

# Kazuo Tanaka

## List of Publications by Year in descending order

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271  
papers

10,323  
citations

31902

53  
h-index

49773

87  
g-index

291  
all docs

291  
docs citations

291  
times ranked

7015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced functional materials based on polyhedral oligomeric silsesquioxane (POSS). Journal of Materials Chemistry, 2012, 22, 1733-1746.	6.7	440
2	New Polymeric Materials Based on Element-Blocks. Bulletin of the Chemical Society of Japan, 2015, 88, 633-643.	2.0	311
3	Solid-State Emission of the Anthracene-Carborane Dyad from the Twisted Intramolecular Charge Transfer in the Crystalline State. Angewandte Chemie - International Edition, 2017, 56, 254-259.	7.2	307
4	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, 18131-18139.	6.6	297
5	DNA Logic Gates. Journal of the American Chemical Society, 2004, 126, 9458-9463.	6.6	229
6	Degradation of DNA by bisulfite treatment. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1912-1915.	1.0	209
7	Advanced Luminescent Materials Based on Organoboron Polymers. Macromolecular Rapid Communications, 2012, 33, 1235-1255.	2.0	208
8	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, 7231-7237.	1.7	189
9	Highly Emissive Boron Ketoiminate Derivatives as a New Class of Aggregation-Induced Emission Fluorophores. Chemistry - A European Journal, 2013, 19, 4506-4512.	1.7	183
10	Recent Progress in the Development of Solid-State Luminescent Carboranes with Stimuli Responsivity. Angewandte Chemie - International Edition, 2020, 59, 9841-9855.	7.2	166
11	POSS Ionic Liquid. Journal of the American Chemical Society, 2010, 132, 17649-17651.	6.6	155
12	Recent progress of optical functional nanomaterials based on organoboron complexes with $\beta$ -diketonate, ketoiminate and diiminate. NPG Asia Materials, 2015, 7, e223-e223.	3.8	155
13	Boron Diiminate with Aggregation-Induced Emission and Crystallization-Induced Emission-Enhancement Characteristics. Chemistry - A European Journal, 2014, 20, 8320-8324.	1.7	147
14	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	128
15	Development of Solid-State Emissive Materials Based on Multifunctional Carborane-Pyrene Dyads. Organic Letters, 2016, 18, 4064-4067.	2.4	127
16	Design of Base-Discriminating Fluorescent Nucleoside and Its Application to T/C SNP Typing. Journal of the American Chemical Society, 2003, 125, 9296-9297.	6.6	126
17	Recent progress in the development of advanced element-block materials. Polymer Journal, 2018, 50, 109-126.	1.3	121
18	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.	3.2	113

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19	PRODAN-Conjugated DNA: Synthesis and Photochemical Properties. <i>Journal of the American Chemical Society</i> , 2007, 129, 4776-4784.	6.6	99
20	Highly-efficient solid-state emissions of anthracene- <i>o</i> -carborane dyads with various substituents and their thermochromic luminescence properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10047-10054.	2.7	96
21	Public-key system using DNA as a one-way function for key distribution. <i>BioSystems</i> , 2005, 81, 25-29.	0.9	91
22	Direct Labeling of 5-Methylcytosine and Its Applications. <i>Journal of the American Chemical Society</i> , 2007, 129, 5612-5620.	6.6	88
23	Conjugated Polymers Based on Tautomeric Units: Regulation of Main-Chain Conjugation and Expression of Aggregation Induced Emission Property via Boron-Complexation. <i>Macromolecules</i> , 2014, 47, 2268-2278.	2.2	87
24	A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double-Bond $\pi$ -Conjugated System Based on a Fused Azobenzene-Boron Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6546-6551.	7.2	87
25	Environment-responsive upconversion based on dendrimer-supported efficient triplet-triplet annihilation in aqueous media. <i>Chemical Communications</i> , 2010, 46, 4378.	2.2	86
26	A Flexible, Fused, Azomethine-Boron Complex: Thermochromic Luminescence and Thermosensitive Behavior in Structural Transitions between Crystalline Polymorphs. <i>Chemistry - A European Journal</i> , 2017, 23, 11827-11833.	1.7	86
27	Concept of Excitation-Driven Boron Complexes and Their Applications for Functional Luminescent Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 7-18.	2.0	85
28	Water-Soluble Anionic POSS-Core Dendrimer: Synthesis and Copper(II) Complexes in Aqueous Solution. <i>Langmuir</i> , 2007, 23, 9057-9063.	1.6	81
29	$\pi$ -Conjugated Polymers Composed of BODIPY or Aza-BODIPY Derivatives Exhibiting High Electron Mobility and Low Threshold Voltage in Electron-Only Devices. <i>Macromolecules</i> , 2014, 47, 2316-2323.	2.2	81
30	Creative Synthesis of Organic-Inorganic Molecular Hybrid Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 463-474.	2.0	81
31	Rational Design of a DNA Wire Possessing an Extremely High Hole Transport Ability. <i>Journal of the American Chemical Society</i> , 2003, 125, 5066-5071.	6.6	80
32	An Osmium-DNA Interstrand Complex: Application to Facile DNA Methylation Analysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 14511-14517.	6.6	79
33	Enhancement of entrapping ability of dendrimers by a cubic silsesquioxane core. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3899.	1.5	79
34	Photostimulated Hole Transport through a DNA Duplex Immobilized on a Gold Electrode. <i>Journal of the American Chemical Society</i> , 2004, 126, 14732-14733.	6.6	75
35	Modulation of sensitivity to mechanical stimulus in mechanofluorochromic properties by altering substituent positions in solid-state emissive diiodo boron diimines. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5314-5319.	2.7	73
36	Solid-State Emission of the Anthracene- <i>o</i> -Carborane Dyad from the Twisted Intramolecular Charge Transfer in the Crystalline State. <i>Angewandte Chemie</i> , 2017, 129, 260-265.	1.6	71

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37	Efficient simultaneous emission from RGB-emitting organoboron dyes incorporated into organic-inorganic hybrids and preparation of white light-emitting materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4437.	2.7	70
38	Tuning of Properties of POSS-Condensed Water-Soluble Network Polymers by Modulating the Cross-Linking Ratio between POSS. <i>Macromolecules</i> , 2009, 42, 3489-3492.	2.2	69
39	Facile Modulation of Optical Properties of Diketonate-Containing Polymers by Regulating Complexation Ratios with Boron. <i>Macromolecules</i> , 2013, 46, 2969-2975.	2.2	68
40	Enantioselective Synthesis of Triple Helicenes by Cross-Cyclotrimerization of a Helicenyl Aryne and Alkynes via Dynamic Kinetic Resolution. <i>Journal of the American Chemical Society</i> , 2020, 142, 10025-10033.	6.6	67
41	Monitoring of Biological One-Electron Reduction by <sup>19</sup> F NMR Using Hypoxia Selective Activation of an <sup>19</sup> F-Labeled Indolequinone Derivative. <i>Journal of the American Chemical Society</i> , 2009, 131, 15982-15983.	6.6	66
42	Multi-modal <sup>19</sup> F NMR probe using perfluorinated cubic silsesquioxane-coated silica nanoparticles for monitoring enzymatic activity. <i>Chemical Communications</i> , 2008, , 6176.	2.2	63
43	Film-type chemosensors based on boron diiminate polymers having oxidation-induced emission properties. <i>Polymer Chemistry</i> , 2015, 6, 5590-5595.	1.9	63
44	Development of solid-state emissive o-carboranes and theoretical investigation of the mechanism of the aggregation-induced emission behaviors of organoboron element-blocks. <i>Faraday Discussions</i> , 2017, 196, 31-42.	1.6	63
45	Oxygen-Bridged Diphenyl-naphthylamine as a Scaffold for Full-Color Circularly Polarized Luminescent Materials. <i>Journal of Organic Chemistry</i> , 2017, 82, 5242-5249.	1.7	60
46	Modulation of luminescence chromic behaviors and environment-responsive intensity changes by substituents in bis-o-carborane-substituted conjugated molecules. <i>Materials Chemistry Frontiers</i> , 2018, 2, 573-579.	3.2	60
47	Unique properties of amphiphilic POSS and their applications. <i>Polymer Journal</i> , 2013, 45, 247-254.	1.3	59
48	Chemicals-Inspired Biomaterials: Developing Biomaterials Inspired by Material Science Based on POSS. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1231-1239.	2.0	58
49	Effective Light-Harvesting Antennae Based on BODIPY-Tethered Cardo Polyfluorenes via Rapid Energy Transferring and Low Concentration Quenching. <i>Macromolecules</i> , 2013, 46, 2599-2605.	2.2	57
50	Boron-Ketoiminate-Based Polymers: Fine-Tuning of the Emission Color and Expression of Strong Emission Both in the Solution and Film States. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1315-1319.	2.0	57
51	Preparation for Highly Sensitive MRI Contrast Agents Using Core/Shell Type Nanoparticles Consisting of Multiple SPIO Cores with Thin Silica Coating. <i>Langmuir</i> , 2010, 26, 11759-11762.	1.6	56
52	Cytosine Detection by a Fluorescein-Labeled Probe Containing Base-Discriminating Fluorescent Nucleobase. <i>ChemBioChem</i> , 2004, 5, 958-963.	1.3	55
53	Side-chain effect of octa-substituted POSS fillers on refraction in polymer composites. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5712-5717.	2.5	55
54	Solid-State Thermochromic Luminescence through Twisted Intramolecular Charge Transfer and Excimer Formation of a Carborane-Pyrene Dyad with an Ethynyl Spacer. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1818-1822.	1.3	55

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55	Luminescence Color Tuning from Blue to Near Infrared of Stable Luminescent Solid Materials Based on Bis(o-carborane)-substituted Oligoacenes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2134-2138.	1.7	54
56	Heat-resistant Mechanoluminescent Chromism of the Hybrid Molecule Based on Boron Ketoiminate Modified Octasubstituted Polyhedral Oligomeric Silsesquioxane. <i>Chemistry - A European Journal</i> , 2017, 23, 1409-1414.	1.7	54
57	Synthesis and characterization of heterofluorenes containing four-coordinated group 13 elements: theoretical and experimental analyses and comparison of structures, optical properties and electronic states. <i>Dalton Transactions</i> , 2015, 44, 8697-8707.	1.6	53
58	Thermodynamic study of POSS-based ionic liquids with various numbers of ion pairs. <i>Polymer Journal</i> , 2011, 43, 708-713.	1.3	51
59	Bimodal Quantitative Monitoring for Enzymatic Activity with Simultaneous Signal Increases in <sup>19</sup> F NMR and Fluorescence Using Silica Nanoparticle-Based Molecular Probes. <i>Bioconjugate Chemistry</i> , 2011, 22, 1484-1490.	1.8	50
60	Synthesis of sulfonic acid-containing POSS and its filler effects for enhancing thermal stabilities and lowering melting temperatures of ionic liquids. <i>Journal of Materials Chemistry A</i> , 2014, 2, 624-630.	5.2	50
61	Design of bond-cleavage-induced intramolecular charge transfer emission with dibenzoboroles and their application to ratiometric sensors for discriminating chain lengths of alkanes. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2368-2375.	3.2	50
62	Highly near-infrared emissive boron di(iso)indomethene-based polymer: Drastic change from deep-red to near-infrared emission via quantitative polymer reaction. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1726-1733.	2.5	49
63	Synthetic Strategy for Low-Band Gap Oligomers and Homopolymers Using Characteristics of Thiophene-Fused Boron Dipyrrromethene. <i>Macromolecules</i> , 2014, 47, 3755-3760.	2.2	49
64	Efficient light absorbers based on thiophene-fused boron dipyrromethene (BODIPY) dyes. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2715-2719.	1.4	48
65	Reversible signal regulation system of <sup>19</sup> F NMR by redox reactions using a metal complex as a switching module. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3818-3823.	1.4	47
66	Sponge-type Emissive Chemosensors for the Protein Detection Based on Boron Ketoiminate-Modifying Hydrogels with Aggregation-Induced Blueshift Emission Property. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 414-421.	1.1	47
67	Diarylamino- and Diarylboryl-Substituted Donor-Acceptor Pyrene Derivatives: Influence of Substitution Pattern on Their Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2017, 82, 5111-5121.	1.7	47
68	Design and Luminescence Chromism of Fused Boron Complexes Having Constant Emission Efficiencies in Solution and in the Amorphous and Crystalline States. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5191-5196.	1.2	47
69	Spiral Eu(III) coordination polymers with circularly polarized luminescence. <i>Chemical Communications</i> , 2018, 54, 10695-10697.	2.2	47
70	Enhancement of Aggregation-Induced Emission by Introducing Multiple o-Carborane Substitutions into Triphenylamine. <i>Molecules</i> , 2017, 22, 2009.	1.7	45
71	Chiral lanthanide lumino-glass for a circularly polarized light security device. <i>Communications Chemistry</i> , 2020, 3, .	2.0	45
72	Modulation of Morphology and Conductivity of Mixed-Valence Tetrathiafulvalene Nanofibers by Coexisting Organic Acid Anions. <i>Langmuir</i> , 2009, 25, 6929-6933.	1.6	44

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73	POSS fillers for modulating the thermal properties of ionic liquids. <i>RSC Advances</i> , 2013, 3, 2422.	1.7	44
74	Size-discrimination of volatile organic compounds utilizing gallium diiminate by luminescent chromism of crystallization-induced emission via encapsulation-triggered crystal-crystal transition. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5564-5571.	2.7	44
75	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. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 90-95.	1.5	43
76	Synthesis and Optical Properties of Stable Gallfluorene Derivatives: Investigation of Their Emission via Triplet States. <i>Journal of the American Chemical Society</i> , 2013, 135, 4211-4214.	6.6	41
77	Ratiometric multimodal chemosensors based on cubic silsesquioxanes for monitoring solvent polarity. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 10029-10033.	1.4	40
78	POSS ionic liquid crystals. <i>NPG Asia Materials</i> , 2015, 7, e174-e174.	3.8	39
79	Electron-donating abilities and luminescence properties of tolane-substituted nido-carboranes. <i>New Journal of Chemistry</i> , 2017, 41, 10550-10554.	1.4	39
80	Modulation of the solid-state luminescent properties of conjugated polymers by changing the connecting points of flexible boron element blocks. <i>Polymer Journal</i> , 2020, 52, 555-566.	1.3	39
81	Construction of the Luminescent Donor-Acceptor Conjugated Systems Based on Boron-Fused Azomethine Acceptor. <i>Macromolecules</i> , 2019, 52, 3387-3393.	2.2	38
82	Improving Proton Relaxivity of Dendritic MRI Contrast Agents by Rigid Silsesquioxane Core. <i>Polymer Journal</i> , 2009, 41, 287-292.	1.3	37
83	Near-Infrared Circularly Polarized Luminescence through Intramolecular Excimer Formation of Oligo( <i>p</i> -phenyleneethynylene)-Based Double Helicates. <i>Chemistry - A European Journal</i> , 2019, 25, 9211-9216.	1.7	37
84	Recent Progress in the Development of Solid-State Luminescent <i>o</i> -Carboranes with Stimuli Responsivity. <i>Angewandte Chemie</i> , 2020, 132, 9925-9939.	1.6	36
85	Design for multi-step mechanochromic luminescence property by enhancement of environmental sensitivity in a solid-state emissive boron complex. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1781-1788.	3.2	36
86	Rational design of polyhedral oligomeric silsesquioxane fillers for simultaneous improvements of thermomechanical properties and lowering refractive indices of polymer films. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3583-3589.	2.5	35
87	Synthesis and properties of highly-rigid conjugation system based on bi(benzo[ <i>b</i> ]thiophene)-fused <i>o</i> -carborane. <i>Tetrahedron Letters</i> , 2016, 57, 2025-2028.	0.7	35
88	Near-Infrared Absorptive and Emissive Poly( <i>p</i> -phenylene vinylene) Derivative Containing Azobenzene-Boron Complexes. <i>Macromolecules</i> , 2020, 53, 4524-4532.	2.2	35
89	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. <i>Chemical Science</i> , 2020, 11, 3250-3257.	3.7	35
90	Enhancement of optical properties of dyes for bioprobes by freezing effect of molecular motion using POSS-core dendrimers. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 915-919.	1.4	34

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91	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.	2.0	33
92	Reductive Glutathione-Responsive Molecular Release Using Water-Soluble POSS Network Polymers. Bulletin of the Chemical Society of Japan, 2011, 84, 612-616.	2.0	31
93	Heavy metal-free <sup>19</sup> F NMR probes for quantitative measurements of glutathione reductase activity using silica nanoparticles as a signal quencher. Bioorganic and Medicinal Chemistry, 2012, 20, 96-100.	1.4	31
94	Hypoxic condition-selective upconversion via triplet-triplet annihilation based on POSS-core dendrimer complexes. Bioorganic and Medicinal Chemistry, 2013, 21, 2678-2681.	1.4	31
95	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	31
96	Synthesis and Characterization of Gallafluorene-Containing Conjugated Polymers: Control of Emission Colors and Electronic Effects of Gallafluorene Units on $\pi$ -Conjugation System. Macromolecules, 2015, 48, 1343-1351.	2.2	31
97	Simple and valid strategy for the enhancement of the solid-emissive property of boron dipyrromethenes. Tetrahedron Letters, 2015, 56, 6786-6790.	0.7	31
98	Preparation and fluorescence properties of fluorophore-labeled avidin-biotin system immobilized on Fe <sub>3</sub> O <sub>4</sub> nanoparticles through functional indolequinone linker. Bioorganic and Medicinal Chemistry, 2009, 17, 3775-3781.	1.4	30
99	Reduced glutathione-resisting <sup>19</sup> F NMR sensors for detecting HNO. Bioorganic and Medicinal Chemistry, 2012, 20, 4668-4674.	1.4	30
100	Time-Dependent Emission Enhancement of the Ethynylpyrene-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.	1.7	30
101	POSS-based molecular fillers for simultaneously enhancing thermal and viscoelasticity of poly(methyl methacrylate) films. Materials Letters, 2017, 203, 62-67.	1.3	29
102	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.	1.3	28
103	Modulation of the <i>cis</i> - and <i>trans</i> -Conformations in Bis-carborane Substituted Benzodithiophenes and Emission Enhancement Effect on Luminescent Efficiency by Solidification. European Journal of Organic Chemistry, 2018, 2018, 1507-1512.	1.2	28
104	Elastic and mechanofluorochromic hybrid films with POSS-capped polyurethane and polyfluorene. Materials Chemistry Frontiers, 2019, 3, 1174-1180.	3.2	28
105	Synthesis of fully-fused bisboron azomethine complexes and their conjugated polymers with solid-state near-infrared emission. Chemical Communications, 2020, 56, 6575-6578.	2.2	28
106	Synthesis and color tuning of boron diiminate conjugated polymers with aggregation-induced scintillation properties. RSC Advances, 2015, 5, 96653-96659.	1.7	27
107	Control of intramolecular excimer emission in luminophore-integrated ionic POSSs possessing flexible side-chains. Materials Chemistry Frontiers, 2018, 2, 1449-1455.	3.2	27
108	Synthesis of conjugated polymers containing gallium atoms and evaluation of conjugation through four-coordinate gallium atoms. Chemical Communications, 2014, 50, 15740-15743.	2.2	26

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109	Light-driven artificial enzymes for selective oxidation of guanosine triphosphate using water-soluble POSS network polymers. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6500.	1.5	26
110	Controllable intramolecular interaction of 3D arranged $\pi$ -conjugated luminophores based on a POSS scaffold, leading to highly thermally-stable and emissive materials. <i>RSC Advances</i> , 2016, 6, 78652-78660.	1.7	26
111	Tuning of Sensitivity in Thermochromic Luminescence by Regulating Molecular Rotation Based on Triphenylamine-Substituted <i>ortho</i> -Carboranes. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 2228-2232.	1.3	26
112	Improvement of Solid-State Excimer Emission of the Aryl-Ethynyl-Carborane Skeleton by Acridine Introduction. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2984-2988.	1.2	26
113	Stimuli-responsive luminochromic polymers consisting of multi-state emissive fused boron ketoiminate. <i>Polymer Chemistry</i> , 2020, 11, 1127-1133.	1.9	26
114	Molecular design and application of luminescent materials composed of group 13 elements with an aggregation-induced emission property. <i>National Science Review</i> , 2021, 8, nwab049.	4.6	26
115	Assembly system of direct modified superparamagnetic iron oxide nanoparticles for target-specific MRI contrast agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5463-5465.	1.0	25
116	Isolation of $\pi$ -conjugated system through polyfluorene from electronic coupling with side-chain substituents by cardo structures. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4433-4442.	2.5	25
117	Synthesis of $\pi$ -Conjugated Polymers Containing Aminoquinoline-Borfluorene Complexes in the Main-Chain. <i>Macromolecular Rapid Communications</i> , 2012, 33, 550-555.	2.0	25
118	Synthesis of dual-emissive polymers based on ineffective energy transfer through cardo fluorene-containing conjugated polymers. <i>Polymer</i> , 2015, 60, 228-233.	1.8	25
119	Preservation of main-chain conjugation through BODIPY-containing alternating polymers from electronic interactions with side-chain substituents by cardo boron structures. <i>Polymer Chemistry</i> , 2016, 7, 2799-2807.	1.9	25
120	Synthesis of Aggregation-Induced Emission-Active Conjugated Polymers Composed of Group 13 Diiminate Complexes with Tunable Energy Levels via Alteration of Central Element. <i>Polymers</i> , 2017, 9, 68.	2.0	25
121	Enhancement of Luminescence Efficiencies by Thermal Rearrangement from <i>ortho</i> -to <i>meta</i> -Carborane in Bis-Carborane-Substituted Acenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1885-1890.	1.2	25
122	Dual emission <i>via</i> remote control of molecular rotation of <i>ortho</i> -carborane in the excited state by the distant substituents in tolane-modified dyads. <i>New Journal of Chemistry</i> , 2018, 42, 4210-4214.	1.4	25
123	Luminescent color tuning with polymer films composed of boron diiminate conjugated copolymers by changing the connection points to comonomers. <i>Polymer Chemistry</i> , 2018, 9, 1942-1946.	1.9	25
124	Experimental proof for emission annihilation through bond elongation at the carbon-carbon bond in <i>ortho</i> -carborane with fused biphenyl-substituted compounds. <i>Dalton Transactions</i> , 2021, 50, 1025-1033.	1.6	25
125	Dimerization-Induced Solid-State Excimer Emission Showing Consecutive Thermochromic Luminescence Based on Acridine-Modified <i>ortho</i> -Carboranes. <i>Inorganic Chemistry</i> , 2021, 60, 8990-8997.	1.9	25
126	Synthesis of emissive water-soluble network polymers based on polyhedral oligomeric silsesquioxane and their application as optical sensors for discriminating the particle size. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12539-12545.	2.7	24



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127	New Idea for Narrowing an Energy Gap by Selective Perturbation of One Frontier Molecular Orbital. <i>Chemistry Letters</i> , 2021, 50, 269-279.	0.7	24
128	Facile design of organic-inorganic hybrid gels for molecular recognition of nucleoside triphosphates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2050-2055.	1.0	23
129	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. <i>Crystals</i> , 2020, 10, 615.	1.0	23
130	CPL on/off control of an assembled system by water soluble macrocyclic chiral sources with planar chirality. <i>Chemical Science</i> , 2022, 13, 5846-5853.	3.7	23
131	Synthesis of Air- and Moisture-Stable Dibenzogallepins: Control of Planarity of Seven-Membered Rings in Solid States by Coordination to Gallium Atoms. <i>Organic Letters</i> , 2015, 17, 1593-1596.	2.4	22
132	Synthesis of furan-substituted aza-BODIPYs having near-infrared emission. <i>Tetrahedron Letters</i> , 2017, 58, 2989-2992.	0.7	22
133	Electronic chirality inversion of lanthanide complex induced by achiral molecules. <i>Scientific Reports</i> , 2018, 8, 16395.	1.6	22
134	Design of Thermochromic Luminescent Dyes Based on the Bis(ortho-carborane)-Substituted Benzobithiophene Structure. <i>Chemistry - an Asian Journal</i> , 2019, 14, 789-795.	1.7	22
135	Electronic strain effect on Eu(III) complexes for enhanced circularly polarized luminescence. <i>Dalton Transactions</i> , 2020, 49, 5352-5361.	1.6	22
136	Development of the optical sensor for discriminating isomers of fatty acids based on emissive network polymers composed of polyhedral oligomeric silsesquioxane. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3431-3436.	1.4	21
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