

Masato Nakaya

List of Publications by Year in descending order

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17
papers

284
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1040056

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940533

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19
docs citations

19
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Metal-Encapsulating Si ₁₆ Cage Superatoms. <i>Accounts of Chemical Research</i> , 2018, 51, 1735-1745.	15.6	63
2	Molecular Scale Control of Unbound and Bound C ₆₀ for Topochemical Ultradense Data Storage in an Ultrathin C ₆₀ Film. <i>Advanced Materials</i> , 2010, 22, 1622-1625.	21.0	61
3	Columnar Liquid Crystals from a Giant Macrocycle Mesogen. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 167-171.	13.8	37
4	Reversibility- Controlled Single Molecular Level Chemical Reaction in a C ₆₀ Monolayer via Ionization Induced by Scanning Transmission Microscopy. <i>Small</i> , 2008, 4, 538-541.	10.0	35
5	Scanning tunneling microscopy and spectroscopy of electron-irradiated thin films of C60 molecules. <i>Carbon</i> , 2011, 49, 1829-1833.	10.3	16
6	Control of electric, optical, thermal properties of C60 films by electron-beam irradiation. <i>Carbon</i> , 2019, 152, 882-887.	10.3	15
7	Morphological and optical properties of $\hat{1}\pm$ - and $\hat{1}^2$ -phase zinc ($\hat{\text{A}}^{\text{Y}}$) phthalocyanine thin films for application to organic photovoltaic cells. <i>Journal of Chemical Physics</i> , 2020, 153, 144704.	3.0	12
8	Spectroscopic and first-principles calculation studies of the chemical forms of palladium ion in nitric acid solution for development of disposal of high-level radioactive nuclear wastes. <i>AIP Advances</i> , 2018, 8, 045221.	1.3	10
9	Spectroscopic and theoretical studies on the structural, electronic, and optical properties of zinc octaethylporphyrin/C60 co-deposited films. <i>Journal of Chemical Physics</i> , 2017, 147, 214701.	3.0	9
10	Columnar Liquid Crystals from a Giant Macrocycle Mesogen. <i>Angewandte Chemie</i> , 2018, 130, 173-177.	2.0	9
11	Thermally Stable Array of Discrete C ₆₀ s on a Two-Dimensional Crystalline Adlayer of Macrocycles both in Vacuo and under Ambient Pressure. <i>Journal of the American Chemical Society</i> , 2022, 144, 6749-6758.	13.7	4
12	Electron-beam irradiation of photopolymerized C60 film studied using <i>in situ</i> scanning tunneling microscope, <i>in situ</i> Fourier-transform infrared spectroscopy, and first-principles calculations. <i>AIP Advances</i> , 2020, 10, .	1.3	3
13	Photopolymerization effects on the external quantum efficiency of fullerene/zinc phthalocyanine heterojunction solar cells. <i>AIP Advances</i> , 2021, 11, .	1.3	3
14	Unraveling the reasons behind lead phthalocyanine acting as a good absorber for near-infrared sensitive devices. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
15	Kinetic study of photopolymerization and depolymerization in C60 films using <i>in situ</i> Fourier-transform infrared spectroscopy for development of C60-based thermoelectric materials. <i>Chemical Physics Letters</i> , 2022, 801, 139744.	2.6	2
16	Improvement of External Quantum Efficiency of C60/ZnPc Organic Photovoltaic Cells by Polymerization between C60 molecules. , 2019, .		0
17	Resolving Site-Specific Energy Levels of Small-Molecule Donor-Acceptor Heterostructures Close to Metal Contacts. <i>Nanomaterials</i> , 2021, 11, 1618.	4.1	0