

# Yoshimitsu Sagara

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54 papers	4,654 citations	27 h-index	57 g-index
57 ext. papers	5,063 ext. citations	8.3 avg, IF	6.07 L-index

#	Paper	IF	Citations
54	Mechanically induced luminescence changes in molecular assemblies. <i>Nature Chemistry</i> , <b>2009</b> , 1, 605-10	17.6	1008
53	Mechanoresponsive Luminescent Molecular Assemblies: An Emerging Class of Materials. <i>Advanced Materials</i> , <b>2016</b> , 28, 1073-95	24	604
52	Material design for piezochromic luminescence: hydrogen-bond-directed assemblies of a pyrene derivative. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1520-1	16.4	525
51	Stimuli-responsive luminescent liquid crystals: change of photoluminescent colors triggered by a shear-induced phase transition. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5175-8	16.4	348
50	Brightly tricolored mechanochromic luminescence from a single-luminophore liquid crystal: reversible writing and erasing of images. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9128-32	16.4	281
49	A Stimuli-Responsive, Photoluminescent, Anthracene-Based Liquid Crystal: Emission Color Determined by Thermal and Mechanical Processes. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1869-1875	15.6	223
48	Rotaxanes as Mechanochromic Fluorescent Force Transducers in Polymers. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1584-1587	16.4	204
47	Mechano- and Thermoresponsive Photoluminescent Supramolecular Polymer. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4302-4305	16.4	146
46	Piezochromic luminescence of amide and ester derivatives of tetraphenylpyrene: Role of amide hydrogen bonds in sensitive piezochromic response. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8347		95
45	Stimuli-Responsive Luminescent Liquid Crystals: Change of Photoluminescent Colors Triggered by a Shear-Induced Phase Transition. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5253-5256	3.6	92
44	Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9294-9298	3.6	88
43	Temperature-Dependent Mechanochromic Behavior of Mechanoresponsive Luminescent Compounds. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1273-1278	9.6	86
42	Rotaxane-Based Mechanophores Enable Polymers with Mechanically Switchable White Photoluminescence. <i>ACS Central Science</i> , <b>2019</b> , 5, 874-881	16.8	76
41	A Water-Soluble Mechanochromic Luminescent Pyrene Derivative Exhibiting Recovery of the Initial Photoluminescence Color in a High-Humidity Environment. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5277-5284	15.6	71
40	Mechanochromic luminescent liquid crystals based on a bianthryl moiety. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 2648	7.1	69
39	Covalent attachment of mechanoresponsive luminescent micelles to glasses and polymers in aqueous conditions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4273-80	16.4	67
38	A Thermo- and Mechanoresponsive Cyano-Substituted Oligo(p-phenylene vinylene) Derivative with Five Emissive States. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 4374-8	4.8	57

37	A thermoresponsive photoluminescent smectic liquid crystal: change of photoluminescent color on the smectic-smectic phase transition. <i>Chemical Communications</i> , <b>2009</b> , 3597-9	5.8	46
36	A mechano- and thermoresponsive luminescent cyclophane. <i>Chemical Communications</i> , <b>2016</b> , 52, 5694-7	5.8	35
35	Mechanoresponsive Behavior of a Polymer-Embedded Red-Light Emitting Rotaxane Mechanophore. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24571-24576	9.5	33
34	Asymmetric Cyclophanes Permit Access to Supercooled Nematic Liquid Crystals with Stimulus-Responsive Luminescence. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6145-6152	9.6	33
33	Stimuli-responsive photoluminescent liquid crystals. <i>Topics in Current Chemistry</i> , <b>2012</b> , 318, 395-405		33
32	Uniaxially Parallel Alignment of a Smectic A Liquid-Crystalline Rod-Coil Molecule and Its Lithium Salt Complexes Using Rubbed Polyimides. <i>Macromolecules</i> , <b>2007</b> , 40, 4874-4878	5.5	33
31	Mechanochemistry in Polymers with Supramolecular Mechanophores. <i>Topics in Current Chemistry</i> , <b>2015</b> , 369, 345-75		30
30	Drastic Modulation of Stimuli-Responsive Fluorescence by a Subtle Structural Change of Organic Fluorophore and Polymorphism Controlled Mechanofluorochromism. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 3971-3979	3.5	29
29	Thermal or mechanical stimuli-induced photoluminescence color change of a molecular assembly composed of an amphiphilic anthracene derivative in water. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 10397-403	4.8	28
28	Mechanically Responsive Luminescent Polymers Based on Supramolecular Cyclophane Mechanophores. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 5519-5525	16.4	27
27	A mechanical and thermal responsive luminescent liquid crystal forming a colourless film under room light. <i>Supramolecular Chemistry</i> , <b>2011</b> , 23, 310-314	1.8	24
26	Steric effects on excimer formation for photoluminescent smectic liquid-crystalline materials. <i>Chemical Communications</i> , <b>2013</b> , 49, 3839-41	5.8	22
25	Mechanoresponsive, Luminescent Polymer Blends Based on an Excimer-Forming Telechelic Macromolecule. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800705	4.8	22
24	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2806-2810	16.4	21
23	Folded Perylene Diimide Loops as Mechanoresponsive Motifs. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16191-16199	16.4	21
22	Tuning the thermo- and mechanoresponsive behavior of luminescent cyclophanes. <i>RSC Advances</i> , <b>2016</b> , 6, 80408-80414	3.7	20
21	Rotaxane-Based Dual Function Mechanophores Exhibiting Reversible and Irreversible Responses. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9884-9892	16.4	18
20	Cyclophane-Based Fluorescence Tuning Induced by Hydrostatic Pressure Changes. <i>ChemPhotoChem</i> , <b>2018</b> , 2, 959-963	3.3	17

19	Mechanochromic Luminescence from Crystals Consisting of Intermolecular Hydrogen-Bonded Sheets. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 478-482	4.5	14
18	Mechanoresponsive luminescence and liquid-crystalline behaviour of a cyclophane featuring two 1,6-bis(phenylethynyl)pyrene groups. <i>RSC Advances</i> , <b>2017</b> , 7, 47056-47062	3.7	13
17	Temperature-Controlled Locally Excited and Twisted Intramolecular Charge-Transfer State-Dependent Fluorescence Switching in Triphenylamine-Benzothiazole Derivatives. <i>ACS Omega</i> , <b>2019</b> , 4, 5147-5154	3.9	13
16	Mechano- and Photoresponsive Behavior of a Bis(cyanostyryl)benzene Fluorophore. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6162-6169	4.8	11
15	Unusual fluorescent photoswitching of imidazole derivatives: the role of molecular conformation and twist angle controlled organic solid state fluorescence. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 27385-27393	3.6	11
14	Functional Polymers Through Mechanochemistry. <i>Chimia</i> , <b>2019</b> , 73, 7-11	1.3	10
13	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2856-2860	3.6	8
12	Linearly polarized photoluminescence from an asymmetric cyclophane showing thermo- and mechanoresponsive luminescence. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8453-8459	7.1	7
11	Two Dimensionally Ion-Conductive Liquid Crystals of Cholesterol/Tetra(Ethylene Oxide) Block Molecules. <i>Molecular Crystals and Liquid Crystals</i> , <b>2005</b> , 435, 117/[777]-125/[785]	0.5	7
10	Strain-correlated mechanochromism in different polyurethanes featuring a supramolecular mechanophore. <i>Polymer Chemistry</i> ,	4.9	5
9	A 1,6-Diphenylpyrene-Based, Photoluminescent Cyclophane Showing a Nematic Liquid-Crystalline Phase at Room Temperature. <i>Crystals</i> , <b>2019</b> , 9, 92	2.3	4
8	Mechanical and thermal stimuli-induced release of toluene included in luminescent crystals as one-dimensional solvent channels. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10039-10046	7.1	4
7	Folded Perylene Diimide Loops as Mechanoresponsive Motifs. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16327-16335	3.5	4
6	Crystal structure and thermoresponsive luminescence of a 9,10-bis(phenylethynyl)anthracene-based cyclophane. <i>Molecular Systems Design and Engineering</i> , <b>2020</b> , 5, 205-211	4.6	3
5	Two-step mechanoresponsive luminescence and mechanical stimuli-induced release of small molecules exhibited by a luminescent cyclophane. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 1671-1677	7.1	3
4	Innentitelbild: Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images (Angew. Chem. 39/2011). <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9156-9156	3.6	2
3	Inside Cover: Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images (Angew. Chem. Int. Ed. 39/2011). <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8994-8994	16.4	2
2	Innentitelbild: Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane (Angew. Chem. 11/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2778-2778	3.6	

- 1      Supramolecular Rings as Building Blocks for Stimuli-Responsive Materials. *Gels*, **2022**, 8, 350 4.2