Masayuki Gon

List of Publications by Year in Descending Order

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	Designs for AIE Molecules and Functional Luminescent Materials Based on Boron-containing Element-blocks **2022**, 341-365		
59	Fundamental chemistry and applications of boron complexes having aggregation-induced emission properties **2022**, 23-44		
58	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
57	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
56	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
55	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
54	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
53	Molecular Designs for Solid-State Luminescent Properties and Recent Progresses on the Development of Functional Luminescent Solid Materials **2021**, 309-341		0
52	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
51	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
50	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
49	Stimuli-Responsive Self-Assembly of Conjugated Liquids Triggers Circularly Polarized Luminescence. *ACS Applied Materials & Interfaces*, **2021**, 13, 47127-47133	9.5	4
48	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
47	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
46	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
45	Near-Infrared Absorptive and Emissive Poly(p-phenylene vinylene) Derivative Containing AzobenzeneBoron Complexes. *Macromolecules*, **2020**, 53, 4524-4532	5.5	17
44	Electronic strain effect on Eu(iii) complexes for enhanced circularly polarized luminescence. *Dalton Transactions*, **2020**, 49, 5352-5361	4.3	10

43	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
42	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
41	Chiral lanthanide lumino-glass for a circularly polarized light security device. *Communications Chemistry*, **2020**, 3,	6.3	17
40	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
39	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	
38	Construction of the Luminescent Donor–Acceptor Conjugated Systems Based on Boron-Fused Azomethine Acceptor. *Macromolecules*, **2019**, 52, 3387-3393	5.5	21
37	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
36	Elastic and mechanofluorochromic hybrid films with POSS-capped polyurethane and polyfluorene. *Materials Chemistry Frontiers*, **2019**, 3, 1174-1180	7.8	22
35	Oxygen-Resistant Electrochemiluminescence System with Polyhedral Oligomeric Silsesquioxane. *Polymers*, **2019**, 11,	4.5	5
34	Stretchable Conductive Hybrid Films Consisting of Cubic Silsesquioxane-capped Polyurethane and Poly(3-hexylthiophene). *Polymers*, **2019**, 11,	4.5	7
33	Element-Block Materials: New Concept for the Development of Advanced Hybrids and Inorganic Polymers **2019**, 3-25		1
32	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
31	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
30	Unique Substitution Effect at 5,5′-Positions of Fused Azobenzene-Boron Complexes with a N=N π-Conjugated System. *Chemistry - an Asian Journal*, **2019**, 14, 1837-1843	4.5	12
29	A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double-Bond π-Conjugated System Based on a Fused Azobenzene-Boron Complex. *Angewandte Chemie - International Edition*, **2018**, 57, 6546-6551	16.4	58
28	A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double-Bond π-Conjugated System Based on a Fused Azobenzene–Boron Complex. *Angewandte Chemie*, **2018**, 130, 6656-6661	3.6	15
27	Recent progress in the development of advanced element-block materials. *Polymer Journal*, **2018**, 50, 109-126	2.7	94
26	Synthesis of enantiopure planar chiral bis-(para)-pseudo-meta-type [2.2]paracyclophanes. *Chirality*, **2018**, 30, 1109-1114	2.1	16

25	Control of intramolecular excimer emission in luminophore-integrated ionic POSSs possessing flexible side-chains. *Materials Chemistry Frontiers*, **2018**, 2, 1449-1455	7.8	18
24	Electronic chirality inversion of lanthanide complex induced by achiral molecules. *Scientific Reports*, **2018**, 8, 16395	4.9	15
23	Spiral Eu(iii) coordination polymers with circularly polarized luminescence. *Chemical Communications*, **2018**, 54, 10695-10697	5.8	29
22	Hash-Mark-Shaped Azaacene Tetramers with Axial Chirality. *Journal of the American Chemical Society*, **2018**, 140, 7152-7158	16.4	21
21	Creative Synthesis of Organic–Inorganic Molecular Hybrid Materials. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 463-474	5.1	67
20	Optically Active Phenylethene Dimers Based on Planar Chiral Tetrasubstituted [2.2]Paracyclophane. *Chemistry - A European Journal*, **2017**, 23, 6323-6329	4.8	39
19	Enhancement and Controlling the Signal of Circularly Polarized Luminescence Based on a Planar Chiral Tetrasubstituted [2.2]Paracyclophane Framework in Aggregation System. *Macromolecules*, **2017**, 50, 1790-1802	5.5	47
18	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
17	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
16	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
15	A silver(i)-induced higher-ordered structure based on planar chiral tetrasubstituted [2.2]paracyclophane. *Chemical Communications*, **2017**, 53, 8304-8307	5.8	27
14	Enhancement of Aggregation-Induced Emission by Introducing Multiple o-Carborane Substitutions into Triphenylamine. *Molecules*, **2017**, 22,	4.8	37
13	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
12	New Types of Planar Chiral [2.2]Paracyclophanes and Construction of One-Handed Double Helices. *Chemistry - an Asian Journal*, **2016**, 11, 2524-7	4.5	41
11	Optically Active Cyclic Compounds Based on Planar Chiral [2.2]Paracyclophane with Naphthalene Units. *Asian Journal of Organic Chemistry*, **2016**, 5, 353-359	3	23
10	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	
9	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, 2291-8	4.8	65
8	Optically active cyclic compounds based on planar chiral [2.2]paracyclophane: extension of the conjugated systems and chiroptical properties. *Journal of Materials Chemistry C*, **2015**, 3, 521-529	7.1	79

7	Highly Emissive Optically Active Conjugated Dimers Consisting of a Planar Chiral [2.2]Paracyclophane Showing Circularly Polarized Luminescence. *European Journal of Organic Chemistry*, **2015**, 2015, 7756-7762	3.2	26
6	Planar chiral tetrasubstituted [2.2]paracyclophane: optical resolution and functionalization. *Journal of the American Chemical Society*, **2014**, 136, 3350-3	16.4	230
5	Conjugated microporous polymers consisting of tetrasubstituted [2.2]Paracyclophane junctions. *Journal of Polymer Science Part A*, **2013**, 51, 2311-2316	2.5	14
4	Synthesis and Characterization of [2.2]Paracyclophane-Containing Conjugated Microporous Polymers. *Macromolecular Chemistry and Physics*, **2012**, 213, 572-579	2.6	8
3	PPV-type π-conjugated polymers based on hypervalent tin(IV)-fused azobenzene complexes showing near-infrared absorption and emission. *Polymer Journal*,	2.7	3
2	Recent developments in stimuli-responsive luminescent polymers composed of boron compounds. *Polymer Chemistry*,	4.9	1
1	Design Strategies and Recent Results for Near-Infrared-Emissive Materials Based on Element-Block π-Conjugated Polymers. *Bulletin of the Chemical Society of Japan*,	5.1	5