Kazuo Tanaka

List of Publications by Year in Descending Order

263 papers	8,285 citations	49 h-index	79 g-index
291 ext. papers	9,439 ext. citations	5.1 avg, IF	6.86 L-index

#	Paper	IF	Citations
263	Switching between intramolecular charge transfer and excimer emissions in solids based on aryl-modified ethynyl-o-carboranes. *Cell Reports Physical Science*, **2022**, 3, 100758	6.1	4
262	Controlling the Dual-Emission Character of Aryl-Modified o-Carboranes by Intramolecular CH???O Interaction Sites.. *Chemistry - A European Journal*, **2022**, e202200758	4.8	3
261	Designs for AIE Molecules and Functional Luminescent Materials Based on Boron-containing Element-blocks **2022**, 341-365		
260	Fundamental chemistry and applications of boron complexes having aggregation-induced emission properties **2022**, 23-44		
259	Conformation-Dependent Electron Donation of Nido-Carborane Substituents and Its Influence on Phosphorescence of Tris(2,2?-bipyridyl)ruthenium(II) Complex. *Crystals*, **2022**, 12, 688	2.3	2
258	Modulation of Properties by Ion Changing Based on Luminescent Ionic Salts Consisting of Spirobi(boron ketoiminate). *Molecules*, **2022**, 27, 3438	4.8	0
257	Synthesis, crystal structure, solid-state optical property and C□H activation of sp3 carbon of highly-stable 1-(2?,6?-dimesitylphenyl)-2,3,4,5-tetraphenylborole. *New Journal of Chemistry*, **2021**, 45, 22569-22573	3.6	1
256	Molecular design and application of luminescent materials composed of group 13 elements with an aggregation-induced emission property. *National Science Review*, **2021**, 8, nwab049	10.8	9
255	Paintable Hybrids with Thermally Stable Dual Emission Composed of Tetraphenylethene-Integrated POSS and MEH-PPV for Heat-Resistant White-Light Luminophores. *ACS Applied Materials & Interfaces*, **2021**, 13, 12483-12490	9.5	3
254	Vapochromic Luminescent □Conjugated Systems with Reversible Coordination-Number Control of Hypervalent Tin(IV)-Fused Azobenzene Complexes. *Chemistry - A European Journal*, **2021**, 27, 7561-7571	4.8	3
253	Reversible Vapochromic Luminescence Accompanied by Planar Half-Chair Conformational Change of a Propeller-Shaped Boron □Diketiminate Complex. *Chemistry - A European Journal*, **2021**, 27, 9302-9312	4.8	2
252	Dimerization-Induced Solid-State Excimer Emission Showing Consecutive Thermochromic Luminescence Based on Acridine-Modified -Carboranes. *Inorganic Chemistry*, **2021**, 60, 8990-8997	5.1	6
251	Rational design for thermochromic luminescence in amorphous polystyrene films with bis-o-carborane-substituted enhanced conjugated molecule having aggregation-induced luminochromism. *Aggregate*, **2021**, 2, e93	22.9	5
250	Modulation of stimuli-responsiveness toward acid vapor between real-time and write-erase responses based on conjugated polymers containing azobenzene and Schiff base moieties. *Journal of Polymer Science*, **2021**, 59, 1596-1602	2.4	1
249	The Effect of the Substituent Positions on Self-Assembly Behaviors of Liquid-Crystalline 1,3,4,6,9b-Pentaazaphenalene Derivatives. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 1854-1858	5.1	0
248	Preparation of Near-Infrared Emissive □Conjugated Polymer Films Based on Boron-Fused Azobenzene Complexes with Perpendicularly Protruded Aryl Substituents. *Macromolecular Rapid Communications*, **2021**, 42, e2000566	4.8	9
247	Experimental proof for emission annihilation through bond elongation at the carbon-carbon bond in o-carborane with fused biphenyl-substituted compounds. *Dalton Transactions*, **2021**, 50, 1025-1033	4.3	9

246	Positive Luminescent Sensor for Aerobic Conditions Based on Polyhedral Oligomeric Silsesquioxane Networks. *Chemical Research in Chinese Universities*, **2021**, 37, 162-165	2.2	1
245	Prolongation of the singlet exciton lifetime of nonfullerene acceptor films by the replacement of the central benzene core with naphthalene. *Sustainable Energy and Fuels*, **2021**, 5, 2028-2035	5.8	0
244	Molecular Designs for Solid-State Luminescent Properties and Recent Progresses on the Development of Functional Luminescent Solid Materials **2021**, 309-341		0
243	The effect of alkyl chain lengths on the red-to-near-infrared emission of boron-fused azomethine conjugated polymers and their film-state stimuli-responsivities. *Polymer Chemistry*, **2021**, 12, 2752-2759	4.9	5
242	New Idea for Narrowing an Energy Gap by Selective Perturbation of One Frontier Molecular Orbital. *Chemistry Letters*, **2021**, 50, 269-279	1.7	6
241	Controlling Energy Gaps of Conjugated Polymers by Multi-Fluorinated Boron-Fused Azobenzene Acceptors for Highly Efficient Near-Infrared Emission. *Chemistry - an Asian Journal*, **2021**, 16, 696-703	4.5	5
240	Conjugated Copolymers Composed of Boron Formazanate and Their Application for a Wavelength Converter to Near-Infrared Light. *Macromolecules*, **2021**, 54, 1934-1942	5.5	12
239	Double Heterohelicenes Composed of Benzo[]- and Dibenzo[,]phenoxazine: A Comprehensive Comparison of Their Electronic and Chiroptical Properties. *Journal of Physical Chemistry Letters*, **2021**, 12, 9283-9292	6.4	2
238	Stimuli-Responsive Self-Assembly of Conjugated Liquids Triggers Circularly Polarized Luminescence. *ACS Applied Materials & Interfaces*, **2021**, 13, 47127-47133	9.5	4
237	Discovery of Functional Luminescence Properties Based on Flexible and Bendable Boron-Fused Azomethine/Azobenzene Complexes with O,N,O-Type Tridentate Ligands. *Chemical Record*, **2021**, 21, 1358-1373	6.6	4
236	Enantioselective Synthesis of Triple Helicenes by Cross-Cyclotrimerization of a Helicenyl Aryne and Alkynes via Dynamic Kinetic Resolution. *Journal of the American Chemical Society*, **2020**, 142, 10025-10033	16.4	32
235	Synthesis of fully-fused bisboron azomethine complexes and their conjugated polymers with solid-state near-infrared emission. *Chemical Communications*, **2020**, 56, 6575-6578	5.8	14
234	Near-Infrared Absorptive and Emissive Poly(p-phenylene vinylene) Derivative Containing AzobenzeneBoron Complexes. *Macromolecules*, **2020**, 53, 4524-4532	5.5	17
233	Photoresponsive polymeric actuator cross-linked by an 8-armed polyhedral oligomeric silsesquioxane. *European Polymer Journal*, **2020**, 134, 109806	5.2	4
232	Electronic strain effect on Eu(iii) complexes for enhanced circularly polarized luminescence. *Dalton Transactions*, **2020**, 49, 5352-5361	4.3	10
231	Efficient light-harvesting, energy migration, and charge transfer by nanographene-based nonfullerene small-molecule acceptors exhibiting unusually long excited-state lifetime in the film state. *Chemical Science*, **2020**, 11, 3250-3257	9.4	16
230	Recent Progress in the Development of Solid-State Luminescent o-Carboranes with Stimuli Responsivity. *Angewandte Chemie*, **2020**, 132, 9925-9939	3.6	15
229	Modulation of the solid-state luminescent properties of conjugated polymers by changing the connecting points of flexible boron element blocks. *Polymer Journal*, **2020**, 52, 555-566	2.7	22

228	Enhancing Light-Absorption and Luminescent Properties of Non-Emissive 1,3,4,6,9b-Pentaazaphenalene through Perturbation of Forbidden Electronic Transition by Boron Complexation. *Asian Journal of Organic Chemistry*, **2020**, 9, 259-266	3	10
227	Tuning the NIR Absorption Properties of 1,3,4,6,9b-Pentaazaphenalene Derivatives Through the Spatially Separated Frontier Molecular Orbitals. *European Journal of Organic Chemistry*, **2020**, 2020, 777-783	3.2	8
226	Stimuli-responsive luminochromic polymers consisting of multi-state emissive fused boron ketoiminate. *Polymer Chemistry*, **2020**, 11, 1127-1133	4.9	20
225	Molecular fillers for increasing the refractive index of polystyrene hybrids by chain assembly at polyhedral oligomeric silsesquioxane. *Polymer Journal*, **2020**, 52, 523-528	2.7	4
224	Facile strategy for obtaining luminescent polymorphs based on the chirality of a boron-fused azomethine complex. *Chemical Communications*, **2020**, 56, 15305-15308	5.8	9
223	The Design Strategy for an Aggregation- and Crystallization-Induced Emission-Active Molecule Based on the Introduction of Skeletal Distortion by Boron Complexation with a Tridentate Ligand. *Crystals*, **2020**, 10, 615	2.3	13
222	High Refractive-Index Hybrids Consisting of Water-Soluble Matrices with Bipyridine-Modified Polyhedral Oligomeric Silsesquioxane and Lanthanoid Cations. *Polymers*, **2020**, 12,	4.5	2
221	Chiral lanthanide lumino-glass for a circularly polarized light security device. *Communications Chemistry*, **2020**, 3,	6.3	17
220	Efficient Exciton Diffusion in Micrometer-Sized Domains of Nanographene-Based Nonfullerene Acceptors with Long Exciton Lifetimes in Blend Films with Conjugated Polymer. *ACS Applied Materials & Interfaces*, **2020**, 12, 39236-39244	9.5	5
219	Development of the sensitizer for generating higher-energy photons under diluted condition via the triplet-triplet annihilation-supported upconversion. *Dyes and Pigments*, **2020**, 172, 107821	4.6	7
218	Design for multi-step mechanochromic luminescence property by enhancement of environmental sensitivity in a solid-state emissive boron complex. *Materials Chemistry Frontiers*, **2020**, 4, 1781-1788	7.8	15
217	Recent Progress in the Development of Solid-State Luminescent o-Carboranes with Stimuli Responsivity. *Angewandte Chemie - International Edition*, **2020**, 59, 9841-9855	16.4	81
216	Preparation of bright-emissive hybrid materials based on light-harvesting POSS having radially integrated luminophores and commercial π-conjugated polymers. *Materials Chemistry Frontiers*, **2019**, 3, 314-320	7.8	10
215	Independently Tuned Frontier Orbital Energy Levels of 1,3,4,6,9b-Pentaazaphenalene Derivatives by the Conjugation Effect. *Journal of Organic Chemistry*, **2019**, 84, 2768-2778	4.2	10
214	Near-Infrared Circularly Polarized Luminescence through Intramolecular Excimer Formation of Oligo(p-phenyleneethynylene)-Based Double Helicates. *Chemistry - A European Journal*, **2019**, 25, 9122-9122	4.8	
213	Construction of the Luminescent Donor–Acceptor Conjugated Systems Based on Boron-Fused Azomethine Acceptor. *Macromolecules*, **2019**, 52, 3387-3393	5.5	21
212	Time-Dependent Emission Enhancement of the Ethynylpyrene-o-Carborane Dyad and Its Application as a Luminescent Color Sensor for Evaluating Water Contents in Organic Solvents. *Chemistry - an Asian Journal*, **2019**, 14, 1577-1581	4.5	20
211	Improvement of Solid-State Excimer Emission of the Aryl-Ethynyl-o-Carborane Skeleton by Acridine Introduction. *European Journal of Organic Chemistry*, **2019**, 2019, 2984-2988	3.2	16

210	Near-Infrared Circularly Polarized Luminescence through Intramolecular Excimer Formation of Oligo(p-phenyleneethynylene)-Based Double Helicates. *Chemistry - A European Journal*, **2019**, 25, 9211-9216	4.8	19
209	Elastic and mechanofluorochromic hybrid films with POSS-capped polyurethane and polyfluorene. *Materials Chemistry Frontiers*, **2019**, 3, 1174-1180	7.8	22
208	Oxygen-Resistant Electrochemiluminescence System with Polyhedral Oligomeric Silsesquioxane. *Polymers*, **2019**, 11,	4.5	5
207	Stretchable Conductive Hybrid Films Consisting of Cubic Silsesquioxane-capped Polyurethane and Poly(3-hexylthiophene). *Polymers*, **2019**, 11,	4.5	7
206	Characterization and Photophysical Properties of a Luminescent Aluminum Hydride Complex Supported by a -Diketiminate Ligand. *Inorganics*, **2019**, 7, 100	2.9	13
205	Tuning of Sensitivity in Thermochromic Luminescence by Regulating Molecular Rotation Based on Triphenylamine-Substituted o-Carboranes. *Asian Journal of Organic Chemistry*, **2019**, 8, 2228-2232	3	18
204	Rational Designs of AIE-Active Molecules and Luminochromic Materials Based on Group 13 Element-Containing Element-Blocks **2019**, 27-42		1
203	Recent Progress in the Development of Optoelectronic Materials Based on Group 13 Element-containing Conjugated Polymers **2019**, 489-515		
202	Element-Block Materials: New Concept for the Development of Advanced Hybrids and Inorganic Polymers **2019**, 3-25		1
201	An optical sensor for discriminating the chemical compositions and sizes of plastic particles in water based on water-soluble networks consisting of polyhedral oligomeric silsesquioxane presenting dual-color luminescence. *Materials Chemistry Frontiers*, **2019**, 3, 2690-2695	7.8	8
200	Concept of Excitation-Driven Boron Complexes and Their Applications for Functional Luminescent Materials. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 7-18	5.1	58
199	Unique Substitution Effect at 5,5-Positions of Fused Azobenzene-Boron Complexes with a N=N -Conjugated System. *Chemistry - an Asian Journal*, **2019**, 14, 1837-1843	4.5	12
198	Design of Thermochromic Luminescent Dyes Based on the Bis(ortho-carborane)-Substituted Benzobithiophene Structure. *Chemistry - an Asian Journal*, **2019**, 14, 789-795	4.5	18
197	Design of Conjugated Molecules Presenting Short-Wavelength Luminescence by Utilizing Heavier Atoms of the Same Element Group. *Chemistry - an Asian Journal*, **2018**, 13, 1342-1347	4.5	13
196	A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double-Bond -Conjugated System Based on a Fused Azobenzene-Boron Complex. *Angewandte Chemie - International Edition*, **2018**, 57, 6546-6551	16.4	58
195	Enhancement of Luminescence Efficiencies by Thermal Rearrangement from ortho- to meta-Carborane in Bis-Carborane-Substituted Acenes. *European Journal of Organic Chemistry*, **2018**, 2018, 1885-1890	3.2	18
194	Dual emission via remote control of molecular rotation of o-carborane in the excited state by the distant substituents in tolane-modified dyads. *New Journal of Chemistry*, **2018**, 42, 4210-4214	3.6	21
193	Modulation of luminescence chromic behaviors and environment-responsive intensity changes by substituents in bis-o-carborane-substituted conjugated molecules. *Materials Chemistry Frontiers*, **2018**, 2, 573-579	7.8	47

192	Modulation of the cis- and trans-Conformations in Bis-o-carborane Substituted Benzodithiophenes and Emission Enhancement Effect on Luminescent Efficiency by Solidification. *European Journal of Organic Chemistry*, **2018**, 2018, 1507-1512	3.2	25
191	Synthesis of a near-infrared light-absorbing polymer based on thiophene-substituted Aza-BODIPY. *Polymer Journal*, **2018**, 50, 271-275	2.7	11
190	Synthesis, properties and structure of borafluorene-based conjugated polymers with kinetically and thermodynamically stabilized tetracoordinated boron atoms. *Polymer Journal*, **2018**, 50, 197-202	2.7	14
189	A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double-Bond–Conjugated System Based on a Fused Azobenzene–Boron Complex. *Angewandte Chemie*, **2018**, 130, 6656-6661	3.6	15
188	Control of solution and solid-state emission with conjugated polymers based on the boron pyridinoiminate structure by ring fusion. *Polymer*, **2018**, 142, 127-131	3.9	6
187	Luminescent color tuning with polymer films composed of boron diiminate conjugated copolymers by changing the connection points to comonomers. *Polymer Chemistry*, **2018**, 9, 1942-1946	4.9	19
186	Recent progress in the development of advanced element-block materials. *Polymer Journal*, **2018**, 50, 109-126	2.7	94
185	Comparison of luminescent properties of helicene-like bibenzothiophenes with o-carborane and 5,6-dicarba-nido-decaborane. *Science China Chemistry*, **2018**, 61, 940-946	7.9	17
184	Control of intramolecular excimer emission in luminophore-integrated ionic POSSs possessing flexible side-chains. *Materials Chemistry Frontiers*, **2018**, 2, 1449-1455	7.8	18
183	Self-assembly of [Au(CN)2]–Complexes with Tomato (Solanum lycopersicum) Steroidal Alkaloid Glycosides to Form Sheet or Tubular Structures. *Chemistry Letters*, **2018**, 47, 1010-1013	1.7	3
182	Development of Optical Sensor for Discriminating Particle Sizes. *Hosokawa Powder Technology Foundation ANNUAL REPORT*, **2018**, 26, 100-104	0	
181	Optical, Electrical and Thermal Properties of Organic?Inorganic Hybrids with Conjugated Polymers Based on POSS Having Heterogeneous Substituents. *Polymers*, **2018**, 11,	4.5	9
180	Fluoroalkyl POSS with Dual Functional Groups as a Molecular Filler for Lowering Refractive Indices and Improving Thermomechanical Properties of PMMA. *Polymers*, **2018**, 10,	4.5	6
179	Electronic chirality inversion of lanthanide complex induced by achiral molecules. *Scientific Reports*, **2018**, 8, 16395	4.9	15
178	Spiral Eu(iii) coordination polymers with circularly polarized luminescence. *Chemical Communications*, **2018**, 54, 10695-10697	5.8	29
177	Pure-color and dual-color emission from BODIPY homopolymers containing the cardo boron structure. *Polymer Chemistry*, **2018**, 9, 3917-3921	4.9	5
176	Extended germa[N]pericyclynes: synthesis and characterization. *Dalton Transactions*, **2017**, 46, 2281-2288	4.3	7
175	Creative Synthesis of Organic–Inorganic Molecular Hybrid Materials. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 463-474	5.1	67

174	Synthesis of POSS Derivatives Having Dual Types of Alkyl Substituents and Their Application as a Molecular Filler for Low-Refractive and Highly Durable Materials. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 205-209	5.1	30
173	Development of highly-sensitive detection system in F NMR for bioactive compounds based on the assembly of paramagnetic complexes with fluorinated cubic silsesquioxanes. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 1389-1393	3.4	15
172	Construction and properties of a light-harvesting antenna system for phosphorescent materials based on oligofluorene-tethered Pt□orphyrins. *RSC Advances*, **2017**, 7, 10869-10874	3.7	7
171	Oxygen-Bridged Diphenylnaphthylamine as a Scaffold for Full-Color Circularly Polarized Luminescent Materials. *Journal of Organic Chemistry*, **2017**, 82, 5242-5249	4.2	49
170	Development of emissive aminopentaazaphenalene derivatives employing a design strategy for obtaining luminescent conjugated molecules by modulating the symmetry of molecular orbitals with substituent effects. *Chemical Communications*, **2017**, 53, 5036-5039	5.8	10
169	Arene-Inserted Extended Germa[n]pericyclynes: Synthesis, Structure, and Phosphorescence Properties. *Chemistry - A European Journal*, **2017**, 23, 10080-10086	4.8	6
168	Diarylamino- and Diarylboryl-Substituted Donor-Acceptor Pyrene Derivatives: Influence of Substitution Pattern on Their Photophysical Properties. *Journal of Organic Chemistry*, **2017**, 82, 5111-5121	4.2	41
167	Development of the optical sensor for discriminating isomers of fatty acids based on emissive network polymers composed of polyhedral oligomeric silsesquioxane. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 3431-3436	3.4	17
166	Solid-State Emission of the Anthracene-o-Carborane Dyad from the Twisted-Intramolecular Charge Transfer in the Crystalline State. *Angewandte Chemie - International Edition*, **2017**, 56, 254-259	16.4	235
165	Solid-State Emission of the Anthracene-o-Carborane Dyad from the Twisted-Intramolecular Charge Transfer in the Crystalline State. *Angewandte Chemie*, **2017**, 129, 260-265	3.6	56
164	Development of solid-state emissive o-carboranes and theoretical investigation of the mechanism of the aggregation-induced emission behaviors of organoboron "element-blocks". *Faraday Discussions*, **2017**, 196, 31-42	3.6	59
163	A Flexible, Fused, Azomethine-Boron Complex: Thermochromic Luminescence and Thermosalient Behavior in Structural Transitions between Crystalline Polymorphs. *Chemistry - A European Journal*, **2017**, 23, 11827-11833	4.8	73
162	Design and Luminescence Chromism of Fused Boron Complexes Having Constant Emission Efficiencies in Solution and in the Amorphous and Crystalline States. *European Journal of Organic Chemistry*, **2017**, 2017, 5191-5196	3.2	35
161	Synthesis of furan-substituted aza-BODIPYs having near-infrared emission. *Tetrahedron Letters*, **2017**, 58, 2989-2992	2	15
160	POSS-based molecular fillers for simultaneously enhancing thermal and viscoelasticity of poly(methyl methacrylate) films. *Materials Letters*, **2017**, 203, 62-67	3.3	25
159	Control of aggregation-induced emission versus fluorescence aggregation-caused quenching by bond existence at a single site in boron pyridinoiminate complexes. *Materials Chemistry Frontiers*, **2017**, 1, 1573-1579	7.8	92
158	Front Cover: Design and Luminescence Chromism of Fused Boron Complexes Having Constant Emission Efficiencies in Solution and in the Amorphous and Crystalline States (Eur. J. Org. Chem. 35/2017). *European Journal of Organic Chemistry*, **2017**, 2017, 5178-5178	3.2	
157	Development and Applications of Designable Hybrids Based on POSS “Element-Blocks”. *Kobunshi Ronbunshu*, **2017**, 74, 145-161	0	

156	Design of bond-cleavage-induced intramolecular charge transfer emission with dibenzoboroles and their application to ratiometric sensors for discriminating chain lengths of alkanes. *Materials Chemistry Frontiers*, **2017**, 1, 2368-2375	7.8	38
155	Solid-State Thermochromic Luminescence through Twisted Intramolecular Charge Transfer and Excimer Formation of a Carborane–Pyrene Dyad with an Ethynyl Spacer. *Asian Journal of Organic Chemistry*, **2017**, 6, 1818-1822	3	41
154	Highly-efficient solid-state emissions of anthracene–o-carborane dyads with various substituents and their thermochromic luminescence properties. *Journal of Materials Chemistry C*, **2017**, 5, 10047-10054	7.1	69
153	Electron-donating abilities and luminescence properties of tolane-substituted nido-carboranes. *New Journal of Chemistry*, **2017**, 41, 10550-10554	3.6	31
152	Luminescence Color Tuning from Blue to Near Infrared of Stable Luminescent Solid Materials Based on Bis-o-Carborane-Substituted Oligoacenes. *Chemistry - an Asian Journal*, **2017**, 12, 2134-2138	4.5	49
151	Heat-Resistant Mechanoluminescent Chromism of the Hybrid Molecule Based on Boron Ketoiminate Modified Octasubstituted Polyhedral Oligomeric Silsesquioxane. *Chemistry - A European Journal*, **2017**, 23, 1409-1414	4.8	47
150	Enhancement of Aggregation-Induced Emission by Introducing Multiple o-Carborane Substitutions into Triphenylamine. *Molecules*, **2017**, 22,	4.8	37
149	Synthesis of Aggregation-Induced Emission-Active Conjugated Polymers Composed of Group 13 Diiminate Complexes with Tunable Energy Levels via Alteration of Central Element. *Polymers*, **2017**, 9,	4.5	18
148	Construction of a Conjugation Systemwith Heteroatoms in Polymer MainChains **2017**, 413-437		
147	Preparation of photo-responsive hybrid materials based on hydrogels involving imidazolium-presenting gold nanoparticles. *Polymer Journal*, **2016**, 48, 177-181	2.7	1
146	Controllable intramolecular interaction of 3D arranged π-conjugated luminophores based on a POSS scaffold, leading to highly thermally-stable and emissive materials. *RSC Advances*, **2016**, 6, 78652-78660	3.7	24
145	Synthesis and Characterization of Ethynylated Germa[4]pericyclyne. *Chemistry Letters*, **2016**, 45, 782-784	1.7	7
144	Polystyrene–Polyhedral Oligomeric Silsesquioxane Core–Shell Element-block Polymer Particles Fabricated via Heterocoagulation Method. *Chemistry Letters*, **2016**, 45, 1168-1170	1.7	1
143	Tunable Optical Property between Pure Red Luminescence and Dual Emission Depended on the Length of Light-Harvesting Antennae in the Dyads Containing the Cardo Structure of BODIPY and Oligofluorene. *Macromolecules*, **2016**, 49, 8899-8904	5.5	18
142	Macromol. Chem. Phys. 3/2016. *Macromolecular Chemistry and Physics*, **2016**, 217, 520-520	2.6	
141	Sponge-Type Emissive Chemosensors for the Protein Detection Based on Boron Ketoiminate-Modifying Hydrogels with Aggregation-Induced Blueshift Emission Property. *Macromolecular Chemistry and Physics*, **2016**, 217, 414-421	2.6	41
140	Synthesis and properties of highly-rigid conjugation system based on bi(benzo[b]thiophene)-fused o-carborane. *Tetrahedron Letters*, **2016**, 57, 2025-2028	2	31
139	Size-discrimination of volatile organic compounds utilizing gallium diiminate by luminescent chromism of crystallization-induced emission via encapsulation-triggered crystal–crystal transition. *Journal of Materials Chemistry C*, **2016**, 4, 5564-5571	7.1	38

138	Preservation of main-chain conjugation through BODIPY-containing alternating polymers from electronic interactions with side-chain substituents by cardo boron structures. *Polymer Chemistry*, **2016**, 7, 2799-2807	4.9	23
137	Color tuning of alternating conjugated polymers composed of pentaazaphenalene by modulating their unique electronic structures involving isolated-LUMOs. *Polymer Chemistry*, **2016**, 7, 3674-3680	4.9	11
136	Modulation of sensitivity to mechanical stimulus in mechanofluorochromic properties by altering substituent positions in solid-state emissive diiodo boron diiminates. *Journal of Materials Chemistry C*, **2016**, 4, 5314-5319	7.1	59
135	Luminescent Organoboron Element-Blocks Exhibiting AIE Properties. *ACS Symposium Series*, **2016**, 157-174	0.4	3
134	Remarkably high miscibility of octa-substituted POSS with commodity conjugated polymers and molecular fillers for the improvement of homogeneities of polymer matrices. *Polymer Journal*, **2016**, 48, 1133-1139	2.7	25
133	Development of Solid-State Emissive Materials Based on Multifunctional o-Carborane-Pyrene Dyads. *Organic Letters*, **2016**, 18, 4064-7	6.2	101
132	Film-type chemosensors based on boron diiminate polymers having oxidation-induced emission properties. *Polymer Chemistry*, **2015**, 6, 5590-5595	4.9	56
131	Synthesis of a platinum diketonate-containing polymer showing oxygen-resistant phosphorescence. *Macromolecular Rapid Communications*, **2015**, 36, 684-8	4.8	3
130	High HOMO levels and narrow energy band gaps of dithienogalloles. *RSC Advances*, **2015**, 5, 55406-55410	3.7	13
129	Facile design of organic-inorganic hybrid gels for molecular recognition of nucleoside triphosphates. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 2050-5	2.9	20
128	Synthesis and characterization of heterofluorenes containing four-coordinated group 13 elements: theoretical and experimental analyses and comparison of structures, optical properties and electronic states. *Dalton Transactions*, **2015**, 44, 8697-707	4.3	34
127	Mechanofluorochromic materials based on aggregation-induced emission-active boron ketoiminates: regulation of the direction of the emission color changes. *Chemistry - A European Journal*, **2015**, 21, 7231-7	4.8	153
126	Synthesis of air- and moisture-stable dibenzogallepins: control of planarity of seven-membered rings in solid states by coordination to gallium atoms. *Organic Letters*, **2015**, 17, 1593-6	6.2	18
125	Synthesis of emissive water-soluble network polymers based on polyhedral oligomeric silsesquioxane and their application as optical sensors for discriminating the particle size. *Journal of Materials Chemistry C*, **2015**, 3, 12539-12545	7.1	22
124	Simple and valid strategy for the enhancement of the solid-emissive property of boron dipyrromethenes. *Tetrahedron Letters*, **2015**, 56, 6786-6790	2	28
123	Energy transfer through heterogeneous dyes-substituted fluorene-containing alternating copolymers and their dual-emission properties in the films. *Journal of Polymer Science Part A*, **2015**, 53, 2026-2035	2.5	17
122	Fluorescence and phosphorescence study of germanium-acetylene polymers and germa[N]pericyclynes. *Polymer Chemistry*, **2015**, 6, 7495-7499	4.9	12
121	Control of interparticle spacing in stable aggregates of gold nanoparticles by light irradiation. *Polymer Journal*, **2015**, 47, 747-752	2.7	3

120	Integration of benzo[h]quinoline and π-extended dibenzo[b,f]silepins on pentacoordinate silicon. *RSC Advances*, **2015**, 5, 23331-23339	3.7	3
119	Liquid scintillators with near infrared emission based on organoboron conjugated polymers. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 5331-4	2.9	19
118	Synthesis and Characterization of Heterofluorenes with Five-coordinated Group 13 Elements. *Chemistry Letters*, **2015**, 44, 1658-1660	1.7	9
117	New Polymeric Materials Based on Element-Blocks. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 633-643	5.1	266
116	Synthesis of π-Conjugated Polymers Containing Dibenzosilepin Moieties with Pentacoordinate Silicon. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 1350-1355	5.1	3
115	Recent progress of optical functional nanomaterials based on organoboron complexes with β-diketonate, ketoiminate and diiminate. *NPG Asia Materials*, **2015**, 7, e223-e223	10.3	125
114	Synthesis and color tuning of boron diiminate conjugated polymers with aggregation-induced scintillation properties. *RSC Advances*, **2015**, 5, 96653-96659	3.7	22
113	POSS ionic liquid crystals. *NPG Asia Materials*, **2015**, 7, e174-e174	10.3	36
112	Fragmentation patterns of methyloxime-trimethylsilyl derivatives of constitutive mono- and disaccharide isomers analyzed by gas chromatography/field ionization mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2015**, 29, 238-46	2.2	7
111	Synthesis of dual-emissive polymers based on ineffective energy transfer through cardo fluorene-containing conjugated polymers. *Polymer*, **2015**, 60, 228-233	3.9	24
110	Synthesis and Characterization of Gallafluorene-Containing Conjugated Polymers: Control of Emission Colors and Electronic Effects of Gallafluorene Units on π-Conjugation System. *Macromolecules*, **2015**, 48, 1343-1351	5.5	30
109	Development of Modified Silica Nanoparticles Working as a Heat Source under Microwave Irradiation. *Hosokawa Powder Technology Foundation ANNUAL REPORT*, **2015**, 23, 100-104	0	
108	Regulation of responsiveness of phosphorescence toward dissolved oxygen concentration by modulating polymer contents in organic-inorganic hybrid materials. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 3141-5	3.4	12
107	Conjugated Polymers Based on Tautomeric Units: Regulation of Main-Chain Conjugation and Expression of Aggregation Induced Emission Property via Boron-Complexation. *Macromolecules*, **2014**, 47, 2268-2278	5.5	74
106	π-Conjugated Polymers Composed of BODIPY or Aza-BODIPY Derivatives Exhibiting High Electron Mobility and Low Threshold Voltage in Electron-Only Devices. *Macromolecules*, **2014**, 47, 2316-2323	5.5	69
105	Enhancement of dye dispersibility in silica hybrids through local heating induced by the Imidazolium group under microwave irradiation. *Polymer Journal*, **2014**, 46, 195-199	2.7	17
104	Boron diiminate with aggregation-induced emission and crystallization-induced emission-enhancement characteristics. *Chemistry - A European Journal*, **2014**, 20, 8320-4	4.8	133
103	Preparation of environmentally resistant conductive silica-based polymer hybrids containing tetrathiafulvalene–tetracyanoquinodimethane charge-transfer complexes. *Polymer Journal*, **2014**, 46, 800-805	2.7	13

102	Adamantane ionic liquids. *RSC Advances*, **2014**, 4, 28107	3.7	10
101	Synthesis of dual-emissive organometallic complexes containing heterogeneous metal elements. *Tetrahedron Letters*, **2014**, 55, 6477-6481	2	13
100	Boron-ketoiminate-based polymers: fine-tuning of the emission color and expression of strong emission both in the solution and film States. *Macromolecular Rapid Communications*, **2014**, 35, 1315-9	4.8	51
99	Light-driven artificial enzymes for selective oxidation of guanosine triphosphate using water-soluble POSS network polymers. *Organic and Biomolecular Chemistry*, **2014**, 12, 6500-6	3.9	24
98	Synthesis of sulfonic acid-containing POSS and its filler effects for enhancing thermal stabilities and lowering melting temperatures of ionic liquids. *Journal of Materials Chemistry A*, **2014**, 2, 624-630	13	49
97	Production of three radical cations from a single photon using a photo acid generator. *Tetrahedron Letters*, **2014**, 55, 1635-1639	2	6
96	Transformation of sulfur to organic□inorganic hybrids employed by networks and their application for the modulation of refractive indices. *Journal of Polymer Science Part A*, **2014**, 52, 2588-2595	2.5	29
95	Microwave-driven enzyme deactivation using imidazolium salt-presenting silica nanoparticles. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 4622-4625	2.9	3
94	Synthetic Strategy for Low-Band Gap Oligomers and Homopolymers Using Characteristics of Thiophene-Fused Boron Dipyrromethene. *Macromolecules*, **2014**, 47, 3755-3760	5.5	38
93	Photo-triggered molecular release based on auto-degradable polymer-containing organic-inorganic hybrids. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 3435-40	3.4	17
92	Self-Assembled Dimerization of Bis(crown ether)-2,2?-bibenzimidazoles. *Bulletin of the Chemical Society of Japan*, **2014**, 87, 88-97	5.1	
91	Functionalization of boron diiminates with unique optical properties: multicolor tuning of crystallization-induced emission and introduction into the main chain of conjugated polymers. *Journal of the American Chemical Society*, **2014**, 136, 18131-9	16.4	262
90	Construction of multi-N-heterocycle-containing organic solvent-soluble polymers with 1,3,4,6,9b-pentaazaphenalene. *Polymer Journal*, **2014**, 46, 688-693	2.7	9
89	Synthesis of conjugated polymers containing gallium atoms and evaluation of conjugation through four-coordinate gallium atoms. *Chemical Communications*, **2014**, 50, 15740-3	5.8	23
88	Design of functionalized nanoparticles for the applications in nanobiotechnology. *Advanced Powder Technology*, **2014**, 25, 101-113	4.6	11
87	Rapid heat generation under microwave irradiation by imidazolium-presenting silica nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 428, 65-69	5.1	10
86	Efficient light absorbers based on thiophene-fused boron dipyrromethene (BODIPY) dyes. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 2715-9	3.4	40
85	Preparation of flexible conductive films based on polymer composites with tetrathiafulvalene nanowires. *Synthetic Metals*, **2013**, 180, 49-53	3.6	4

84	Unique properties of amphiphilic POSS and their applications. *Polymer Journal*, **2013**, 45, 247-254	2.7	56
83	POSS fillers for modulating the thermal properties of ionic liquids. *RSC Advances*, **2013**, 3, 2422	3.7	41
82	Heat-initiated detection for reduced glutathione with □F NMR probes based on modified gold nanoparticles. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 281-6	2.9	11
81	Synthesis of highly transparent conductive films with strong absorption in near-infrared region based on tetrathiafulvalene-tethered pendant-type polymers. *Synthetic Metals*, **2013**, 163, 13-18	3.6	10
80	Highly emissive boron ketoiminate derivatives as a new class of aggregation-induced emission fluorophores. *Chemistry - A European Journal*, **2013**, 19, 4506-12	4.8	167
79	Effective Light-Harvesting Antennae Based on BODIPY-Tethered Cardo Polyfluorenes via Rapid Energy Transferring and Low Concentration Quenching. *Macromolecules*, **2013**, 46, 2599-2605	5.5	54
78	Highly near-infrared emissive boron di(iso)indomethene-based polymer: Drastic change from deep-red to near-infrared emission via quantitative polymer reaction. *Journal of Polymer Science Part A*, **2013**, 51, 1726-1733	2.5	45
77	Synthesis and optical properties of stable gallafluorene derivatives: investigation of their emission via triplet states. *Journal of the American Chemical Society*, **2013**, 135, 4211-4	16.4	35
76	Synthesis and tuning of optical properties of conjugated polymers involving benzo[h]quinoline-based neutral pentacoordinate organosilicon complexes in the main chain. *Polymer Chemistry*, **2013**, 4, 5237	4.9	15
75	Facile Modulation of Optical Properties of Diketonate-Containing Polymers by Regulating Complexation Ratios with Boron. *Macromolecules*, **2013**, 46, 2969-2975	5.5	63
74	Synthesis of dibenzo[b,f]silepins with a benzoquinolyl ligand. *Organic Letters*, **2013**, 15, 2366-9	6.2	16
73	Efficient simultaneous emission from RGB-emitting organoboron dyes incorporated into organic□inorganic hybrids and preparation of white light-emitting materials. *Journal of Materials Chemistry C*, **2013**, 1, 4437	7.1	66
72	Hypoxic condition-selective upconversion via triplet-triplet annihilation based on POSS-core dendrimer complexes. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 2678-81	3.4	30
71	Rational design of polyhedral oligomeric silsesquioxane fillers for simultaneous improvements of thermomechanical properties and lowering refractive indices of polymer films. *Journal of Polymer Science Part A*, **2013**, 51, 3583-3589	2.5	33
70	Catch and release with DNA by imidazolium-presenting iron oxide nanoparticles via anion exchange. *Composite Interfaces*, **2013**, 20, 27-32	2.3	8
69	Chemicals-Inspired Biomaterials: Developing Biomaterials Inspired by Material Science Based on POSS. *Bulletin of the Chemical Society of Japan*, **2013**, 86, 1231-1239	5.1	48
68	Development of Organic-Inorganic Hybrid Materials. *Journal of the Society of Powder Technology, Japan*, **2013**, 50, 670-681	0.3	
67	Heavy metal-free 19F NMR probes for quantitative measurements of glutathione reductase activity using silica nanoparticles as a signal quencher. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 96-100	3.4	30

66	Enhancement of optical properties of dyes for bioprobes by freezing effect of molecular motion using POSS-core dendrimers. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 915-9	3.4	32
65	Enhancement of affinity in molecular recognition via hydrogen bonds by POSS-core dendrimer and its application for selective complex formation between guanosine triphosphate and 1,8-naphthyridine derivatives. *Organic and Biomolecular Chemistry*, **2012**, 10, 90-5	3.9	39
64	Synthesis of benzo[h]quinoline-based neutral pentacoordinate organosilicon complexes. *Chemical Communications*, **2012**, 48, 8541-3	5.8	18
63	Advanced functional materials based on polyhedral oligomeric silsesquioxane (POSS). *Journal of Materials Chemistry*, **2012**, 22, 1733-1746		387
62	Tumor cell-specific prodrugs using arsonic acid-presenting iron oxide nanoparticles with high sensitivity. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 4675-9	3.4	9
61	Reduced glutathione-resisting □F NMR sensors for detecting HNO. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 4668-74	3.4	26
60	Isolation of □conjugated system through polyfluorene from electronic coupling with side-chain substituents by cardo structures. *Journal of Polymer Science Part A*, **2012**, 50, 4433-4442	2.5	24
59	Synthesis of □conjugated polymers containing aminoquinoline-borafluorene complexes in the main-chain. *Macromolecular Rapid Communications*, **2012**, 33, 550-5	4.8	22
58	Advanced luminescent materials based on organoboron polymers. *Macromolecular Rapid Communications*, **2012**, 33, 1235-55	4.8	184
57	Regulation of dispersion/aggregation of phosphonium-presenting iron oxide nanoparticles by anion exchange. *Composite Interfaces*, **2012**, 19, 557-564	2.3	1
56	Developments of Molecular Probes for Detecting Biological Events Based on Polymeric Materials. *Kobunshi Ronbunshu*, **2012**, 69, 468-484	0	
55	Thermodynamic study of POSS-based ionic liquids with various numbers of ion pairs. *Polymer Journal*, **2011**, 43, 708-713	2.7	48
54	Reductive Glutathione-Responsive Molecular Release Using Water-Soluble POSS Network Polymers. *Bulletin of the Chemical Society of Japan*, **2011**, 84, 612-616	5.1	30
53	Preparation of clusters having various interparticle distances based on imidazolium-modified gold nanoparticles via anion exchange. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2011**, 390, 126-133	5.1	12
52	Conductivity regulation of the mixed-valence tetrathiafulvalene nanowire/poly(methyl methacrylate) composites using heterogeneous tetrathiafulvalene derivatives. *Journal of Materials Chemistry*, **2011**, 21, 9603		14
51	Bimodal quantitative monitoring for enzymatic activity with simultaneous signal increases in 19F NMR and fluorescence using silica nanoparticle-based molecular probes. *Bioconjugate Chemistry*, **2011**, 22, 1484-90	6.3	46
50	Arsonic acid-presenting superparamagnetic iron oxide for pH-responsive aggregation under slightly acidic conditions. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 2282-6	3.4	11
49	Environment-responsive upconversion based on dendrimer-supported efficient triplet-triplet annihilation in aqueous media. *Chemical Communications*, **2010**, 46, 4378-80	5.8	84

48	Biodegradable Main-Chain Phosphate-Caged Fluorescein Polymers for the Evaluation of Enzymatic Activity. *Macromolecules*, **2010**, 43, 6180-6184	5.5	15
47	Preparation for highly sensitive MRI contrast agents using core/shell type nanoparticles consisting of multiple SPIO cores with thin silica coating. *Langmuir*, **2010**, 26, 11759-62	4	53
46	Photoinduced radical generation and self-assembly of tetrathiafulvalene into the mixed-valence state in the poly(vinyl chloride) film under UV irradiation. *Langmuir*, **2010**, 26, 1152-6	4	9
45	POSS Ionic Liquid. *Journal of the American Chemical Society*, **2010**, 132, 17649-51	16.4	143
44	Facile preparation of concentration-gradient materials with radical spin of the mixed-valence tetrathiafulvalene in conventional polymer films. *Langmuir*, **2010**, 26, 10254-8	4	12
43	Side-chain effect of octa-substituted POSS fillers on refraction in polymer composites. *Journal of Polymer Science Part A*, **2010**, 48, 5712-5717	2.5	50
42	Acceleration of guanine oxidation under visible light irradiation by photon upconversion based on triplet-triplet annihilation. *Nucleic Acids Symposium Series*, **2009**, 183-4		1
41	Structure□property relationship of octa-substituted POSS in thermal and mechanical reinforcements of conventional polymers. *Journal of Polymer Science Part A*, **2009**, 47, 5690-5697	2.5	114
40	Transparent conductive films based on polymer composites containing the mixed-valence tetrathiafulvalene nanofibers. *Journal of Polymer Science Part A*, **2009**, 47, 6441-6450	2.5	10
39	Reversible signal regulation system of 19F NMR by redox reactions using a metal complex as a switching module. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 3818-23	3.4	41
38	Preparation and fluorescence properties of fluorophore-labeled avidin-biotin system immobilized on Fe3O4 nanoparticles through functional indolequinone linker. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 3775-81	3.4	28
37	Improving Proton Relaxivity of Dendritic MRI Contrast Agents by Rigid Silsesquioxane Core. *Polymer Journal*, **2009**, 41, 287-292	2.7	35
36	Monitoring of biological one-electron reduction by (19)F NMR using hypoxia selective activation of an (19)F-labeled indolequinone derivative. *Journal of the American Chemical Society*, **2009**, 131, 15982-3	16.4	63
35	Modulation of morphology and conductivity of mixed-valence tetrathiafulvalene nanofibers by coexisting organic acid anions. *Langmuir*, **2009**, 25, 6929-33	4	39
34	Tuning of Properties of POSS-Condensed Water-Soluble Network Polymers by Modulating the Cross-Linking Ratio between POSS. *Macromolecules*, **2009**, 42, 3489-3492	5.5	62
33	Multi-modal 19F NMR probe using perfluorinated cubic silsesquioxane-coated silica nanoparticles for monitoring enzymatic activity. *Chemical Communications*, **2008**, 6176-8	5.8	61
32	Enhancement of entrapping ability of dendrimers by a cubic silsesquioxane core. *Organic and Biomolecular Chemistry*, **2008**, 6, 3899-901	3.9	76
31	Properties of superparamagnetic iron oxide nanoparticles assembled on nucleic acids. *Nucleic Acids Symposium Series*, **2008**, 693-4		10

30	Design of a pyrene-containing fluorescence probe for labeling of RNA poly(A) tracts. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 400-4	3.4	10
29	Ratiometric multimodal chemosensors based on cubic silsesquioxanes for monitoring solvent polarity. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 10029-33	3.4	39
28	Assembly system of direct modified superparamagnetic iron oxide nanoparticles for target-specific MRI contrast agents. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 5463-5	2.9	24
27	Water-soluble anionic POSS-core dendrimer: synthesis and copper(II) complexes in aqueous solution. *Langmuir*, **2007**, 23, 9057-63	4	78
26	An osmium-DNA interstrand complex: application to facile DNA methylation analysis. *Journal of the American Chemical Society*, **2007**, 129, 14511-7	16.4	72
25	Production of radical species and modification of DNA through one-electron reduction with indium metal. *Tetrahedron Letters*, **2007**, 48, 3167-3169	2	6
24	Methylcytosine-selective fluorescence quenching by osmium complexation. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 1615-21	3.4	18
23	Degradation of DNA by bisulfite treatment. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 1912-5	2.9	140
22	PRODAN-conjugated DNA: synthesis and photochemical properties. *Journal of the American Chemical Society*, **2007**, 129, 4776-84	16.4	95
21	Direct labeling of 5-methylcytosine and its applications. *Journal of the American Chemical Society*, **2007**, 129, 5612-20	16.4	86
20	Artificial Nucleobases for Hole Transport. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2007**, 65, 204-215	0.2	1
19	Public-key system using DNA as a one-way function for key distribution. *BioSystems*, **2005**, 81, 25-9	1.9	73
18	Cytosine detection by a fluorescein-labeled probe containing base-discriminating fluorescent nucleobase. *ChemBioChem*, **2004**, 5, 958-63	3.8	52
17	Synthesis of an artificial hole-transporting nucleoside triphosphate, dMDATP, and its enzymatic incorporation into DNA. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 5875-80	3.4	15
16	Photostimulated hole transport through a DNA duplex immobilized on a gold electrode. *Journal of the American Chemical Society*, **2004**, 126, 14732-3	16.4	70
15	DNA logic gates. *Journal of the American Chemical Society*, **2004**, 126, 9458-63	16.4	211
14	A nucleobase that releases reporter tags upon DNA oxidation. *Journal of the American Chemical Society*, **2004**, 126, 416-7	16.4	12
13	Development of the drug release system in hole transfer reaction through DNA. *Nucleic Acids Symposium Series*, **2003**, 153-4		

12	Design of base-discriminating fluorescent nucleoside and its application to t/c SNP typing. *Journal of the American Chemical Society*, **2003**, 125, 9296-7	16.4	116
11	Rational design of a DNA wire possessing an extremely high hole transport ability. *Journal of the American Chemical Society*, **2003**, 125, 5066-71	16.4	72
10	Clear distinction of pyrimidine bases on the complementary strand by fluorescence change of novel fluorescent nucleosides. *Nucleic Acids Symposium Series*, **2003**, 171-2		1
9	Enzymatic ligation and extension of DNA wire. *Nucleic Acids Symposium Series*, **2003**, 39-40		
8	2-Amino-7-deazaadenine forms stable base pairs with cytosine and thymine. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 97-9	2.9	10
7	Unique hole-trapping property of the degenerate base,2-amino-7-deazaadenine. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 3641-3	2.9	5
6	Synthesis and duplex stability of oligonucleotides containing 7-vinyl-7-deazaguanine as a strong electron-donating nucleobase. *Tetrahedron Letters*, **2000**, 41, 10035-10039	2	13
5	PPV-type □conjugated polymers based on hypervalent tin(IV)-fused azobenzene complexes showing near-infrared absorption and emission. *Polymer Journal*,	2.7	3
4	Recent developments in stimuli-responsive luminescent polymers composed of boron compounds. *Polymer Chemistry*,	4.9	1
3	Design Strategies and Recent Results for Near-Infrared-Emissive Materials Based on Element-Block □Conjugated Polymers. *Bulletin of the Chemical Society of Japan*,	5.1	5
2	Effects of Regioregularity of □Conjugated Polymers Composed of Boron □Diketiminate on Their Stimuli-Responsive Luminescence. *Macromolecular Chemistry and Physics*,2100504	2.6	1
1	Regulation of solid-state dual-emission properties by switching luminescence processes based on a bis-o-carborane-modified anthracene triad. *Materials Chemistry Frontiers*,	7.8	2