

# Masayuki Gon

## List of Publications by Citations

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60  
papers

1,456  
citations

21  
h-index

37  
g-index

71  
ext. papers

1,908  
ext. citations

5.7  
avg, IF

5.42  
L-index

#	Paper	IF	Citations
60	Planar chiral tetrasubstituted [2.2]paracyclophane: optical resolution and functionalization. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 3350-3	16.4	230
59	Recent progress in the development of advanced element-block materials. <i>Polymer Journal</i> , <b>2018</b> , 50, 109-126	2.7	94
58	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> , <b>2015</b> , 3, 521-529	7.1	79
57	A Flexible, Fused, Azomethine-Boron Complex: Thermochromic Luminescence and Thermosolient Behavior in Structural Transitions between Crystalline Polymorphs. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11827-11833	4.8	73
56	Creative Synthesis of Organic-Inorganic Molecular Hybrid Materials. <i>Bulletin of the Chemical Society of Japan</i> , <b>2017</b> , 90, 463-474	5.1	67
55	Synthesis of Optically Active, X-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> , <b>2016</b> , 22, 2291-8	4.8	65
54	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> , <b>2018</b> , 57, 6546-6551	16.4	58
53	Concept of Excitation-Driven Boron Complexes and Their Applications for Functional Luminescent Materials. <i>Bulletin of the Chemical Society of Japan</i> , <b>2019</b> , 92, 7-18	5.1	58
52	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> , <b>2017</b> , 50, 1790-1802	5.5	47
51	Diaryl-amino- and Diaryl-boryl-Substituted Donor-Acceptor Pyrene Derivatives: Influence of Substitution Pattern on Their Photophysical Properties. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 5111-5121	4.2	41
50	New Types of Planar Chiral [2.2]Paracyclophanes and Construction of One-Handed Double Helices. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2524-7	4.5	41
49	Optically Active Phenylethene Dimers Based on Planar Chiral Tetrasubstituted [2.2]Paracyclophane. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6323-6329	4.8	39
48	Enhancement of Aggregation-Induced Emission by Introducing Multiple o-Carborane Substitutions into Triphenylamine. <i>Molecules</i> , <b>2017</b> , 22,	4.8	37
47	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> , <b>2020</b> , 142, 10025-10033	16.4	32
46	Spiral Eu(III) coordination polymers with circularly polarized luminescence. <i>Chemical Communications</i> , <b>2018</b> , 54, 10695-10697	5.8	29
45	A silver(I)-induced higher-ordered structure based on planar chiral tetrasubstituted [2.2]paracyclophane. <i>Chemical Communications</i> , <b>2017</b> , 53, 8304-8307	5.8	27
44	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> , <b>2015</b> , 2015, 7756-7762	3.2	26

43	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> , <b>2016</b> , 6, 78652-78660	3.7	24
42	Optically Active Cyclic Compounds Based on Planar Chiral [2.2]Paracyclophane with Naphthalene Units. <i>Asian Journal of Organic Chemistry</i> , <b>2016</b> , 5, 353-359	3	23
41	Elastic and mechanofluorochromic hybrid films with POSS-capped polyurethane and polyfluorene. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 1174-1180	7.8	22
40	Construction of the Luminescent Donor-Acceptor Conjugated Systems Based on Boron-Fused Azomethine Acceptor. <i>Macromolecules</i> , <b>2019</b> , 52, 3387-3393	5.5	21
39	Hash-Mark-Shaped Azaacene Tetramers with Axial Chirality. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7152-7158	16.4	21
38	Near-Infrared Circularly Polarized Luminescence through Intramolecular Excimer Formation of Oligo(p-phenyleneethynylene)-Based Double Helicates. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9211-9216	4.8	19
37	Control of intramolecular excimer emission in luminophore-integrated ionic POSSs possessing flexible side-chains. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1449-1455	7.8	18
36	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> , <b>2017</b> , 25, 3431-3436	3.4	17
35	Near-Infrared Absorptive and Emissive Poly(p-phenylene vinylene) Derivative Containing Azobenzene-Boron Complexes. <i>Macromolecules</i> , <b>2020</b> , 53, 4524-4532	5.5	17
34	Chiral lanthanide lumino-glass for a circularly polarized light security device. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	17
33	Synthesis of enantiopure planar chiral bis-(para)-pseudo-meta-type [2.2]paracyclophanes. <i>Chirality</i> , <b>2018</b> , 30, 1109-1114	2.1	16
32	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</i> , <b>2018</b> , 130, 6656-6661	3.6	15
31	Electronic chirality inversion of lanthanide complex induced by achiral molecules. <i>Scientific Reports</i> , <b>2018</b> , 8, 16395	4.9	15
30	Synthesis of fully-fused bisboron azomethine complexes and their conjugated polymers with solid-state near-infrared emission. <i>Chemical Communications</i> , <b>2020</b> , 56, 6575-6578	5.8	14
29	Conjugated microporous polymers consisting of tetrasubstituted [2.2]Paracyclophane junctions. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 2311-2316	2.5	14
28	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> , <b>2020</b> , 10, 615	2.3	13
27	Unique Substitution Effect at 5,5-Positions of Fused Azobenzene-Boron Complexes with a N=N $\pi$ -Conjugated System. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1837-1843	4.5	12
26	Preparation of bright-emissive hybrid materials based on light-harvesting POSS having radially integrated luminophores and commercial $\pi$ -conjugated polymers. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 314-320	7.8	10

25	Electronic strain effect on Eu(III) complexes for enhanced circularly polarized luminescence. <i>Dalton Transactions</i> , <b>2020</b> , 49, 5352-5361	4.3	10
24	Facile strategy for obtaining luminescent polymorphs based on the chirality of a boron-fused azomethine complex. <i>Chemical Communications</i> , <b>2020</b> , 56, 15305-15308	5.8	9
23	Molecular design and application of luminescent materials composed of group 13 elements with an aggregation-induced emission property. <i>National Science Review</i> , <b>2021</b> , 8, nwab049	10.8	9
22	Preparation of Near-Infrared Emissive $\pi$ -Conjugated Polymer Films Based on Boron-Fused Azobenzene Complexes with Perpendicularly Protruded Aryl Substituents. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2000566	4.8	9
21	Synthesis and Characterization of [2.2]Paracyclophane-Containing Conjugated Microporous Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 572-579	2.6	8
20	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> , <b>2019</b> , 3, 2690-2695	7.8	8
19	Stretchable Conductive Hybrid Films Consisting of Cubic Silsesquioxane-capped Polyurethane and Poly(3-hexylthiophene). <i>Polymers</i> , <b>2019</b> , 11,	4.5	7
18	Oxygen-Resistant Electrochemiluminescence System with Polyhedral Oligomeric Silsesquioxane. <i>Polymers</i> , <b>2019</b> , 11,	4.5	5
17	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> , <b>2021</b> , 12, 2752-2759	4.9	5
16	Controlling Energy Gaps of $\pi$ -Conjugated Polymers by Multi-Fluorinated Boron-Fused Azobenzene Acceptors for Highly Efficient Near-Infrared Emission. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 696-703	4.5	5
15	Design Strategies and Recent Results for Near-Infrared-Emissive Materials Based on Element-Block $\pi$ -Conjugated Polymers. <i>Bulletin of the Chemical Society of Japan</i> ,	5.1	5
14	Stimuli-Responsive Self-Assembly of $\pi$ -Conjugated Liquids Triggers Circularly Polarized Luminescence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47127-47133	9.5	4
13	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> , <b>2021</b> , 21, 1358-1373	6.6	4
12	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 &amp; Interfaces</i> , <b>2021</b> , 13, 12483-12490	9.5	3
11	Vapochromic Luminescent $\pi$ -Conjugated Systems with Reversible Coordination-Number Control of Hypervalent Tin(IV)-Fused Azobenzene Complexes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 7561-7571	4.8	3
10	PPV-type $\pi$ -conjugated polymers based on hypervalent tin(IV)-fused azobenzene complexes showing near-infrared absorption and emission. <i>Polymer Journal</i> ,	2.7	3
9	Double Heterohelicenes Composed of Benzo[ <i>b</i> ]- and Dibenzo[ <i>a,c'</i> ]phenoxazine: A Comprehensive Comparison of Their Electronic and Chiroptical Properties. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 9283-9292	6.4	2
8	Element-Block Materials: New Concept for the Development of Advanced Hybrids and Inorganic Polymers <b>2019</b> , 3-25		1

- 7 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
- 6 Recent developments in stimuli-responsive luminescent polymers composed of boron compounds. *Polymer Chemistry*, 4.9 1
- 5 Molecular Designs for Solid-State Luminescent Properties and Recent Progresses on the Development of Functional Luminescent Solid Materials **2021**, 309-341 0
- 4 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
- 3 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 4.8
- 2 Designs for AIE Molecules and Functional Luminescent Materials Based on Boron-containing Element-blocks **2022**, 341-365
- 1 Fundamental chemistry and applications of boron complexes having aggregation-induced emission properties **2022**, 23-44