecules, 2010, 43, 10216-10220.	2.2	33
115	Facile construction of butadiynylene based conjugated porous polymers by cost-effective Glaser coupling. Materials Chemistry Frontiers, 2017, 1, 867-872.	3.2	33
116	Layered Electron Acceptors by Dimerization of Acenes Endâ€•Capped with 1,2,5â€Thiadiazoles. Angewandte Chemie - International Edition, 2016, 55, 941-944.	7.2	32
117	Nitroxyl radical based conjugated microporous polymers as heterogeneous catalysts for selective aerobic alcohol oxidation. Journal of Materials Chemistry A, 2018, 6, 9860-9865.	5.2	32
118	Enhanced optomechanical properties of mechanochemiluminescent poly(methyl acrylate) composites with granulated fluorescent conjugated microporous polymer fillers. Chemical Science, 2019, 10, 2206-2211.	3.7	32
119	Green Emitting Photoproducts from Terrylene Diimide after Red Illumination. Journal of the American Chemical Society, 2013, 135, 19180-19185.	6.6	31
120	Flow-Assisted 2D Polymorph Selection: Stabilizing Metastable Monolayers at the Liquidâ€“Solid Interface. Journal of the American Chemical Society, 2014, 136, 7595-7598.	6.6	31
121	Empowering self-reporting polymer blends with orthogonal optical properties responsive in a broader force range. Chemical Science, 2021, 12, 1245-1250.	3.7	31
122	A fishing rod-like conjugated polymer bearing pillar[5]arenes. Chemical Communications, 2016, 52, 6662-6664.	2.2	30
123	2D Semiconducting Metalâ€“Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie, 2020, 132, 1134-1139.	1.6	30
124	Sulfonated 2D Covalent Organic Frameworks for Efficient Proton Conduction. Chemistry - A European Journal, 2021, 27, 3817-3822.	1.7	30
125	Recent advances in mechanoluminescent polymers. Science China Materials, 2016, 59, 507-520.	3.5	29
126	From Tetraphenylfurans to Ringâ€Opened (Z)â€1,4â€Enediones: ACQ Fluorophores versus AIEgens with Distinct Responses to Mechanical Force and Light. Chemistry - A European Journal, 2018, 24, 13197-13204.	1.7	29

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127	Dual-responsive BN-embedded phenacenes featuring mechanochromic luminescence and ratiometric sensing of fluoride ions. Journal of Materials Chemistry C, 2018, 6, 10456-10463.	2.7	29
128	A Crown Ether Decorated Dibenzocoronene Tetracarboxdiimide Chromophore: Synthesis, Sensing, and Selfâ€Organization. Chemistry - an Asian Journal, 2015, 10, 139-143.	1.7	28
129	Baseâ€“acid hybrid water electrolysis. Chemical Communications, 2016, 52, 3147-3150.	2.2	28
130	Precursor-controlled and template-free synthesis of nitrogen-doped carbon nanoparticles for supercapacitors. RSC Advances, 2015, 5, 50063-50069.	1.7	27
131	A novel angularly fused bistetracene: facile synthesis, crystal packing and single-crystal field effect transistors. Journal of Materials Chemistry C, 2017, 5, 1308-1312.	2.7	27
132	Self-assembly of cationic pyrene nanotubes. Journal of Materials Chemistry, 2012, 22, 4927.	6.7	26
133	Synthesis and electrocatalytic mechanism of ultrafine MFe₂O₄ (M: Co, Ni, and) Tj ETQq1 1 0.784314 rgBT /O and hydrogen evolution reaction performances. Journal of Materials Chemistry A, 2021, 9, 22277-22290.	5.2	26
134	Tuning the Photophysical Properties of Symmetric Squarylium Dyes: Investigation on the Halogen Modulation Effects. Chemistry - A European Journal, 2019, 25, 469-473.	1.7	25
135	Visualized Bond Scission in Mechanochemiluminescent Polymethyl Acrylate/Cellulose Nanocrystals Composites. ACS Macro Letters, 2020, 9, 438-442.	2.3	25
136	An In Situ Film-to-Film Transformation Approach toward Highly Crystalline Covalent Organic Framework Films. CCS Chemistry, 2022, 4, 1519-1525.	4.6	25
137	Facile Synthesis of 3,8-Dibromo-Substituted Phenanthridine Derivatives and Their Conjugated Polymers. Macromolecules, 2010, 43, 1349-1355.	2.2	24
138	Synthesis, Characterization, and Properties of Diazapyrenes via Bischlerâ€“Napieralski Reaction. Journal of Organic Chemistry, 2019, 84, 3953-3959.	1.7	24
139	Sensitized Mechanoluminescence Design toward Mechanically Induced Intense Red Emission from Transparent Polymer Films. Macromolecules, 2020, 53, 905-912.	2.2	24
140	Substrate-Modulated Synthesis of Metalâ€“Organic Hybrids by Tunable Multiple Arylâ€“Metal Bonds. Journal of the American Chemical Society, 2022, 144, 8214-8222.	6.6	24
141	Discotic hexa-peri-hexabenzocoronenes with strong dipole: synthesis, self-assembly and dynamic studies. Chemical Communications, 2012, 48, 702-704.	2.2	23
142	Enhanced Mechanochemiluminescence from End-Functionalized Polyurethanes with Multiple Hydrogen Bonds. Macromolecules, 2021, 54, 1557-1563.	2.2	23
143	Thiophene-Fused 1,10-Phenanthroline and Its Conjugated Polymers. Macromolecules, 2016, 49, 4088-4094.	2.2	22
144	Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. Angewandte Chemie, 2019, 131, 15889-15893.	1.6	22

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145	An Upgraded â€œTwoâ€•inâ€•Oneâ€•Strategy toward Highly Crystalline Covalent Organic Frameworks. Chemistry - A European Journal, 2020, 26, 8377-8381.	1.7	22
146	Single-molecule field effect and conductance switching driven by electric field and proton transfer. Science Advances, 2022, 8, eabm3541.	4.7	22
147	Competition between HO₂ and H₂O₂ Reactions with CH₂OO/anti-CH₃CHOO in the Oligomer Formation: A Theoretical Perspective. Journal of Physical Chemistry A, 2017, 121, 6981-6991.	1.1	21
148	S,N-Heteroacene-Based Conjugated Microporous Polymers as Fluorescent Sensors and Effective Antimicrobial Carriers. ACS Applied Bio Materials, 2018, 1, 473-479.	2.3	21
149	Rational design of two-dimensional covalent tilings using a C6-symmetric building block via on-surface Schiff base reaction. Chemical Communications, 2019, 55, 1326-1329.	2.2	21
150	Flexible Aqueous Lithiumâ€•ion Battery with High Safety and Large Volumetric Energy Density. Angewandte Chemie, 2016, 128, 7600-7603.	1.6	20
151	pâ€Quaterphenylene as an Aggregationâ€•Induced Emission Fluorogen in Supramolecular Organogels and Fluorescent Sensors. Chemistry - an Asian Journal, 2017, 12, 52-59.	1.7	20
152	Synthesis of Co2â^'xNixO2 (0 < x < 1.0) hexagonal nanostructures as efficient bifunctional electrocatalysts for overall water splitting. Dalton Transactions, 2020, 49, 6587-6595.	1.6	20
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