

Masayuki Gon

List of Publications by Year in descending order

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papers

2,220
citations

218381

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1549
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Planar Chiral Tetrasubstituted [2.2]Paracyclophane: Optical Resolution and Functionalization. <i>Journal of the American Chemical Society</i> , 2014, 136, 3350-3353. | 6.6 | 310 |
| 2 | Recent progress in the development of advanced element-block materials. <i>Polymer Journal</i> , 2018, 50, 109-126. | 1.3 | 121 |
| 3 | Optically active cyclic compounds based on planar chiral [2.2]paracyclophane: extension of the conjugated systems and chiroptical properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 521-529. | 2.7 | 99 |
| 4 | A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double Bond π -Conjugated System Based on a Fused Azobenzene-Boron Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6546-6551. | 7.2 | 87 |
| 5 | 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. | 1.7 | 86 |
| 6 | 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 |
| 7 | Creative Synthesis of Organic-Inorganic Molecular Hybrid Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 463-474. | 2.0 | 81 |
| 8 | Synthesis of Optically Active, π -Shaped, Conjugated Compounds and Dendrimers Based on Planar Chiral [2.2]Paracyclophane, Leading to Highly Emissive Circularly Polarized Luminescence. <i>Chemistry - A European Journal</i> , 2016, 22, 2291-2298. | 1.7 | 79 |
| 9 | 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 |
| 10 | Enhancement and Controlling the Signal of Circularly Polarized Luminescence Based on a Planar Chiral Tetrasubstituted [2.2]Paracyclophane Framework in Aggregation System. <i>Macromolecules</i> , 2017, 50, 1790-1802. | 2.2 | 63 |
| 11 | New Types of Planar Chiral [2.2]Paracyclophanes and Construction of One-Handed Double Helices. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2524-2527. | 1.7 | 62 |
| 12 | Optically Active Phenylethene Dimers Based on Planar Chiral Tetrasubstituted [2.2]Paracyclophane. <i>Chemistry - A European Journal</i> , 2017, 23, 6323-6329. | 1.7 | 50 |
| 13 | 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. | 1.7 | 47 |
| 14 | Spiral Eu(III) coordination polymers with circularly polarized luminescence. <i>Chemical Communications</i> , 2018, 54, 10695-10697. | 2.2 | 47 |
| 15 | Enhancement of Aggregation-Induced Emission by Introducing Multiple o-Carborane Substitutions into Triphenylamine. <i>Molecules</i> , 2017, 22, 2009. | 1.7 | 45 |
| 16 | Chiral lanthanide lumino-glass for a circularly polarized light security device. <i>Communications Chemistry</i> , 2020, 3, . | 2.0 | 45 |
| 17 | Construction of the Luminescent Donor-Acceptor Conjugated Systems Based on Boron-Fused Azomethine Acceptor. <i>Macromolecules</i> , 2019, 52, 3387-3393. | 2.2 | 38 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | A silver-induced higher-ordered structure based on planar chiral tetrasubstituted [2.2]paracyclophane. <i>Chemical Communications</i> , 2017, 53, 8304-8307. | 2.2 | 35 |
| 20 | 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 |
| 21 | Highly Emissive Optically Active Conjugated Dimers Consisting of a Planar Chiral [2.2]Paracyclophane Showing Circularly Polarized Luminescence. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7756-7762. | 1.2 | 33 |
| 22 | Hash-Mark-Shaped Azaacene Tetramers with Axial Chirality. <i>Journal of the American Chemical Society</i> , 2018, 140, 7152-7158. | 6.6 | 32 |
| 23 | Synthesis of enantiopure planar chiral bis(<i>para</i>)-pseudo- <i>meta</i> -type [2.2]paracyclophanes. <i>Chirality</i> , 2018, 30, 1109-1114. | 1.3 | 32 |
| 24 | Elastic and mechanofluorochromic hybrid films with POSS-capped polyurethane and polyfluorene. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1174-1180. | 3.2 | 28 |
| 25 | Synthesis of fully-fused bisboron azomethine complexes and their conjugated polymers with solid-state near-infrared emission. <i>Chemical Communications</i> , 2020, 56, 6575-6578. | 2.2 | 28 |
| 26 | Control of intramolecular excimer emission in luminophore-integrated ionic POSSs possessing flexible side-chains. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1449-1455. | 3.2 | 27 |
| 27 | 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. | 1.7 | 26 |
| 28 | 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 |
| 29 | Optically Active Cyclic Compounds Based on Planar Chiral [2.2]Paracyclophane with Naphthalene Units. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 353-359. | 1.3 | 25 |
| 30 | 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 |
| 31 | 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 |
| 32 | Electronic chirality inversion of lanthanide complex induced by achiral molecules. <i>Scientific Reports</i> , 2018, 8, 16395. | 1.6 | 22 |
| 33 | Electronic strain effect on Eu(III) complexes for enhanced circularly polarized luminescence. <i>Dalton Transactions</i> , 2020, 49, 5352-5361. | 1.6 | 22 |
| 34 | 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 |
| 35 | Unique Substitution Effect at 5,5'-Positions of Fused Azobenzene-Boron Complexes with a N=N π -Conjugated System. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1837-1843. | 1.7 | 21 |
| 36 | A Highly Efficient Near-Infrared Emissive Copolymer with a N=N Double Bond π -Conjugated System Based on a Fused Azobenzene-Boron Complex. <i>Angewandte Chemie</i> , 2018, 130, 6656-6661. | 1.6 | 20 |

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|----|--|-----|-----------|
| 37 | Facile strategy for obtaining luminescent polymorphs based on the chirality of a boron-fused azomethine complex. <i>Chemical Communications</i> , 2020, 56, 15305-15308. | 2.2 | 20 |
| 38 | Preparation of Near-Infrared Emissive π -Conjugated Polymer Films Based on Boron-Fused Azobenzene Complexes with Perpendicularly Protruded Aryl Substituents. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000566. | 2.0 | 20 |
| 39 | Design Strategies and Recent Results for Near-Infrared-Emissive Materials Based on Element-Block π -Conjugated Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2290-2301. | 2.0 | 20 |
| 40 | Discovery of Functional Luminescence Properties Based on Flexible and Bendable Boron-Fused Azomethine/Azobenzene Complexes with O,N,O-Type Tridentate Ligands. <i>Chemical Record</i> , 2021, 21, 1358-1373. | 2.9 | 20 |
| 41 | Conjugated microporous polymers consisting of tetrasubstituted [2.2]Paracyclophane junctions. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2311-2316. | 2.5 | 19 |
| 42 | Recent developments in stimuli-responsive luminescent polymers composed of boron compounds. <i>Polymer Chemistry</i> , 2021, 12, 6372-6380. | 1.9 | 19 |
| 43 | 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. <i>Polymer Chemistry</i> , 2021, 12, 2752-2759. | 1.9 | 16 |
| 44 | 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. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2690-2695. | 3.2 | 15 |
| 45 | Controlling Energy Gaps of π -Conjugated Polymers by Multi-Fluorinated Boron-Fused Azobenzene Acceptors for Highly Efficient Near-Infrared Emission. <i>Chemistry - an Asian Journal</i> , 2021, 16, 696-703. | 1.7 | 15 |
| 46 | Development of NIR emissive fully-fused bisboron complexes with π -conjugated systems including multiple azo groups. <i>Dalton Transactions</i> , 2021, 51, 74-84. | 1.6 | 15 |
| 47 | Vapochromic Luminescent π -Conjugated Systems with Reversible Coordination-Number Control of Hypervalent Tin(IV)-Fused Azobenzene Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 7561-7571. | 1.7 | 14 |
| 48 | Preparation of bright-emissive hybrid materials based on light-harvesting POSS having radially integrated luminophores and commercial π -conjugated polymers. <i>Materials Chemistry Frontiers</i> , 2019, 3, 314-320. | 3.2 | 12 |
| 49 | Paintable Hybrids with Thermally Stable Dual Emission Composed of Tetraphenylethene-Integrated POSS and MEH-PPV for Heat-Resistant White-Light Luminophores. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12483-12490. | 4.0 | 11 |
| 50 | Stretchable Conductive Hybrid Films Consisting of Cubic Silsesquioxane-capped Polyurethane and Poly(3-hexylthiophene). <i>Polymers</i> , 2019, 11, 1195. | 2.0 | 10 |
| 51 | PPV-type π -conjugated polymers based on hypervalent tin(IV)-fused azobenzene complexes showing near-infrared absorption and emission. <i>Polymer Journal</i> , 2021, 53, 1241-1249. | 1.3 | 10 |
| 52 | Double Heterohelicenes Composed of Benzo[b]- and Dibenzo[b,i]phenoxazine: A Comprehensive Comparison of Their Electronic and Chiroptical Properties. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9283-9292. | 2.1 | 10 |
| 53 | Stimuli-Responsive Self-Assembly of π -Conjugated Liquids Triggers Circularly Polarized Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47127-47133. | 4.0 | 10 |
| 54 | Synthesis and Characterization of [2.2]Paracyclophane-Containing Conjugated Microporous Polymers. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 572-579. | 1.1 | 8 |

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|----|--|-----|-----------|
| 55 | Modulation of <scp>stimuliâ€responsiveness</scp> toward acid vapor between <scp>realâ€time</scp> and <scp>writeâ€erase</scp> responses based on conjugated polymers containing azobenzene and Schiff base moieties. Journal of Polymer Science, 2021, 59, 1596-1602. | 2.0 | 7 |
| 56 | Recent Progress on Designable Hybrids with Stimuliâ€Responsive Optical Properties Originating from Molecular Assembly Concerning Polyhedral Oligomeric Silsesquioxane. Chemistry - an Asian Journal, 2022, 17, . | 1.7 | 7 |
| 57 | Oxygen-Resistant Electrochemiluminescence System with Polyhedral Oligomeric Silsesquioxane. Polymers, 2019, 11, 1170. | 2.0 | 6 |
| 58 | Asymmetric Lumino-Transformer: Circularly Polarized Luminescence of Chiral Eu(III) Coordination Polymer with Phase-Transition Behavior. Journal of Physical Chemistry B, 2022, 126, 3799-3807. | 1.2 | 5 |
| 59 | Molecular Designs for Solid-State Luminescent Properties and Recent Progresses on the Development of Functional Luminescent Solid Materials. , 2021, , 309-341. | | 2 |
| 60 | Element-Block Materials: New Concept for the Development of Advanced Hybrids and Inorganic Polymers. , 2019, , 3-25. | | 1 |
| 61 | Synthesis of Optically Active, X-Shaped, Conjugated Compounds and Dendrimers Based on Planar Chiral [2.2]Paracyclophane, Leading to Highly Emissive Circularly Polarized Luminescence. Chemistry - A European Journal, 2016, 22, 2189-2189. | 1.7 | 0 |
| 62 | Nearâ€Infrared Circularly Polarized Luminescence through Intramolecular Excimer Formation of Oligo(p â€phenyleneethynylene)â€Based Double Helicates. Chemistry - A European Journal, 2019, 25, 9122-9122. | 1.7 | 0 |
| 63 | Acceleration of Chemiluminescence Reactions with Coumarin-Modified Polyhedral Oligomeric Silsesquioxane. Bulletin of the Chemical Society of Japan, 2022, 95, 743-747. | 2.0 | 0 |
| 64 | Fundamental chemistry and applications of boron complexes having aggregation-induced emission properties. , 2022, , 23-44. | | 0 |