Yoshimitsu Sagara

List of Publications by Year in Descending Order

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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	Supramolecular Rings as Building Blocks for Stimuli-Responsive Materials. *Gels*, **2022**, 8, 350	4.2	
53	Mechanically Responsive Luminescent Polymers Based on Supramolecular Cyclophane Mechanophores. *Journal of the American Chemical Society*, **2021**, 143, 5519-5525	16.4	27
52	Rotaxane-Based Dual Function Mechanophores Exhibiting Reversible and Irreversible Responses. *Journal of the American Chemical Society*, **2021**, 143, 9884-9892	16.4	18
51	Folded Perylene Diimide Loops as Mechanoresponsive Motifs. *Angewandte Chemie*, **2021**, 133, 16327-16335	3.6	4
50	Folded Perylene Diimide Loops as Mechanoresponsive Motifs. *Angewandte Chemie - International Edition*, **2021**, 60, 16191-16199	16.4	21
49	Two-step mechanoresponsive luminescence and mechanical stimuli-induced release of small molecules exhibited by a luminescent cyclophane. *Journal of Materials Chemistry C*, **2021**, 9, 1671-1677	7.1	3
48	Mechanical and thermal stimuli-induced release of toluene included in luminescent crystals as one-dimensional solvent channels. *Journal of Materials Chemistry C*, **2020**, 8, 10039-10046	7.1	4
47	Mechanochromic Luminescence from Crystals Consisting of Intermolecular Hydrogen-Bonded Sheets. *Chemistry - an Asian Journal*, **2020**, 15, 478-482	4.5	14
46	Crystal structure and thermoresponsive luminescence of a 9,10-bis(phenylethynyl)anthracene-based cyclophane. *Molecular Systems Design and Engineering*, **2020**, 5, 205-211	4.6	3
45	Mechanoresponsive Behavior of a Polymer-Embedded Red-Light Emitting Rotaxane Mechanophore. *ACS Applied Materials & Interfaces*, **2019**, 11, 24571-24576	9.5	33
44	Rotaxane-Based Mechanophores Enable Polymers with Mechanically Switchable White Photoluminescence. *ACS Central Science*, **2019**, 5, 874-881	16.8	76
43	Temperature-Controlled Locally Excited and Twisted Intramolecular Charge-Transfer State-Dependent Fluorescence Switching in Triphenylamine-Benzothiazole Derivatives. *ACS Omega* , **2019**, 4, 5147-5154	3.9	13
42	Mechano- and Photoresponsive Behavior of a Bis(cyanostyryl)benzene Fluorophore. *Chemistry - A European Journal*, **2019**, 25, 6162-6169	4.8	11
41	Functional Polymers Through Mechanochemistry. *Chimia*, **2019**, 73, 7-11	1.3	10
40	A 1,6-Diphenylpyrene-Based, Photoluminescent Cyclophane Showing a Nematic Liquid-Crystalline Phase at Room Temperature. *Crystals*, **2019**, 9, 92	2.3	4
39	Mechanoresponsive, Luminescent Polymer Blends Based on an Excimer-Forming Telechelic Macromolecule. *Macromolecular Rapid Communications*, **2019**, 40, e1800705	4.8	22
38	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. *Angewandte Chemie*, **2018**, 130, 2856-2860	3.6	8

37	Rotaxanes as Mechanochromic Fluorescent Force Transducers in Polymers. *Journal of the American Chemical Society*, **2018**, 140, 1584-1587	16.4	204
36	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. *Angewandte Chemie - International Edition*, **2018**, 57, 2806-2810	16.4	21
35	Innentitelbild: Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane (Angew. Chem. 11/2018). *Angewandte Chemie*, **2018**, 130, 2778-2778	3.6	
34	Linearly polarized photoluminescence from an asymmetric cyclophane showing thermo- and mechanoresponsive luminescence. *Journal of Materials Chemistry C*, **2018**, 6, 8453-8459	7.1	7
33	Cyclophane-Based Fluorescence Tuning Induced by Hydrostatic Pressure Changes. *ChemPhotoChem* , **2018**, 2, 959-963	3.3	17
32	Unusual fluorescent photoswitching of imidazole derivatives: the role of molecular conformation and twist angle controlled organic solid state fluorescence. *Physical Chemistry Chemical Physics*, **2018**, 20, 27385-27393	3.6	11
31	Drastic Modulation of Stimuli-Responsive Fluorescence by a Subtle Structural Change of Organic Fluorophore and Polymorphism Controlled Mechanofluorochromism. *Crystal Growth and Design*, **2018**, 18, 3971-3979	3.5	29
30	Mechano- and Thermoresponsive Photoluminescent Supramolecular Polymer. *Journal of the American Chemical Society*, **2017**, 139, 4302-4305	16.4	146
29	Temperature-Dependent Mechanochromic Behavior of Mechanoresponsive Luminescent Compounds. *Chemistry of Materials*, **2017**, 29, 1273-1278	9.6	86
28	Mechanoresponsive luminescence and liquid-crystalline behaviour of a cyclophane featuring two 1,6-bis(phenylethynyl)pyrene groups. *RSC Advances*, **2017**, 7, 47056-47062	3.7	13
27	Asymmetric Cyclophanes Permit Access to Supercooled Nematic Liquid Crystals with Stimulus-Responsive Luminescence. *Chemistry of Materials*, **2017**, 29, 6145-6152	9.6	33
26	Tuning the thermo- and mechanoresponsive behavior of luminescent cyclophanes. *RSC Advances*, **2016**, 6, 80408-80414	3.7	20
25	Mechanoresponsive Luminescent Molecular Assemblies: An Emerging Class of Materials. *Advanced Materials*, **2016**, 28, 1073-95	24	604
24	A mechano- and thermoresponsive luminescent cyclophane. *Chemical Communications*, **2016**, 52, 5694-7	5.8	35
23	A Thermo- and Mechanoresponsive Cyano-Substituted Oligo(p-phenylene vinylene) Derivative with Five Emissive States. *Chemistry - A European Journal*, **2016**, 22, 4374-8	4.8	57
22	Mechanochemistry in Polymers with Supramolecular Mechanophores. *Topics in Current Chemistry*, **2015**, 369, 345-75		30
21	Covalent attachment of mechanoresponsive luminescent micelles to glasses and polymers in aqueous conditions. *Journal of the American Chemical Society*, **2014**, 136, 4273-80	16.4	67
20	Thermal or mechanical stimuli-induced photoluminescence color change of a molecular assembly composed of an amphiphilic anthracene derivative in water. *Chemistry - A European Journal*, **2014**, 20, 10397-403	4.8	28

19	Mechanochromic luminescent liquid crystals based on a bianthryl moiety. *Journal of Materials Chemistry C*, **2013**, 1, 2648	7.1	69
18	Steric effects on excimer formation for photoluminescent smectic liquid-crystalline materials. *Chemical Communications*, **2013**, 49, 3839-41	5.8	22
17	A Water-Soluble Mechanochromic Luminescent Pyrene Derivative Exhibiting Recovery of the Initial Photoluminescence Color in a High-Humidity Environment. *Advanced Functional Materials*, **2013**, 23, 5277-5284	15.6	71
16	Stimuli-responsive photoluminescent liquid crystals. *Topics in Current Chemistry*, **2012**, 318, 395-405		33
15	Piezochromic luminescence of amide and ester derivatives of tetraphenylpyrene: role of amide hydrogen bonds in sensitive piezochromic response. *Journal of Materials Chemistry*, **2011**, 21, 8347		95
14	A mechanical and thermal responsive luminescent liquid crystal forming a colourless film under room light. *Supramolecular Chemistry*, **2011**, 23, 310-314	1.8	24
13	Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images. *Angewandte Chemie*, **2011**, 123, 9294-9298	3.6	88
12	Innentitelbild: Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images (Angew. Chem. 39/2011). *Angewandte Chemie*, **2011**, 123, 9156-9156	3.6	2
11	Brightly tricolored mechanochromic luminescence from a single-luminophore liquid crystal: reversible writing and erasing of images. *Angewandte Chemie - International Edition*, **2011**, 50, 9128-32	16.4	281
10	Inside Cover: Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images (Angew. Chem. Int. Ed. 39/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 8994-8994	16.4	2
9	A Stimuli-Responsive, Photoluminescent, Anthracene-Based Liquid Crystal: Emission Color Determined by Thermal and Mechanical Processes. *Advanced Functional Materials*, **2009**, 19, 1869-1875	15.6	223
8	Mechanically induced luminescence changes in molecular assemblies. *Nature Chemistry*, **2009**, 1, 605-10	17.6	1008
7	A thermoresponsive photoluminescent smectic liquid crystal: change of photoluminescent color on the smectic-smectic phase transition. *Chemical Communications*, **2009**, 3597-9	5.8	46
6	Stimuli-responsive luminescent liquid crystals: change of photoluminescent colors triggered by a shear-induced phase transition. *Angewandte Chemie - International Edition*, **2008**, 47, 5175-8	16.4	348
5	Stimuli-Responsive Luminescent Liquid Crystals: Change of Photoluminescent Colors Triggered by a Shear-Induced Phase Transition. *Angewandte Chemie*, **2008**, 120, 5253-5256	3.6	92
4	Uniaxially Parallel Alignment of a Smectic A Liquid-Crystalline Rod-Coil Molecule and Its Lithium Salt Complexes Using Rubbed Polyimides. *Macromolecules*, **2007**, 40, 4874-4878	5.5	33
3	Material design for piezochromic luminescence: hydrogen-bond-directed assemblies of a pyrene derivative. *Journal of the American Chemical Society*, **2007**, 129, 1520-1	16.4	525
2	Two Dimensionally Ion-Conductive Liquid Crystals of Cholesterol/Tetra(Ethylene Oxide) Block Molecules. *Molecular Crystals and Liquid Crystals*, **2005**, 435, 117/[777]-125/[785]	0.5	7

1	Strain-correlated mechanochromism in different polyurethanes featuring a supramolecular mechanophore. *Polymer Chemistry*,	4.9	5