Donglin Jiang

List of Publications by Year in Descending Order

170 papers	26,088 citations	83 h-index	161 g-index
179 ext. papers	30,378 ext. citations	13 avg, IF	7.65 L-index

#	Paper	IF	Citations
170	Water cluster in hydrophobic crystalline porous covalent organic frameworks. *Nature Communications*, **2021**, 12, 6747	17.4	4
169	Ultrafast and Stable Proton Conduction in Polybenzimidazole Covalent Organic Frameworks via Confinement and Activation. *Angewandte Chemie*, **2021**, 133, 13028-13033	3.6	4
168	Ultrafast and Stable Proton Conduction in Polybenzimidazole Covalent Organic Frameworks via Confinement and Activation. *Angewandte Chemie - International Edition*, **2021**, 60, 12918-12923	16.4	19
167	Covalent Organic Frameworks: A Molecular Platform for Designer Polymeric Architectures and Functional Materials. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 1215-1231	5.1	14
166	All sp2 carbon covalent organic frameworks. *Trends in Chemistry*, **2021**, 3, 431-444	14.8	17
165	Hydroxide Anion Transport in Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2021**, 143, 8970-8975	16.4	15
164	Editing Light Emission with Stable Crystalline Covalent Organic Frameworks via Wall Surface Perturbation. *Angewandte Chemie*, **2021**, 133, 19568-19576	3.6	
163	Editing Light Emission with Stable Crystalline Covalent Organic Frameworks via Wall Surface Perturbation. *Angewandte Chemie - International Edition*, **2021**, 60, 19419-19427	16.4	19
162	Polymorphism of 2D Imine Covalent Organic Frameworks. *Angewandte Chemie*, **2021**, 133, 5423-5429	3.6	8
161	Polymorphism of 2D Imine Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2021**, 60, 5363-5369	16.4	23
160	Covalent Organic Frameworks for Energy Conversions: Current Status, Challenges, and Perspectives. *CCS Chemistry*, **2021**, 3, 2003-2024	7.2	19
159	Smart covalent organic frameworks: dual channel sensors for acids and bases. *Chemical Communications*, **2021**, 57, 9418-9421	5.8	3
158	Covalent organic frameworks: an ideal platform for designing ordered materials and advanced applications. *Chemical Society Reviews*, **2021**, 50, 120-242	58.5	144
157	2,4,6-Triphenyl-1,3,5-Triazine Based Covalent Organic Frameworks for Photoelectrochemical H2 Evolution. *Advanced Materials Interfaces*, **2021**, 8, 2002191	4.6	10
156	Exceptional electron conduction in two-dimensional covalent organic frameworks. *CheM*, **2021**,	16.2	5
155	A Stable and Conductive Metallophthalocyanine Framework for Electrocatalytic Carbon Dioxide Reduction in Water. *Angewandte Chemie*, **2020**, 132, 16730	3.6	2
154	A Stable and Conductive Metallophthalocyanine Framework for Electrocatalytic Carbon Dioxide Reduction in Water. *Angewandte Chemie - International Edition*, **2020**, 59, 16587-16593	16.4	89

153	New synthetic strategies toward covalent organic frameworks. *Chemical Society Reviews*, **2020**, 49, 2852-2868	58.5	180
152	Covalent Organic Frameworks for Heterogeneous Catalysis: Principle, Current Status, and Challenges. *ACS Central Science*, **2020**, 6, 869-879	16.8	95
151	Bromine-Functionalized Covalent Organic Frameworks for Efficient Triboelectric Nanogenerator. *Chemistry - A European Journal*, **2020**, 26, 5784-5788	4.8	15
150	Covalent Organic Frameworks: Design, Synthesis, and Functions. *Chemical Reviews*, **2020**, 120, 8814-8933	68.1	824
149	Designing Covalent Organic Frameworks with a Tailored Ionic Interface for Ion Transport across One-Dimensional Channels. *Angewandte Chemie*, **2020**, 132, 4587-4593	3.6	5
148	Topology-Templated Synthesis of Crystalline Porous Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2020**, 59, 12162-12169	16.4	34
147	Confining HPO network in covalent organic frameworks enables proton super flow. *Nature Communications*, **2020**, 11, 1981	17.4	62
146	Topology-Templated Synthesis of Crystalline Porous Covalent Organic Frameworks. *Angewandte Chemie*, **2020**, 132, 12260-12267	3.6	10
145	Designing Covalent Organic Frameworks with a Tailored Ionic Interface for Ion Transport across One-Dimensional Channels. *Angewandte Chemie - International Edition*, **2020**, 59, 4557-4563	16.4	54
144	Covalent Organic Frameworks: An Amazing Chemistry Platform for Designing Polymers. *CheM*, **2020**, 6, 2461-2483	16.2	39
143	Covalent Organic Frameworks: Pore Design and Interface Engineering. *Accounts of Chemical Research*, **2020**, 53, 1672-1685	24.3	63
142	Covalent organic frameworks: Polymer chemistry and functional design. *Progress in Polymer Science* , **2020**, 108, 101288	29.6	35
141	Covalent Organic Frameworks: Chemical Approaches to Designer Structures and Built-In Functions. *Angewandte Chemie - International Edition*, **2020**, 59, 5050-5091	16.4	224
140	Kovalente organische Gerüstverbindungen: chemische Ansätze für Designerstrukturen und integrierte Funktionen. *Angewandte Chemie*, **2020**, 132, 5086-5129	3.6	35
139	Engineering Covalent Organic Frameworks for Light-Driven Hydrogen Production from Water **2019**, 1, 203-208		40
138	Energy-storage covalent organic frameworks: improving performance engineering polysulfide chains on walls. *Chemical Science*, **2019**, 10, 6001-6006	9.4	76
137	2D sp2 Carbon-Conjugated Covalent Organic Frameworks for Photocatalytic Hydrogen Production from Water. *CheM*, **2019**, 5, 1632-1647	16.2	226
136	Iodine capture in porous organic polymers and metal–organic frameworks materials. *Materials Horizons*, **2019**, 6, 1571-1595	14.4	164

135	High-Precision Size Recognition and Separation in Synthetic 1D Nanochannels. *Angewandte Chemie - International Edition*, **2019**, 58, 15922-15927	16.4	24
134	High-Precision Size Recognition and Separation in Synthetic 1D Nanochannels. *Angewandte Chemie*, **2019**, 131, 16069-16074	3.6	9
133	Synthesis of Two-Dimensional Covalent Organic Frameworks in Ionic Liquids. *Chemistry - A European Journal*, **2019**, 25, 15488-15492	4.8	18
132	Template Conversion of Covalent Organic Frameworks into 2D Conducting Nanocarbons for Catalyzing Oxygen Reduction Reaction. *Advanced Materials*, **2018**, 30, e1706330	24	105
131	A 3D Covalent Organic Framework with Exceptionally High Iodine Capture Capability. *Chemistry - A European Journal*, **2018**, 24, 585-589	4.8	151
130	Layered conductive polymer-inorganic anion network for high-performance ultra-loading capacitive electrodes. *Energy Storage Materials*, **2018**, 14, 90-99	19.4	15
129	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. *Energy Storage Materials*, **2018**, 12, 30-36	19.4	20
128	Designed synthesis of stable light-emitting two-dimensional sp carbon-conjugated covalent organic frameworks. *Nature Communications*, **2018**, 9, 4143	17.4	199
127	Porous Organic Polymers as a Molecular Platform for Designing Porous Carbons **2018**, 101-131		
126	Light-Emitting Covalent Organic Frameworks: Fluorescence Improving via Pinpoint Surgery and Selective Switch-On Sensing of Anions. *Journal of the American Chemical Society*, **2018**, 140, 12374-12377	16.4	126
125	Ion Conduction in Polyelectrolyte Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2018**, 140, 7429-7432	16.4	169
124	A 2D Conductive Organic-Inorganic Hybrid with Extraordinary Volumetric Capacitance at Minimal Swelling. *Advanced Materials*, **2018**, 30, e1800400	24	27
123	Exceptional Iodine Capture in 2D Covalent Organic Frameworks. *Advanced Materials*, **2018**, 30, e1801991	24	165
122	Stable Covalent Organic Frameworks for Exceptional Mercury Removal from Aqueous Solutions. *Journal of the American Chemical Society*, **2017**, 139, 2428-2434	16.4	369
121	Ionic Covalent Organic Frameworks: Design of a Charged Interface Aligned on 1D Channel Walls and Its Unusual Electrostatic Functions. *Angewandte Chemie*, **2017**, 129, 5064-5068	3.6	26
120	A backbone design principle for covalent organic frameworks: the impact of weakly interacting units on CO adsorption. *Chemical Communications*, **2017**, 53, 4242-4245	5.8	73
119	Ionic Covalent Organic Frameworks: Design of a Charged Interface Aligned on 1D Channel Walls and Its Unusual Electrostatic Functions. *Angewandte Chemie - International Edition*, **2017**, 56, 4982-4986	16.4	166
118	Pyrolysis of covalent organic frameworks: a general strategy for template converting conventional skeletons into conducting microporous carbons for high-performance energy storage. *Chemical Communications*, **2017**, 53, 11690-11693	5.8	38

117	Bicarbazole-based redox-active covalent organic frameworks for ultrahigh-performance energy storage. *Chemical Communications*, **2017**, 53, 11334-11337	5.8	63
116	Two-dimensional sp carbon-conjugated covalent organic frameworks. *Science*, **2017**, 357, 673-676	33.3	543
115	Systematic Engineering of Single Substitution in Zirconium Metal-Organic Frameworks toward High-Performance Catalysis. *Journal of the American Chemical Society*, **2017**, 139, 18590-18597	16.4	80
114	Covalent organic frameworks: a materials platform for structural and functional designs. *Nature Reviews Materials*, **2016**, 1,	73.3	959
113	Multiple-component covalent organic frameworks. *Nature Communications*, **2016**, 7, 12325	17.4	147
112	Two-dimensional artificial light-harvesting antennae with predesigned high-order structure and robust photosensitising activity. *Scientific Reports*, **2016**, 6, 32944	4.9	29
111	Covalent organic frameworks with spatially confined guest molecules in nanochannels and their impacts on crystalline structures. *Chemical Communications*, **2016**, 52, 1498-500	5.8	20
110	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. *Angewandte Chemie*, **2016**, 128, 3101-3105	3.6	22
109	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. *Angewandte Chemie - International Edition*, **2016**, 55, 3049-53	16.4	95
108	Proton conduction in crystalline and porous covalent organic frameworks. *Nature Materials*, **2016**, 15, 722-6	27	461
107	Highly Emissive Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2016**, 138, 5797-800	16.4	373
106	Luminescent Porous Polymers Based on Aggregation-Induced Mechanism: Design, Synthesis and Functions. *Small*, **2016**, 12, 6513-6527	11	84
105	Theoretical analysis of structural diversity of covalent organic framework: Stacking isomer structures thermodynamics and kinetics. *Chemical Physics Letters*, **2016**, 664, 101-107	2.5	10
104	Locking covalent organic frameworks with hydrogen bonds: general and remarkable effects on crystalline structure, physical properties, and photochemical activity. *Journal of the American Chemical Society*, **2015**, 137, 3241-7	16.4	238
103	Rational design of crystalline supermicroporous covalent organic frameworks with triangular topologies. *Nature Communications*, **2015**, 6, 7786	17.4	185
102	Radical covalent organic frameworks: a general strategy to immobilize open-accessible polyradicals for high-performance capacitive energy storage. *Angewandte Chemie - International Edition*, **2015**, 54, 6814-8	16.4	283
101	A □electronic covalent organic framework catalyst: □walls as catalytic beds for Diels-Alder reactions under ambient conditions. *Chemical Communications*, **2015**, 51, 10096-8	5.8	83
100	Radical Covalent Organic Frameworks: A General Strategy to Immobilize Open-Accessible Polyradicals for High-Performance Capacitive Energy Storage. *Angewandte Chemie*, **2015**, 127, 6918-6922	3.6	70

99	Stable, crystalline, porous, covalent organic frameworks as a platform for chiral organocatalysts. *Nature Chemistry*, **2015**, 7, 905-12	17.6	859
98	Design of Highly Photofunctional Porous Polymer Films with Controlled Thickness and Prominent Microporosity. *Angewandte Chemie*, **2015**, 127, 11702-11706	3.6	21
97	Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. *Angewandte Chemie*, **2015**, 127, 13798-13802	3.6	40
96	A Photoresponsive Smart Covalent Organic Framework. *Angewandte Chemie*, **2015**, 127, 8828-8831	3.6	36
95	Design of Highly Photofunctional Porous Polymer Films with Controlled Thickness and Prominent Microporosity. *Angewandte Chemie - International Edition*, **2015**, 54, 11540-4	16.4	120
94	Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. *Angewandte Chemie - International Edition*, **2015**, 54, 13594-8	16.4	151
93	A Photoresponsive Smart Covalent Organic Framework. *Angewandte Chemie - International Edition*, **2015**, 54, 8704-7	16.4	151
92	Designed synthesis of double-stage two-dimensional covalent organic frameworks. *Scientific Reports*, **2015**, 5, 14650	4.9	81
91	Designed Synthesis of Porphyrin-based Two-dimensional Covalent Organic Frameworks with Highly Ordered Structures. *Chemistry Letters*, **2015**, 44, 1257-1259	1.7	17
90	Cascade exciton-pumping engines with manipulated speed and efficiency in light-harvesting porous network films. *Scientific Reports*, **2015**, 5, 8867	4.9	35
89	Tailor-Made Pore Surface Engineering in Covalent Organic Frameworks: Systematic Functionalization for Performance Screening. *Journal of the American Chemical Society*, **2015**, 137, 7079-82	16.4	264
88	Creation of Superheterojunction Polymers via Direct Polycondensation: Segregated and Bicontinuous Donor-Acceptor Columnar Arrays in Covalent Organic Frameworks for Long-Lived Charge Separation. *Journal of the American Chemical Society*, **2015**, 137, 7817-27	16.4	152
87	Electrochemically active, crystalline, mesoporous covalent organic frameworks on carbon nanotubes for synergistic lithium-ion battery energy storage. *Scientific Reports*, **2015**, 5, 8225	4.9	243
86	Two-Dimensional Covalent Organic Frameworks for Carbon Dioxide Capture through Channel-Wall Functionalization. *Angewandte Chemie*, **2015**, 127, 3029-3033	3.6	111
85	Two-dimensional covalent organic frameworks for carbon dioxide capture through channel-wall functionalization. *Angewandte Chemie - International Edition*, **2015**, 54, 2986-90	16.4	441
84	High-performance heterogeneous catalysis with surface-exposed stable metal nanoparticles. *Scientific Reports*, **2014**, 4, 7228	4.9	41
83	Catalytic covalent organic frameworks via pore surface engineering. *Chemical Communications*, **2014**, 50, 1292-4	5.8	243
82	Towards covalent organic frameworks with predesignable and aligned open docking sites. *Chemical Communications*, **2014**, 50, 6161-3	5.8	99

81	Structural insights into the functional origin of conjugated microporous polymers: geometry-management of porosity and electronic properties. *Chemical Communications*, **2014**, 50, 2781-3	5.8	29
80	Redox-active conjugated microporous polymers: a new organic platform for highly efficient energy storage. *Chemical Communications*, **2014**, 50, 4788-90	5.8	183
79	Photoelectric covalent organic frameworks: converting open lattices into ordered donor-acceptor heterojunctions. *Journal of the American Chemical Society*, **2014**, 136, 9806-9	16.4	284
78	Two-dimensional tetrathiafulvalene covalent organic frameworks: towards latticed conductive organic salts. *Chemistry - A European Journal*, **2014**, 20, 14608-13	4.8	109
77	Covalent organic frameworks: Crossing the channel. *Nature Chemistry*, **2014**, 6, 564-6	17.6	40
76	Controlled Synthesis of Conjugated Microporous Polymer Films: Versatile Platforms for Highly Sensitive and Label-Free Chemo- and Biosensing. *Angewandte Chemie*, **2014**, 126, 4950-4955	3.6	51
75	Controlled synthesis of conjugated microporous polymer films: versatile platforms for highly sensitive and label-free chemo- and biosensing. *Angewandte Chemie - International Edition*, **2014**, 53, 4850-5	16.4	229
74	Conjugated microporous polymers: design, synthesis and application. *Chemical Society Reviews*, **2013**, 42, 8012-31	58.5	1242
73	Innenr□cktitelbild: Charge Dynamics in A Donor□Acceptor Covalent Organic Framework with Periodically Ordered Bicontinuous Heterojunctions (Angew. Chem. 7/2013). *Angewandte Chemie*, **2013**, 125, 2181-2181	3.6	
72	Conjugated organic framework with three-dimensionally ordered stable structure and delocalized □clouds. *Nature Communications*, **2013**, 4, 2736	17.4	404
71	An azine-linked covalent organic framework. *Journal of the American Chemical Society*, **2013**, 135, 17310-3	16.4	526
70	Large pore donor□cceptor covalent organic frameworks. *Chemical Science*, **2013**, 4, 4505	9.4	100
69	Core-shell conjugated microporous polymers: a new strategy for exploring color-tunable and -controllable light emissions. *Chemical Communications*, **2013**, 49, 1591-3	5.8	122
68	Control of crystallinity and porosity of covalent organic frameworks by managing interlayer interactions based on self-complementary □electronic force. *Journal of the American Chemical Society*, **2013**, 135, 546-9	16.4	189
67	A squaraine-linked mesoporous covalent organic framework. *Angewandte Chemie - International Edition*, **2013**, 52, 3770-4	16.4	234
66	Super absorbent conjugated microporous polymers: a synergistic structural effect on the exceptional uptake of amines. *Chemical Communications*, **2013**, 49, 3233-5	5.8	76
65	Star-shaped two-dimensional covalent organic frameworks. *CrystEngComm*, **2013**, 15, 1508-1511	3.3	62
64	Charge dynamics in a donor-acceptor covalent organic framework with periodically ordered bicontinuous heterojunctions. *Angewandte Chemie - International Edition*, **2013**, 52, 2017-21	16.4	217

63	A Squaraine-Linked Mesoporous Covalent Organic Framework. *Angewandte Chemie*, **2013**, 125, 3858-3862	3.6	45
62	Design, Synthesis, and Functions of Conjugated Microporous Polymers **2013**, 43-70		1
61	Charge Dynamics in A Donor–Acceptor Covalent Organic Framework with Periodically Ordered Bicontinuous Heterojunctions. *Angewandte Chemie*, **2013**, 125, 2071-2075	3.6	46
60	Conjugated microporous polymers as molecular sensing devices: microporous architecture enables rapid response and enhances sensitivity in fluorescence-on and fluorescence-off sensing. *Journal of the American Chemical Society*, **2012**, 134, 8738-41	16.4	388
59	Conducting metallophthalocyanine 2D covalent organic frameworks: the role of central metals in controlling π-electronic functions. *Chemical Communications*, **2012**, 48, 8952-4	5.8	110
58	Covalent organic frameworks. *Chemical Society Reviews*, **2012**, 41, 6010-22	58.5	1910
57	High-rate charge-carrier transport in porphyrin covalent organic frameworks: switching from hole to electron to ambipolar conduction. *Angewandte Chemie - International Edition*, **2012**, 51, 2618-22	16.4	291
56	An ambipolar conducting covalent organic framework with self-sorted and periodic electron donor-acceptor ordering. *Advanced Materials*, **2012**, 24, 3026-31	24	217
55	High-Rate Charge-Carrier Transport in Porphyrin Covalent Organic Frameworks: Switching from Hole to Electron to Ambipolar Conduction. *Angewandte Chemie*, **2012**, 124, 2672-2676	3.6	86
54	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, 17622-5	16.4	274
53	Porphyrin-based two-dimensional covalent organic frameworks: synchronized synthetic control of macroscopic structures and pore parameters. *Chemical Communications*, **2011**, 47, 1979-81	5.8	180
52	Two-Dimensional Semiconductive π-Electronic Frameworks **2011**, 155-174		
51	An n-channel two-dimensional covalent organic framework. *Journal of the American Chemical Society*, **2011**, 133, 14510-3	16.4	277
50	Highly efficient activation of molecular oxygen with nanoporous metalloporphyrin frameworks in heterogeneous systems. *Advanced Materials*, **2011**, 23, 3149-54	24	138
49	Synthesis of Metallophthalocyanine Covalent Organic Frameworks That Exhibit High Carrier Mobility and Photoconductivity. *Angewandte Chemie*, **2011**, 123, 1325-1329	3.6	68
48	Supercapacitive Energy Storage and Electric Power Supply Using an Aza-Fused π-Conjugated Microporous Framework. *Angewandte Chemie*, **2011**, 123, 8912-8916	3.6	113
47	Synthesis of metallophthalocyanine covalent organic frameworks that exhibit high carrier mobility and photoconductivity. *Angewandte Chemie - International Edition*, **2011**, 50, 1289-93	16.4	391
46	Supercapacitive energy storage and electric power supply using an aza-fused π-conjugated microporous framework. *Angewandte Chemie - International Edition*, **2011**, 50, 8753-7	16.4	427

45	Pore surface engineering in covalent organic frameworks. *Nature Communications*, **2011**, 2, 536	17.4	307
44	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, 6742-8	16.4	505
43	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, 9138-43	16.4	459
42	A Photoconductive Covalent Organic Framework: Self-Condensed Arene Cubes Composed of Eclipsed 2D Polypyrene Sheets for Photocurrent Generation. *Angewandte Chemie*, **2009**, 121, 5547-5550	3.6	90
41	A Belt-Shaped, Blue Luminescent, and Semiconducting Covalent Organic Framework. *Angewandte Chemie*, **2009**, 121, 3253-3253	3.6	7
40	A photoconductive covalent organic framework: self-condensed arene cubes composed of eclipsed 2D polypyrene sheets for photocurrent generation. *Angewandte Chemie - International Edition*, **2009**, 48, 5439-42	16.4	460
39	A Belt-Shaped, Blue Luminescent, and Semiconducting Covalent Organic Framework. *Angewandte Chemie - International Edition*, **2009**, 48, 3207-3207	16.4	11
38	Highly planar amphiphilic porphyrins. *Tetrahedron Letters*, **2009**, 50, 7137-7140	2	4
37	The non-covalent assembly of benzene-bridged metallosalphen dimers: photoconductive tapes with large carrier mobility and spatially distinctive conduction anisotropy. *Chemical Communications*, **2009**, 3119-21	5.8	10
36	Single-molecule study on intermolecular interaction between C60 and porphyrin derivatives: toward understanding the strength of the multivalency. *Langmuir*, **2009**, 25, 6627-32	4	41
35	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, 7287-92	16.4	67
34	Hydrothermal treatment to prepare hydroxyl group modified multi-walled carbon nanotubes. *Journal of Materials Chemistry*, **2008**, 18, 350-354		82
33	A belt-shaped, blue luminescent, and semiconducting covalent organic framework. *Angewandte Chemie - International Edition*, **2008**, 47, 8826-30	16.4	637
32	A Belt-Shaped, Blue Luminescent, and Semiconducting Covalent Organic Framework. *Angewandte Chemie*, **2008**, 120, 8958-8962	3.6	164
31	Synthesis of magnetic microspheres with controllable structure via polymerization-triggered self-positioning of nanocrystals. *Small*, **2007**, 3, 1811-7	11	42
30	Spin-crossover physical gels: a quick thermoreversible response assisted by dynamic self-organization. *Chemistry - an Asian Journal*, **2007**, 2, 106-13	4.5	72
29	Relationship between incoherent excitation energy migration processes and molecular structures in zinc(II) porphyrin dendrimers. *Chemistry - A European Journal*, **2006**, 12, 7576-84	4.8	51
28	Construction of segregated arrays of multiple donor and acceptor units using a dendritic scaffold: remarkable dendrimer effects on photoinduced charge separation. *Journal of the American Chemical Society*, **2006**, 128, 10527-32	16.4	108

27	Energy funneling of IR photons captured by dendritic antennae and acceptor mode specificity: anti-stokes resonance raman studies on iron(III) porphyrin complexes with a poly(aryl ether) dendrimer framework. *Journal of the American Chemical Society*, **2005**, 127, 10020-7	16.4	31
26	Cooperativity in chiroptical sensing with dendritic zinc porphyrins. *Journal of the American Chemical Society*, **2005**, 127, 7700-2	16.4	83
25	Spin-crossover dendrimers: generation number-dependent cooperativity for thermal spin transition. *Journal of the American Chemical Society*, **2005**, 127, 5484-9	16.4	59
24	Bioinspired molecular design of functional dendrimers. *Progress in Polymer Science*, **2005**, 30, 403-422	29.6	74
23	Supramolecular nanocarrier of anionic dendrimer porphyrins with cationic block copolymers modified with polyethylene glycol to enhance intracellular photodynamic efficacy. *Angewandte Chemie - International Edition*, **2005**, 44, 419-23	16.4	126
22	Photoluminescence properties of discrete conjugated wires wrapped within dendrimeric envelopes: "dendrimer effects" on pi-electronic conjugation. *Angewandte Chemie - International Edition*, **2004**, 43, 2943-7	16.4	66
21	Photosensitized hydrogen evolution from water using conjugated polymers wrapped in dendrimeric electrolytes. *Journal of the American Chemical Society*, **2004**, 126, 12084-9	16.4	124
20	Polyion complex micelles entrapping cationic dendrimer porphyrin: effective photosensitizer for photodynamic therapy of cancer. *Journal of Controlled Release*, **2003**, 93, 141-50	11.7	149
19	Morphology-dependent luminescence properties of poly(benzyl ether) dendrimers. *Journal of Polymer Science Part A*, **2003**, 41, 3524-3530	2.5	13
18	Light-harvesting ionic dendrimer porphyrins as new photosensitizers for photodynamic therapy. *Bioconjugate Chemistry*, **2003**, 14, 58-66	6.3	146
17	Fluorescence Spectroscopic Properties and Single Aggregate Structures of □Conjugated Wire-Type Dendrimers. *Journal of Physical Chemistry B*, **2003**, 107, 2471-2479	3.4	29
16	Switching of spin states triggered by a phase transition: spin-crossover properties of self-assembled iron(II) complexes with alkyl-tethered triazole ligands. *Journal of the American Chemical Society*, **2003**, 125, 14690-1	16.4	109
15	pH-sensitive Assembly of Light-Harvesting Dendrimer Zinc Porphyrin Bearing Peripheral Groups of Primary Amine with Poly(ethylene glycol)-b-poly(aspartic acid) in Aqueous Solution. *Macromolecules* , **2003**, 36, 1304-1309	5.5	55
14	Persistent spectral hole-burning study on dendrimer porphyrins. *Journal of Polymer Science, Part B: Polymer Physics*, **2002**, 40, 210-215	2.6	6
13	Repetitive Contraction and Swelling Behavior of Gel-like Wire-type Dendrimer Assemblies in Solution Layer by Photon Pressure of a Focused Near-infrared Laser Beam. *Journal of Physical Chemistry B*, **2002**, 106, 905-909	3.4	46
12	Morphological Dependence of Radiative and Nonradiative Relaxation Energy Balance in Photoexcited Aryl Ether Dendrimers as Observed by Fluorescent and Thermal Lens Spectroscopies. *Journal of Physical Chemistry B*, **2001**, 105, 4441-4445	3.4	24
11	Fluorescent Doughnut-Like Assembling of Wire-Type Dendrimers Depending on Their Generation Numbers and Degrees of Polymerization. *Journal of Physical Chemistry B*, **2001**, 105, 2885-2889	3.4	33
10	Polyion Complex Micelles Encapsulating Light-Harvesting Ionic Dendrimer Zinc Porphyrins. *Langmuir*, **2000**, 16, 8182-8188	4	97

9	Dendritic Physical Gel: Hierarchical Self-Organization of a Peptide-Core Dendrimer to Form a Micrometer-Scale Fibrous Assembly. *Journal of the American Chemical Society*, **2000**, 122, 3232-3233	16.4	168
8	Long-term energy storage of dendrimers. *Journal of Luminescence*, **1999**, 83-84, 313-315	3.8	14
7	A Blue-Luminescent Dendritic Rod: Poly(phenyleneethynylene) within a Light-Harvesting Dendritic Envelope. *Journal of the American Chemical Society*, **1999**, 121, 10658-10659	16.4	267
6	A new approach to light-harvesting with dendritic antenna. *Thin Solid Films*, **1998**, 331, 254-258	2.2	54
5	Morphology-Dependent Photochemical Events in Aryl Ether Dendrimer Porphyrins: Cooperation of Dendron Subunits for Singlet Energy Transduction. *Journal of the American Chemical Society*, **1998**, 120, 10895-10901	16.4	255
4	Dendrimer-Encapsulated Iron Porphyrin as a Novel Hemoprotein Mimic for Dioxygen Binding. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **1997**, 34, 2047-2055	2.2	12
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