

Kazuo Tanaka

List of Publications by Citations

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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 | Advanced functional materials based on polyhedral oligomeric silsesquioxane (POSS). <i>Journal of Materials Chemistry</i> , 2012 , 22, 1733-1746 | | 387 |
| 262 | New Polymeric Materials Based on Element-Blocks. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 633-643 | 5.1 | 266 |
| 261 | Functionalization of boron diiminates with unique optical properties: multicolor tuning of crystallization-induced emission and introduction into the main chain of conjugated polymers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 18131-9 | 16.4 | 262 |
| 260 | Solid-State Emission of the Anthracene-o-Carborane Dyad from the Twisted-Intramolecular Charge Transfer in the Crystalline State. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 254-259 | 16.4 | 235 |
| 259 | DNA logic gates. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9458-63 | 16.4 | 211 |
| 258 | Advanced luminescent materials based on organoboron polymers. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1235-55 | 4.8 | 184 |
| 257 | Highly emissive boron ketoiminate derivatives as a new class of aggregation-induced emission fluorophores. <i>Chemistry - A European Journal</i> , 2013 , 19, 4506-12 | 4.8 | 167 |
| 256 | Mechanofluorochromic materials based on aggregation-induced emission-active boron ketoiminates: regulation of the direction of the emission color changes. <i>Chemistry - A European Journal</i> , 2015 , 21, 7231-7 | 4.8 | 153 |
| 255 | POSS Ionic Liquid. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17649-51 | 16.4 | 143 |
| 254 | Degradation of DNA by bisulfite treatment. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 1912-5 | 2.9 | 140 |
| 253 | Boron diiminate with aggregation-induced emission and crystallization-induced emission-enhancement characteristics. <i>Chemistry - A European Journal</i> , 2014 , 20, 8320-4 | 4.8 | 133 |
| 252 | Recent progress of optical functional nanomaterials based on organoboron complexes with Ediketone, ketoiminate and diiminate. <i>NPG Asia Materials</i> , 2015 , 7, e223-e223 | 10.3 | 125 |
| 251 | Design of base-discriminating fluorescent nucleoside and its application to t/c SNP typing. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9296-7 | 16.4 | 116 |
| 250 | Structure-property relationship of octa-substituted POSS in thermal and mechanical reinforcements of conventional polymers. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5690-5697 | 2.5 | 114 |
| 249 | Development of Solid-State Emissive Materials Based on Multifunctional o-Carborane-Pyrene Dyads. <i>Organic Letters</i> , 2016 , 18, 4064-7 | 6.2 | 101 |
| 248 | PRODAN-conjugated DNA: synthesis and photochemical properties. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4776-84 | 16.4 | 95 |
| 247 | Recent progress in the development of advanced element-block materials. <i>Polymer Journal</i> , 2018 , 50, 109-126 | 2.7 | 94 |

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| 246 | Control of aggregation-induced emission versus fluorescence aggregation-caused quenching by bond existence at a single site in boron pyridinoiminate complexes. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1573-1579 | 7.8 | 92 |
| 245 | Direct labeling of 5-methylcytosine and its applications. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5612-20 | 16.4 | 86 |
| 244 | Environment-responsive upconversion based on dendrimer-supported efficient triplet-triplet annihilation in aqueous media. <i>Chemical Communications</i> , 2010 , 46, 4378-80 | 5.8 | 84 |
| 243 | Recent Progress in the Development of Solid-State Luminescent o-Carboranes with Stimuli Responsivity. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9841-9855 | 16.4 | 81 |
| 242 | Water-soluble anionic POSS-core dendrimer: synthesis and copper(II) complexes in aqueous solution. <i>Langmuir</i> , 2007 , 23, 9057-63 | 4 | 78 |
| 241 | Enhancement of entrapping ability of dendrimers by a cubic silsesquioxane core. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 3899-901 | 3.9 | 76 |
| 240 | 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 | 5.5 | 74 |
| 239 | A Flexible, Fused, Azomethine-Boron Complex: Thermochromic Luminescence and Thermosolient Behavior in Structural Transitions between Crystalline Polymorphs. <i>Chemistry - A European Journal</i> , 2017 , 23, 11827-11833 | 4.8 | 73 |
| 238 | Public-key system using DNA as a one-way function for key distribution. <i>BioSystems</i> , 2005 , 81, 25-9 | 1.9 | 73 |
| 237 | An osmium-DNA interstrand complex: application to facile DNA methylation analysis. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14511-7 | 16.4 | 72 |
| 236 | Rational design of a DNA wire possessing an extremely high hole transport ability. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5066-71 | 16.4 | 72 |
| 235 | Photostimulated hole transport through a DNA duplex immobilized on a gold electrode. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14732-3 | 16.4 | 70 |
| 234 | 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 | 5.5 | 69 |
| 233 | Highly-efficient solid-state emissions of anthracene-carborane dyads with various substituents and their thermochromic luminescence properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10047-10054 ¹ | 7.1 | 69 |
| 232 | Creative Synthesis of Organic-Inorganic Molecular Hybrid Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 463-474 | 5.1 | 67 |
| 231 | 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 | 7.1 | 66 |
| 230 | Facile Modulation of Optical Properties of Diketonate-Containing Polymers by Regulating Complexation Ratios with Boron. <i>Macromolecules</i> , 2013 , 46, 2969-2975 | 5.5 | 63 |
| 229 | Monitoring of biological one-electron reduction by (¹⁹ F) NMR using hypoxia selective activation of an (¹⁹ F)-labeled indolequinone derivative. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15982-3 | 16.4 | 63 |

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| 228 | 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 | 5.5 | 62 |
| 227 | Multi-modal ¹⁹ F NMR probe using perfluorinated cubic silsesquioxane-coated silica nanoparticles for monitoring enzymatic activity. <i>Chemical Communications</i> , 2008 , 6176-8 | 5.8 | 61 |
| 226 | 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 | 3.6 | 59 |
| 225 | Modulation of sensitivity to mechanical stimulus in mechanofluorochromic properties by altering substituent positions in solid-state emissive diiodo boron diiminates. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5314-5319 | 7.1 | 59 |
| 224 | A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double-Bond Conjugated System Based on a Fused Azobenzene-Boron Complex. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6546-6551 | 16.4 | 58 |
| 223 | 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 | 5.1 | 58 |
| 222 | Solid-State Emission of the Anthracene-o-Carborane Dyad from the Twisted-Intramolecular Charge Transfer in the Crystalline State. <i>Angewandte Chemie</i> , 2017 , 129, 260-265 | 3.6 | 56 |
| 221 | Film-type chemosensors based on boron diiminate polymers having oxidation-induced emission properties. <i>Polymer Chemistry</i> , 2015 , 6, 5590-5595 | 4.9 | 56 |
| 220 | Unique properties of amphiphilic POSS and their applications. <i>Polymer Journal</i> , 2013 , 45, 247-254 | 2.7 | 56 |
| 219 | 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 | 5.5 | 54 |
| 218 | 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, 11759-62 | 4 | 53 |
| 217 | Cytosine detection by a fluorescein-labeled probe containing base-discriminating fluorescent nucleobase. <i>ChemBioChem</i> , 2004 , 5, 958-63 | 3.8 | 52 |
| 216 | 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, 1315-9 | 4.8 | 51 |
| 215 | 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 | 50 |
| 214 | Oxygen-Bridged Diphenylnaphthylamine as a Scaffold for Full-Color Circularly Polarized Luminescent Materials. <i>Journal of Organic Chemistry</i> , 2017 , 82, 5242-5249 | 4.2 | 49 |
| 213 | 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 | 13 | 49 |
| 212 | 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 | 4.5 | 49 |
| 211 | 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 | 5.1 | 48 |

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| 210 | Thermodynamic study of POSS-based ionic liquids with various numbers of ion pairs. <i>Polymer Journal</i> , 2011 , 43, 708-713 | 2.7 | 48 |
| 209 | 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 | 7.8 | 47 |
| 208 | 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 | 4.8 | 47 |
| 207 | Bimodal quantitative monitoring for enzymatic activity with simultaneous signal increases in ¹⁹ F NMR and fluorescence using silica nanoparticle-based molecular probes. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1484-90 | 6.3 | 46 |
| 206 | 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 | 45 |
| 205 | Diaryl-amino- and Diaryl-boryl-Substituted Donor-Acceptor Pyrene Derivatives: Influence of Substitution Pattern on Their Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2017 , 82, 5111-5121 | 4.2 | 41 |
| 204 | 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 | 2.6 | 41 |
| 203 | POSS fillers for modulating the thermal properties of ionic liquids. <i>RSC Advances</i> , 2013 , 3, 2422 | 3.7 | 41 |
| 202 | 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 | 3 | 41 |
| 201 | Reversible signal regulation system of ¹⁹ F NMR by redox reactions using a metal complex as a switching module. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 3818-23 | 3.4 | 41 |
| 200 | Efficient light absorbers based on thiophene-fused boron dipyrromethene (BODIPY) dyes. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 2715-9 | 3.4 | 40 |
| 199 | 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, 90-5 | 3.9 | 39 |
| 198 | Modulation of morphology and conductivity of mixed-valence tetrathiafulvalene nanofibers by coexisting organic acid anions. <i>Langmuir</i> , 2009 , 25, 6929-33 | 4 | 39 |
| 197 | Ratiometric multimodal chemosensors based on cubic silsesquioxanes for monitoring solvent polarity. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 10029-33 | 3.4 | 39 |
| 196 | Synthetic Strategy for Low-Band Gap Oligomers and Homopolymers Using Characteristics of Thiophene-Fused Boron Dipyrromethene. <i>Macromolecules</i> , 2014 , 47, 3755-3760 | 5.5 | 38 |
| 195 | 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 | 7.8 | 38 |
| 194 | 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 | 7.1 | 38 |
| 193 | Enhancement of Aggregation-Induced Emission by Introducing Multiple o-Carborane Substitutions into Triphenylamine. <i>Molecules</i> , 2017 , 22, | 4.8 | 37 |

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| 192 | POSS ionic liquid crystals. <i>NPG Asia Materials</i> , 2015 , 7, e174-e174 | 10.3 | 36 |
| 191 | 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 | 3.2 | 35 |
| 190 | Synthesis and optical properties of stable gallafluorene derivatives: investigation of their emission via triplet states. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4211-4 | 16.4 | 35 |
| 189 | Improving Proton Relaxivity of Dendritic MRI Contrast Agents by Rigid Silsesquioxane Core. <i>Polymer Journal</i> , 2009 , 41, 287-292 | 2.7 | 35 |
| 188 | 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, 8697-707 | 4.3 | 34 |
| 187 | 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 | 33 |
| 186 | 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 | 16.4 | 32 |
| 185 | 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, 915-9 | 3.4 | 32 |
| 184 | Synthesis and properties of highly-rigid conjugation system based on bi(benzo[b]thiophene)-fused o-carborane. <i>Tetrahedron Letters</i> , 2016 , 57, 2025-2028 | 2 | 31 |
| 183 | Electron-donating abilities and luminescence properties of tolane-substituted nido-carboranes. <i>New Journal of Chemistry</i> , 2017 , 41, 10550-10554 | 3.6 | 31 |
| 182 | Synthesis of POSS Derivatives Having Dual Types of Alkyl Substituents and Their Application as a Molecular Filler for Low-Refractive and Highly Durable Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 205-209 | 5.1 | 30 |
| 181 | Heavy metal-free ¹⁹ F NMR probes for quantitative measurements of glutathione reductase activity using silica nanoparticles as a signal quencher. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 96-100 | 3.4 | 30 |
| 180 | Synthesis and Characterization of Gallafuorene-Containing Conjugated Polymers: Control of Emission Colors and Electronic Effects of Gallafuorene Units on EConjugation System. <i>Macromolecules</i> , 2015 , 48, 1343-1351 | 5.5 | 30 |
| 179 | Hypoxic condition-selective upconversion via triplet-triplet annihilation based on POSS-core dendrimer complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 2678-81 | 3.4 | 30 |
| 178 | Reductive Glutathione-Responsive Molecular Release Using Water-Soluble POSS Network Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2011 , 84, 612-616 | 5.1 | 30 |
| 177 | Transformation of sulfur to organic/inorganic hybrids employed by networks and their application for the modulation of refractive indices. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 2588-2595 | 2.5 | 29 |
| 176 | Spiral Eu(III) coordination polymers with circularly polarized luminescence. <i>Chemical Communications</i> , 2018 , 54, 10695-10697 | 5.8 | 29 |
| 175 | Simple and valid strategy for the enhancement of the solid-emissive property of boron dipyrromethenes. <i>Tetrahedron Letters</i> , 2015 , 56, 6786-6790 | 2 | 28 |

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| 174 | Preparation and fluorescence properties of fluorophore-labeled avidin-biotin system immobilized on Fe ₃ O ₄ nanoparticles through functional indolequinone linker. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 3775-81 | 3.4 | 28 |
| 173 | Reduced glutathione-resisting π F NMR sensors for detecting HNO. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 4668-74 | 3.4 | 26 |
| 172 | POSS-based molecular fillers for simultaneously enhancing thermal and viscoelasticity of poly(methyl methacrylate) films. <i>Materials Letters</i> , 2017 , 203, 62-67 | 3.3 | 25 |
| 171 | Modulation of the cis- and trans-Conformations in Bis-o-carborane Substituted Benzodithiophenes and Emission Enhancement Effect on Luminescent Efficiency by Solidification. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1507-1512 | 3.2 | 25 |
| 170 | Remarkably high miscibility of octa-substituted POSS with commodity conjugated polymers and molecular fillers for the improvement of homogeneities of polymer matrices. <i>Polymer Journal</i> , 2016 , 48, 1133-1139 | 2.7 | 25 |
| 169 | Controllable intramolecular interaction of 3D arranged π conjugated luminophores based on a POSS scaffold, leading to highly thermally-stable and emissive materials. <i>RSC Advances</i> , 2016 , 6, 78652-78660 | 2.7 | 24 |
| 168 | Light-driven artificial enzymes for selective oxidation of guanosine triphosphate using water-soluble POSS network polymers. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 6500-6 | 3.9 | 24 |
| 167 | Synthesis of dual-emissive polymers based on ineffective energy transfer through cardo fluorene-containing conjugated polymers. <i>Polymer</i> , 2015 , 60, 228-233 | 3.9 | 24 |
| 166 | Isolation of π 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 | 24 |
| 165 | Assembly system of direct modified superparamagnetic iron oxide nanoparticles for target-specific MRI contrast agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 5463-5 | 2.9 | 24 |
| 164 | Synthesis of conjugated polymers containing gallium atoms and evaluation of conjugation through four-coordinate gallium atoms. <i>Chemical Communications</i> , 2014 , 50, 15740-3 | 5.8 | 23 |
| 163 | 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 | 4.9 | 23 |
| 162 | Elastic and mechanofluorochromic hybrid films with POSS-capped polyurethane and polyfluorene. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1174-1180 | 7.8 | 22 |
| 161 | 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 | 7.1 | 22 |
| 160 | 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 | 2.7 | 22 |
| 159 | Synthesis and color tuning of boron diiminate conjugated polymers with aggregation-induced scintillation properties. <i>RSC Advances</i> , 2015 , 5, 96653-96659 | 3.7 | 22 |
| 158 | Synthesis of π conjugated polymers containing aminoquinoline-borofluorene complexes in the main-chain. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 550-5 | 4.8 | 22 |
| 157 | Construction of the Luminescent Donor-Acceptor Conjugated Systems Based on Boron-Fused Azomethine Acceptor. <i>Macromolecules</i> , 2019 , 52, 3387-3393 | 5.5 | 21 |

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| 156 | Dual emission via remote control of molecular rotation of o-carborane in the excited state by the distant substituents in tolane-modified dyads. <i>New Journal of Chemistry</i> , 2018 , 42, 4210-4214 | 3.6 | 21 |
| 155 | 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. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1577-1581 | 4.5 | 20 |
| 154 | Facile design of organic-inorganic hybrid gels for molecular recognition of nucleoside triphosphates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2050-5 | 2.9 | 20 |
| 153 | Stimuli-responsive luminochromic polymers consisting of multi-state emissive fused boron ketoiminate. <i>Polymer Chemistry</i> , 2020 , 11, 1127-1133 | 4.9 | 20 |
| 152 | Near-Infrared Circularly Polarized Luminescence through Intramolecular Excimer Formation of Oligo(p-phenyleneethynylene)-Based Double Helicates. <i>Chemistry - A European Journal</i> , 2019 , 25, 9211-9216 | 4.8 | 19 |
| 151 | Liquid scintillators with near infrared emission based on organoboron conjugated polymers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 5331-4 | 2.9 | 19 |
| 150 | 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 | 4.9 | 19 |
| 149 | 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, 1593-6 | 6.2 | 18 |
| 148 | Enhancement of Luminescence Efficiencies by Thermal Rearrangement from ortho- to meta-Carborane in Bis-Carborane-Substituted Acenes. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1885-1890 | 3.2 | 18 |
| 147 | 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. <i>Macromolecules</i> , 2016 , 49, 8899-8904 | 5.5 | 18 |
| 146 | Control of intramolecular excimer emission in luminophore-integrated ionic POSSs possessing flexible side-chains. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1449-1455 | 7.8 | 18 |
| 145 | Tuning of Sensitivity in Thermochromic Luminescence by Regulating Molecular Rotation Based on Triphenylamine-Substituted o-Carboranes. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 2228-2232 | 3 | 18 |
| 144 | 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, | 4.5 | 18 |
| 143 | Synthesis of benzo[h]quinoline-based neutral pentacoordinate organosilicon complexes. <i>Chemical Communications</i> , 2012 , 48, 8541-3 | 5.8 | 18 |
| 142 | Methylcytosine-selective fluorescence quenching by osmium complexation. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 1615-21 | 3.4 | 18 |
| 141 | Design of Thermochromic Luminescent Dyes Based on the Bis(ortho-carborane)-Substituted Benzobithiophene Structure. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 789-795 | 4.5 | 18 |
| 140 | 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 | 3.4 | 17 |
| 139 | Energy transfer through heterogeneous dyes-substituted fluorene-containing alternating copolymers and their dual-emission properties in the films. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 2026-2035 | 2.5 | 17 |

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| 138 | Near-Infrared Absorptive and Emissive Poly(p-phenylene vinylene) Derivative Containing AzobenzeneBoron Complexes. <i>Macromolecules</i> , 2020 , 53, 4524-4532 | 5.5 | 17 |
| 137 | Comparison of luminescent properties of helicene-like bibenzothiophenes with o-carborane and 5,6-dicarba-nido-decaborane. <i>Science China Chemistry</i> , 2018 , 61, 940-946 | 7.9 | 17 |
| 136 | Enhancement of dye dispersibility in silica hybrids through local heating induced by the Imidazolium group under microwave irradiation. <i>Polymer Journal</i> , 2014 , 46, 195-199 | 2.7 | 17 |
| 135 | Photo-triggered molecular release based on auto-degradable polymer-containing organic-inorganic hybrids. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 3435-40 | 3.4 | 17 |
| 134 | Chiral lanthanide lumino-glass for a circularly polarized light security device. <i>Communications Chemistry</i> , 2020 , 3, | 6.3 | 17 |
| 133 | Improvement of Solid-State Excimer Emission of the ArylEthyne- <i>o</i> -Carborane Skeleton by Acridine Introduction. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 2984-2988 | 3.2 | 16 |
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