

# Shogo Yamane

## List of Publications by Year in descending order

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31  
papers

1,475  
citations

687363

13  
h-index

434195

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and synthesis of proton-dopable organic semiconductors. RSC Advances, 2022, 12, 6748-6754.	3.6	2
2	Disposition of Fluorine on New Firefighter Turnout Gear. Environmental Science & Technology, 2022, 56, 974-983.	10.0	20
3	Aging of polypropylene probed by near infrared spectroscopy. Journal of Near Infrared Spectroscopy, 2021, 29, 259-268.	1.5	2
4	End-Group Analysis of Polyphenylene Sulfide by Thermal Desorption/Pyrolysis-Direct Analysis in Real Time-Mass Spectrometry. Bunseki Kagaku, 2021, 70, 45-51.	0.2	1
5	Determination of the Block Sequence of Linear Triblock Copolyethers Using Thermal Desorption/Pyrolysis Direct Analysis in Real-Time Mass Spectrometry. Macromolecules, 2021, 54, 10388-10394.	4.8	5
6	A data mining method from pyrolyzed products: Pyrolysis-gas chromatography-photoionization-high resolution time-of-flight mass spectrometry and Kendrick mass defect analysis for polymer semiconductor poly(3-hexylthiophene). Journal of Analytical and Applied Pyrolysis, 2020, 151, 104923.	5.5	4
7	Solvent-induced degradation of polyurethane studied by two-dimensional (2D) infrared (IR) correlation spectroscopy. Vibrational Spectroscopy, 2020, 108, 103062.	2.2	9
8	Thermal stabilities and conformational behaviors of isocyanurates and cyclotrimerization energies of isocyanates: a computational study. RSC Advances, 2020, 10, 15955-15965.	3.6	6
9	Temperature dependence of structural alteration by ultraviolet irradiation in acrylic-urethane coatings studied by positron annihilation spectroscopy and solvent swelling behavior. Polymer Degradation and Stability, 2019, 162, 85-93.	5.8	11
10	Improving the Acid and Base Resistance of Polyurethane Using Carbon Nanotubes. Macromolecular Chemistry and Physics, 2019, 220, 1900235.	2.2	3
11	A thermal oxidative degradation study of triallyl isocyanurate crosslinking moiety in fluorinated rubber by two-dimensional infrared correlation spectroscopy. Vibrational Spectroscopy, 2018, 98, 30-34.	2.2	17
12	Photostability of Poly(3-hexylthiophene) (P3HT) in P3HT:Fullerene Films: Effects of Dispersed Structures of Fullerene Derivatives. Bulletin of the Chemical Society of Japan, 2018, 91, 1187-1192.	3.2	4
13	Experimental analysis of stabilizing effects of carbon nanotubes (CNTs) on thermal oxidation of poly(ethylene glycol)-CNT composites. Chemical Physics Letters, 2017, 670, 32-36.	2.6	7
14	ESR spin trapping determination of the hydroperoxide concentration in polyethylene oxide (PEO) in aqueous solution. Polymer Degradation and Stability, 2017, 139, 89-96.	5.8	13
15	Relationship between photostability and nanostructures in DTS(FBTTh <sub>2</sub> ):fullerene bulk-heterojunction films. Solar Energy Materials and Solar Cells, 2016, 151, 96-101.	6.2	7
16	Experimental and modeling approaches for the formation of hydroperoxide during the auto-oxidation of polymers: Thermal-oxidative degradation of polyethylene oxide. Chemical Physics Letters, 2016, 657, 83-89.	2.6	20
17	Thermal stabilization of organic photovoltaic cells using [6,6]-phenyl C <sub>61</sub> -butyric acid methyl ester analogs: Effects of alkyl substituents on the nanostructures of bulk heterojunction films and their stabilities. Synthetic Metals, 2016, 221, 61-66.	3.9	3
18	Mechanoresponsive Luminescent Molecular Assemblies: An Emerging Class of Materials. Advanced Materials, 2016, 28, 1073-1095.	21.0	740

#	ARTICLE	IF	CITATIONS
19	Mechanoresponsive liquid crystals exhibiting reversible luminescent color changes at ambient temperature. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2752-2760.	5.5	62
20	MALDI-TOF MS Study of the Photooxidation of PCBM and Its Suppression by P3HT. <i>Chemistry Letters</i> , 2015, 44, 339-341.	1.3	15
21	Fulleropyrrolidine Derivatives with Benzophenone Moiety as Electron Acceptors in Thermally Stable Organic Photovoltaic Devices. <i>Chemistry Letters</i> , 2015, 44, 527-529.	1.3	5
22	High-resolution MALDI-TOF MS study on analysis of low-molecular-weight products from photooxidation of poly(3-hexylthiophene). <i>Journal of Mass Spectrometry</i> , 2015, 50, 1006-1012.	1.6	10
23	ESR study of singlet oxygen generation and its behavior during the photo-oxidation of P3HT in solution. <i>Chemical Physics Letters</i> , 2015, 624, 87-92.	2.6	35
24	Photooxidation studies on indene-C60 adducts. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 135-140.	6.2	9
25	Mechanochromic Photoluminescent Liquid Crystals Containing 5,5-Bis(2-phenylethynyl)-2,2-bithiophene. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 594, 112-121.	0.9	14
26	Mechanochromic luminescent liquid crystals based on a bianthryl moiety. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2648.	5.5	82
27	Steric effects on excimer formation for photoluminescent smectic liquid-crystalline materials. <i>Chemical Communications</i> , 2013, 49, 3839.	4.1	28
28	Stimuli-Responsive Photoluminescent Liquid Crystals. <i>Topics in Current Chemistry</i> , 2011, 318, 395-405.	4.0	39
29	Functional Soft Materials: Nanostructured Liquid Crystals and Self-Assembled Fibrous Aggregates. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2010, 68, 1169-1174.	0.1	9
30	A Stimuli-Responsive, Photoluminescent, Anthracene-Based Liquid Crystal: Emission Color Determined by Thermal and Mechanical Processes. <i>Advanced Functional Materials</i> , 2009, 19, 1869-1875.	14.9	241
31	A thermoresponsive photoluminescent smectic liquid crystal: change of photoluminescent color on the smectic-smectic phase transition. <i>Chemical Communications</i> , 2009, , 3597.	4.1	52