

Takanori Fukushima

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199 papers	13,283 citations	51 h-index	113 g-index
218 ext. papers	14,543 ext. citations	8.9 avg, IF	6.26 L-index

#	Paper	IF	Citations
199	On the cutting edge: anterior transpetrosal approach [the middle fossa approach. Clinical application, surgical anatomy, and results. <i>Seishinshinshin Vestnik</i> , 2022 , 12, 19-28	0.3	0
198	Introduction of Triptycene with a Particular Substitution Pattern into Polymer Chains Can Dramatically Improve the Structural and Rheological Properties.. <i>ACS Macro Letters</i> , 2021 , 10, 1529-1534	6.6	1
197	Visualization of Thermal Transport Properties of Self-Assembled Monolayers on Au(111) by Contact and Noncontact Scanning Thermal Microscopy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18777-18783	16.4	1
196	Chalcogen Bond versus Weak Hydrogen Bond: Changing Contributions in Determining the Crystal Packing of [1,2,5]-Chalcogenadiazole-Fused Tetracyanonaphthoquinodimethanes. <i>Organic Materials</i> , 2021 , 03, 090-096	1.9	2
195	Two-step Conformational Control of a Dibenzo Diazacyclooctane Derivative by Stepwise Protonation. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 1377-1381	3	2
194	Observation of Borane-Olefin Proximity Interaction Governing the Structure and Reactivity of Boron-Containing Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14630-14635	16.4	1
193	Observation of Borane-Olefin Proximity Interaction Governing the Structure and Reactivity of Boron-Containing Macrocycles. <i>Angewandte Chemie</i> , 2021 , 133, 14751-14756	3.6	0
192	Thermal and Gas Adsorption Properties of Tröger's Base/Diaza-cyclooctane Hybrid Ladder Polymers. <i>ChemNanoMat</i> , 2021 , 7, 824-830	3.5	0
191	Porous Honeycomb Self-Assembled Monolayers: Tripodal Adsorption and Hidden Chirality of Carboxylate Anchored Triptycenes on Ag. <i>ACS Nano</i> , 2021 ,	16.7	7
190	Perchlorinated Triptycene Tribenzoquinone. <i>Chemistry Letters</i> , 2021 , 50, 1240-1243	1.7	1
189	Innentitelbild: An Element-Substituted Cyclobutadiene Exhibiting High-Energy Blue Phosphorescence (Angew. Chem. 40/2021). <i>Angewandte Chemie</i> , 2021 , 133, 21766-21766	3.6	0
188	An Element-Substituted Cyclobutadiene Exhibiting High-Energy Blue Phosphorescence. <i>Angewandte Chemie</i> , 2021 , 133, 21988-21994	3.6	2
187	An Element-Substituted Cyclobutadiene Exhibiting High-Energy Blue Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21817-21823	16.4	5
186	A highly sensitive humidity sensor based on an aggregation-induced emission luminogen-appended hygroscopic polymer microresonator. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 799-803	7.8	7
185	9,9'-Bi(xanthene)-Type Hexaphenylethane Derivatives as Advanced Organic Electrochromic Systems. <i>Heterocycles</i> , 2021 , 102, 419	0.8	3
184	End-functionalization of dithiarubicene: modulation of optoelectronic properties by metal-catalyzed coupling reactions and device application. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5920-5929	7.1	0
183	Changing the structural and physical properties of 3-arm star poly(ε-valerolactone)s by a branch-point design. <i>Chemical Communications</i> , 2021 , 57, 3901-3904	5.8	2

182	Thermal transport properties of an oriented thin film of a paraffinic tripodal triptycene. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, 038002	1.4	1
181	Cyano-Substituted Triptycene-Based Monolayers on Au(111): Tripodal Adsorption, Dipole Engineering, and Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18968-18978	3.8	1
180	Mobility enhancement of DNTT and BTBT derivative organic thin-film transistors by triptycene molecule modification. <i>Organic Electronics</i> , 2021 , 96, 106219	3.5	4
179	An Air- and Water-Stable B ₄ N ₄ -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. <i>Angewandte Chemie</i> , 2021 , 133, 24005	3.6	1
178	An Air- and Water-Stable B ₄ N ₄ -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23812-23818	16.4	3
177	A single-molecule conductance study on the rotational isomers of a hexaarylbenzene derivative carrying dipolar rotating units. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, 108002	1.4	
176	Analysis of Interconversion between Atropisomers of Chiral Substituted 9,9-Bicarbazole. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 449-451	3.2	2
175	Anisotropic Poisson Effect and Deformation-Induced Fluorescence Change of Elastic 9,10-Dibromoanthracene Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16195-16201	16.4	30
174	Selective synthesis of diazacyclooctane -containing flexible ladder polymers with symmetrically or unsymmetrically substituted side chains. <i>Polymer Chemistry</i> , 2020 , 11, 3690-3694	4.9	6
173	Cavitand-Based Pd-Pyridyl Coordination Capsules: Guest-Induced Homo- or Heterocapsule Selection and Applications of Homocapsules to the Protection of a Photosensitive Guest and Chiral Capsule Formation. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2218-2230	4.5	0
172	An Organic Borate Salt with Superior -Doping Capability for Organic Semiconductors. <i>Advanced Science</i> , 2020 , 7, 2001322	13.6	13
171	Spatiotemporal Dynamics of Aggregation-Induced Emission Enhancement Controlled by Optical Manipulation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7063-7068	16.4	13
170	Spatiotemporal Dynamics of Aggregation-Induced Emission Enhancement Controlled by Optical Manipulation. <i>Angewandte Chemie</i> , 2020 , 132, 7129-7134	3.6	1
169	Room-Temperature Pentacene Fluids: Oligoethylene Glycol Substituent-Controlled Morphologies and Singlet Fission. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 11910-11918	3.4	1
168	Switching of the conformational flexibility of a diazacyclooctane-containing ladder polymer by coordination and elimination of a Lewis acid. <i>Polymer Chemistry</i> , 2020 , 11, 236-240	4.9	3
167	Anisotropic Poisson Effect and Deformation-Induced Fluorescence Change of Elastic 9,10-Dibromoanthracene Single Crystals. <i>Angewandte Chemie</i> , 2020 , 132, 16329-16335	3.6	3
166	Design of a molecular memory element with an alternating circular array of dipolar rotors and rotation suppressors. <i>Chemical Science</i> , 2020 , 11, 8388-8393	9.4	2
165	Sumanene Hexaester: An Electron-Deficient Buckybowl. <i>Synthesis</i> , 2019 , 51, 4576-4581	2.9	1

164	Chiral crystal-like droplets displaying unidirectional rotational sliding. <i>Nature Materials</i> , 2019 , 18, 266-272	10
163	A Theoretical Study on the Mechanism of the Oxidative Deborylation/C-C Coupling Reaction of Borepin Derivatives. <i>Journal of Organic Chemistry</i> , 2019 , 84, 1941-1950	4.2 4
162	Formation of environmentally stable hole-doped graphene films with instantaneous and high-density carrier doping via a boron-based oxidant. <i>Npj 2D Materials and Applications</i> , 2019 , 3,	8.8 16
161	Synthesis and Reactivity of Cyclic Borane-Amidine Conjugated Molecules Formed by Direct 1,2-Carbo-boration of Carbodiimides with 9-Borafluorenes. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1879-1885	4.5 10
160	Dual-Controlled Macroscopic Motions in a Supramolecular Hierarchical Assembly of Motor Amphiphiles. <i>Angewandte Chemie</i> , 2019 , 131, 11101-11105	3.6 3
159	Dual-Controlled Macroscopic Motions in a Supramolecular Hierarchical Assembly of Motor Amphiphiles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10985-10989	16.4 20
158	Control of molecular orientation in a single-molecule junction with a tripodal triptycene anchoring unit: toward a simple and facile single-molecule diode. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 035003	1.4 5
157	Triptycene Tripods for the Formation of Highly Uniform and Densely Packed Self-Assembled Monolayers with Controlled Molecular Orientation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5995-6005	16.4 30
156	First-Principles Study of the Adsorption Behavior of Triptycene Molecular Tripods on Au(111): Site Selectivity and Unambiguous Molecular Orientation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 4401-4406	3.8 6
155	Molecular Wires with Controllable π -Delocalization Incorporating Redox-Triggered π -Conjugated Switching Units. <i>ChemPlusChem</i> , 2019 , 84, 634-642	2.8 1
154	Highly-ordered Triptycene Modifier Layer Based on Blade Coating for Ultraflexible Organic Transistors. <i>Scientific Reports</i> , 2019 , 9, 9200	4.9 12
153	Ultralow-Noise Organic Transistors Based on Polymeric Gate Dielectrics with Self-Assembled Modifiers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41561-41569	9.5 5
152	Electric-Field-Controllable Conductance Switching of an Overcrowded Ethylene Self-Assembled Monolayer. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18544-18550	16.4 10
151	Self-Assembly Growth of an Upright Molecular Precursor with a Rigid Framework. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 31272-31278	3.8 3
150	A versatile scaffold for facile synthesis of fluorescent cyano-substituted stilbenes. <i>Tetrahedron</i> , 2019 , 75, 1079-1084	2.4 6
149	Heat-Triggered Crystallization of Liquid Crystalline Macrocycles Allowing for Conductance Switching through Hysteretic Thermal Phase Transitions. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 141-148	4.5 1
148	Chemical hole doping into large-area transition metal dichalcogenide monolayers using boron-based oxidant. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 02CB15	1.4 6
147	Highly efficient transformation of linear poly(phenylene ethynylene)s into zigzag-shaped π -conjugated microporous polymers through boron-mediated alkyne benzannulation. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 807-814	7.8 9

146	Single-molecule junction of an overcrowded ethylene with binary conductance states. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 03EG05	1.4	5
145	Supramolecular scaffolds enabling the controlled assembly of functional molecular units. <i>Chemical Science</i> , 2018 , 9, 2028-2041	9.4	53
144	A few-layer molecular film on polymer substrates to enhance the performance of organic devices. <i>Nature Nanotechnology</i> , 2018 , 13, 139-144	28.7	64
143	Thermal and optical properties of multiblock macrocycles with hysteretic polymorphic transition. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 969-974	7.8	5
142	Narrower HOMO-LUMO gap attained by conformational switching through peripheral polyarylation in 1,4,5,8-tetraaza-9,10-anthraquinodimethanes. <i>Tetrahedron</i> , 2018 , 74, 2239-2244	2.4	8
141	Impact of helical organization on the photovoltaic properties of oligothiophene supramolecular polymers. <i>Chemical Science</i> , 2018 , 9, 3638-3643	9.4	19
140	Mechanistic Study of Highly Efficient Direct 1,2-Carboboration of Alkynes with 9-Borafluorenes. <i>Chemistry - A European Journal</i> , 2018 , 24, 13223-13230	4.8	19
139	Topology Effect of AIEgen-Appended Poly(acrylic acid) with Biocompatible Segments on Ca ²⁺ -Sensing and Protein-Adsorption-Resistance Properties. <i>ACS Macro Letters</i> , 2018 , 7, 711-715	6.6	7
138	Water-induced self-assembly of an amphiphilic perylene bisimide dyad into vesicles, fibers, coils, and rings. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 171-179	7.8	24
137	Supramolecular Packing and Macroscopic Alignment Controls Actuation Speed in Macroscopic Strings of Molecular Motor Amphiphiles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17724-17733	16.4	25
136	Ring shape-dependent self-sorting of pillar[n]arenes assembled on a surface. <i>Communications Chemistry</i> , 2018 , 1,	6.3	14
135	Terminal Functionalization with a Triptycene Motif That Dramatically Changes the Structural and Physical Properties of an Amorphous Polymer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13497-13502	16.4	28
134	Induced-fit expansion and contraction of a self-assembled nanocube finely responding to neutral and anionic guests. <i>Nature Communications</i> , 2018 , 9, 4530	17.4	23
133	Rewriting the phase diagram of a diamagnetic liquid crystal by a magnetic field. <i>Nature Communications</i> , 2018 , 9, 4431	17.4	4
132	Sensing the chirality of various organic solvents by helically arranged Eblades. <i>Chemical Communications</i> , 2018 , 54, 12314-12317	5.8	6
131	Artificial muscle-like function from hierarchical supramolecular assembly of photoresponsive molecular motors. <i>Nature Chemistry</i> , 2018 , 10, 132-138	17.6	224
130	Unveiling a New Aspect of Simple Arylboronic Esters: Long-Lived Room-Temperature Phosphorescence from Heavy-Atom-Free Molecules. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2728-2733	16.4	192
129	Highly air- and moisture-stable hole-doped carbon nanotube films achieved using boron-based oxidant. <i>Applied Physics Express</i> , 2017 , 10, 035101	2.4	10

128	Supramolecular Polymerization of Supermacrocycles: Effect of Molecular Conformations on Kinetics and Morphology. <i>Chemistry - A European Journal</i> , 2017 , 23, 5270-5280	4.8	16
127	High-fidelity self-assembly pathways for hydrogen-bonding molecular semiconductors. <i>Scientific Reports</i> , 2017 , 7, 43098	4.9	27
126	Synthesis and Catalytic Applications of a Triptycene-Based Monophosphine Ligand for Palladium-Mediated Organic Transformations. <i>ACS Omega</i> , 2017 , 2, 1930-1937	3.9	20
125	Formation of an Isolable Divinylborinium Ion through Twofold 1,2-Carboboration between a Diarylborinium Ion and Diphenylacetylene. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5312-5316	16.4	30
124	Formation of an Isolable Divinylborinium Ion through Twofold 1,2-Carboboration between a Diarylborinium Ion and Diphenylacetylene. <i>Angewandte Chemie</i> , 2017 , 129, 5396-5400	3.6	12
123	Induction of Single-Handed Helicity of Polyacetylenes Using Mechanically Chiral Rotaxanes as Chiral Sources. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14858-14862	16.4	41
122	Quantum Chemical Studies on Electron-Accepting Overcrowded Ethylene with a Polarizable Skeleton. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 7797-7806	2.8	2
121	Hexathioalkyl sumanenes: an electron-donating buckybowl as a building block for supramolecular materials. <i>Chemical Science</i> , 2017 , 8, 8405-8410	9.4	33
120	Mesoscopic Structural Aspects of Ca ²⁺ -Triggered Polymer Chain Folding of a Tetraphenylethene-Appended Poly(acrylic acid) in Relation to Its Aggregation-Induced Emission Behavior. <i>Macromolecules</i> , 2017 , 50, 5940-5945	5.5	26
119	Temperature Dependence of Magnetophotoconductance in One-Dimensional Molecular Assembly of Hexabenzocoronene. <i>ACS Omega</i> , 2017 , 2, 3260-3266	3.9	2
118	REKtitelbild: Formation of an Isolable Divinylborinium Ion through Twofold 1,2-Carboboration between a Diarylborinium Ion and Diphenylacetylene (Angew. Chem. 19/2017). <i>Angewandte Chemie</i> , 2017 , 129, 5456-5456	3.6	
117	2,3,5,6,8,9-Hexabromosumanene: Synthesis and Its Application to SuzukiMiyaura Cross-coupling. <i>Chemistry Letters</i> , 2017 , 46, 1368-1371	1.7	15
116	Rigid-to-Flexible Conformational Transformation: An Efficient Route to Ring-Opening of a Tröger Base-Containing Ladder Polymer. <i>ACS Macro Letters</i> , 2017 , 6, 775-780	6.6	24
115	Stereoselective Encapsulation for a Triarylmethyl cation by Natural Cyclodextrin: Origin of Chiral Recognition for the Axially Chiral Dicationic Guest. <i>Heterocycles</i> , 2017 , 94, 1123	0.8	1
114	Supramolecular Assemblies of Ferrocene-Hinged Naphthalenediimides: Multiple Conformational Changes in Film States. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11245-53	16.4	22
113	Supramolecular Scaffold for Tailoring the Two-Dimensional Assembly of Functional Molecular Units into Organic Thin Films. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11727-33	16.4	38
112	Discrete Self-Assembly and Functionality of Guest Molecules in an Organic Framework. <i>Chemistry of Materials</i> , 2016 , 28, 5847-5854	9.6	11
111	An anion-conductive microporous membrane composed of a rigid ladder polymer with a spirobiindane backbone. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17655-17659	13	29

110	A ternary blend of a polymer, fullerene, and insulating self-assembling triptycene molecules for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18490-18498	13	17
109	Boron-mediated sequential alkyne insertion and C-C coupling reactions affording extended π -conjugated molecules. <i>Nature Communications</i> , 2016 , 7, 12704	17.4	75
108	Ultraflexible organic amplifier with biocompatible gel electrodes. <i>Nature Communications</i> , 2016 , 7, 11425	17.4	139
107	Bioinspired design of a polymer gel sensor for the realization of extracellular Ca(2+) imaging. <i>Scientific Reports</i> , 2016 , 6, 24275	4.9	45
106	Chlorine-based inductively coupled plasma etching of GaAs wafer using tripodal paraffinic triptycene as an etching resist mask. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 06GL01	1.4	6
105	Hydrogen-bonded oligothiophene rosettes with a benzodithiophene terminal unit: self-assembly and application to bulk heterojunction solar cells. <i>Chemical Communications</i> , 2016 , 52, 7874-7	5.8	23
104	Convenient Route to Monocarba-closo-dodecaborate Anions. <i>Organometallics</i> , 2016 , 35, 2022-2025	3.8	9
103	Scanning tunnelling microscopy analysis of octameric o-phenylenes on Au(111). <i>RSC Advances</i> , 2016 , 6, 55970-55975	3.7	
102	Seamless growth of a supramolecular carpet. <i>Nature Communications</i> , 2016 , 7, 10653	17.4	12
101	A design principle of polymers processable into 2D homeotropic order. <i>Nature Communications</i> , 2016 , 7, 13640	17.4	10
100	Synthesis and Self-Assembly of Cyclic 2,7-Anthrylene Ethynylene 1,3-Phenylene Ethynylene Trimer with a Planar Conformation. <i>Chemistry - A European Journal</i> , 2016 , 22, 16760-16764	4.8	11
99	An electron-accepting molecular unit exhibiting an orientational preference favorable for organic photovoltaic applications. <i>Thin Solid Films</i> , 2015 , 583, 34-39	2.2	5
98	Synthesis and Property of Semicrystalline Anion Exchange Membrane with Well-Defined Ion Channel Structure. <i>Macromolecules</i> , 2015 , 48, 2576-2584	5.5	31
97	Ultrahigh-throughput exfoliation of graphite into pristine 'single-layer' graphene using microwaves and molecularly engineered ionic liquids. <i>Nature Chemistry</i> , 2015 , 7, 730-6	17.6	248
96	The molecular and electronic structures of a thioaroyl cation formed by borinium ion-mediated C=S double bond cleavage of CS ₂ . <i>Chemical Communications</i> , 2015 , 51, 13342-5	5.8	27
95	Helix Sense-Selective Supramolecular Polymerization Seeded by a One-Handed Helical Polymeric Assembly. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13792-5	16.4	85
94	Translation of the assembling trajectory by preorganisation: a study of the magnetic properties of 1D polymeric unpaired electrons immobilised on a discrete nanoscopic scaffold. <i>Chemical Communications</i> , 2015 , 51, 1206-9	5.8	7
93	(11)B Solid-State NMR Interaction Tensors of Linear Two-Coordinate Boron: The Dimesitylborinium Cation. <i>Inorganic Chemistry</i> , 2015 , 54, 11889-96	5.1	12

92	Selective synthesis of single- and multi-walled supramolecular nanotubes by using solvophobic/solvophilic controls: stepwise radial growth via "coil-on-tube" intermediates. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11168-72	16.4	28
91	Organic thin films. Rational synthesis of organic thin films with exceptional long-range structural integrity. <i>Science</i> , 2015 , 348, 1122-6	33.3	81
90	Photoalignment of an azobenzene-based chromonic liquid crystal dispersed in triacetyl cellulose: single-layer alignment films with an exceptionally high order parameter. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11074-8	9.5	27
89	Raising the metal-insulator transition temperature of VO ₂ thin films by surface adsorption of organic polar molecules. <i>Applied Physics Express</i> , 2015 , 8, 121101	2.4	21
88	Three-Way Output Molecular Response System Based on Tetrakis(3,4-dialkoxyphenyl)-3,4-dihydro[5]helicenes: Perturbation of Properties by Long Alkyl Chains. <i>Heterocycles</i> , 2015 , 90, 126	0.8	4
87	A two-coordinate boron cation featuring C-B ⁺ -C bonding. <i>Nature Chemistry</i> , 2014 , 6, 498-503	17.6	105
86	Electrochromic and unique chiroptical properties of helically deformed tetraarylquinodimethanes generated from less-hindered dicationic precursors upon reduction. <i>Pure and Applied Chemistry</i> , 2014 , 86, 507-516	2.1	4
85	Expandability of Ultralong C≡C Bonds: Largely Different C1-C2 Bond Lengths Determined by Low-temperature X-ray Structural Analyses on Pseudopolymorphs of 1,1-Bis(4-fluorophenyl)-2,2-bis(4-methoxyphenyl)pyracene. <i>Chemistry Letters</i> , 2014 , 43, 86-88	1.7	14
84	Electrochiroptical Response in Aqueous Media: 9,10-Dihydrophenanthrene-9,10-diyl Dications with Michlar's Hydrol Blue Chromophores Attached with Oligoethylene Glycol Units. <i>Chemistry Letters</i> , 2014 , 43, 982-984	1.7	11
83	Oxidative Protonolysis of the Expanded Central C≡C Bond in a Di(spiroacridan)-type Hexaphenylethane Derivative Accompanied by UV-Vis, FL, and CD Spectral Changes. <i>Chemistry Letters</i> , 2014 , 43, 887-889	1.7	14
82	Effect of Acceptor Lamination on Photocarrier Dynamics in Hole Transporting Hexabenzocoronene Nanotubular Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15295-15305	3.8	7
81	Amphiphilic design of a discotic liquid-crystalline molecule for dipole manipulation: hierarchical columnar assemblies with a 2D superlattice structure. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1031-4	16.4	37
80	7,7,8,8-Tetraaryl-o-quinodimethane stabilized by dibenzo annulation: a helical π -electron system that exhibits electrochromic and unique chiroptical properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 117-23	4.8	24
79	o-Phenylene octamers as surface modifiers for homeotropic columnar ordering of discotic liquid crystals. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14564-7	16.4	27
78	Dynamic or nondynamic? Helical trajectory in hexabenzocoronene nanotubes biased by a detachable chiral auxiliary. <i>Journal of the American Chemical Society</i> , 2013 , 135, 114-7	16.4	52
77	Redox Switching of Conjugation Length Using 9,9,10,10-Tetraaryl-9,10-dihydrophenanthrene as an ON/OFF Unit: Preparation, X-ray Structure, and Redox Properties of Perfluorobiphenyl Derivative and Its SNAr Reactions to π -Extended Analogues. <i>Chemistry Letters</i> , 2013 , 42, 703-705	1.7	8
76	Preparation, Properties, and X-ray Structures of Bis(10-methyl-9-methyleneacridan)-type Electron Donors with a Thiophene, Bithiophene, or Terthiophene Skeleton: Redox Switching of Thiophene π -hienoquinoid Structure Accompanied by UV-Vis/IR Electrochromic Response. <i>Chemistry Letters</i> , 2013 , 42, 1004-1006	1.7	12
75	Tetrathiafulvalene Hybridized with Indacenetetraone as Visible-light-harvesting Electron Acceptor Applicable to Bulk-heterojunction Organic Photovoltaics. <i>Chemistry Letters</i> , 2013 , 42, 1417-1419	1.7	2

74	Oxidative Conversion of Tetraaryldihydrodibenzothiepins into Elemental Sulfur and Stable Cationic Dyes Accompanied by Dual UV-Vis and CD Spectral Changes. <i>Chemistry Letters</i> , 2013 , 42, 706-708	1.7	7
73	Interface Dependence of Charge Formation Dynamics in Hexabenzocoronene. <i>Applied Physics Express</i> , 2012 , 5, 062401	2.4	3
72	Remarkable effects of terminal groups and solvents on helical folding of o-phenylene oligomers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11084-7	16.4	53
71	Wide-range 2D lattice correlation unveiled for columnar assembled triphenylene hexacarboxylic esters. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7990-3	16.4	66
70	Discotic ionic liquid crystals of triphenylene as dispersants for orienting single-walled carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8490-4	16.4	73
69	Supramolecular linear heterojunction composed of graphite-like semiconducting nanotubular segments. <i>Science</i> , 2011 , 334, 340-3	33.3	338
68	Photoconductivity of Self-Assembled Hexabenzocoronene Nanotube: Insight into the Charge Carrier Mobilities on Local and Long-Range Scales. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2549-2554	6.4	36
67	Redox-responsive molecular helices with highly condensed π -clouds. <i>Nature Chemistry</i> , 2011 , 3, 68-73	17.6	179
66	A 4 V Operation, Flexible Braille Display Using Organic Transistors, Carbon Nanotube Actuators, and Organic Static Random-Access Memory. <i>Advanced Functional Materials</i> , 2011 , 21, 4019-4027	15.6	109
65	Magnetic field effect on the photocarriers in self-assembled hexabenzocoronene nanotubes. <i>Synthetic Metals</i> , 2010 , 160, 275-279	3.6	8
64	Large-area three-dimensional molecular ordering of a polymer brush by one-step processing. <i>Science</i> , 2010 , 330, 808-11	33.3	153
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