

Fumihiko Uesugi

List of Publications by Year in descending order

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17
papers

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1163117

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times ranked

209
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconductor nanochannels in metallic carbon nanotubes by thermomechanical chirality alteration. <i>Science</i> , 2021, 374, 1616-1620.	12.6	32
2	Metamorphic GaAs/GaAsBi Heterostructured Nanowires. <i>Nano Letters</i> , 2015, 15, 7265-7272.	9.1	27
3	A HfC nanowire point electron source with oxycarbide surface of lower work function for high-brightness and stable field-emission. <i>Nano Research</i> , 2020, 13, 1620-1626.	10.4	17
4	Non-negative matrix factorization for mining big data obtained using four-dimensional scanning transmission electron microscopy. <i>Ultramicroscopy</i> , 2021, 221, 113168.	1.9	15
5	Real-space analysis of diffusion behavior and activation energy of individual monatomic ions in a liquid. <i>Science Advances</i> , 2017, 3, e1701546.	10.3	14
6	Strain mapping in selected area electron diffraction method combining a Cs-corrected TEM with a stage scanning system. <i>Ultramicroscopy</i> , 2013, 135, 80-83.	1.9	12
7	A controllable and efficient method for the fabrication of a single HfC nanowire field-emission point electron source aided by low keV FIB milling. <i>Nanoscale</i> , 2020, 12, 16770-16774.	5.6	12
8	Chirality transitions and transport properties of individual few-walled carbon nanotubes as revealed by in situ TEM probing. <i>Ultramicroscopy</i> , 2018, 194, 108-116.	1.9	9
9	Structural variation of $\text{Li}_{2}\text{MnO}_{3}$ during charge–discharge cycling. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 589-594.	1.1	7
10	Two-dimensional Gaussian fitting for precise measurement of lattice constant deviation from a selected-area diffraction map. <i>Microscopy (Oxford, England)</i> , 2018, 67, i142-i149.	1.5	6
11	Distortion Measurement of Multi-Finger Transistor Using Split Higher-Order Laue Zone Lines Analysis. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 3709-3711.	1.5	5
12	Accurate determination of strains at layered materials by selected area electron diffraction mapping. <i>Japanese Journal of Applied Physics</i> , 2019, 58, S11A03.	1.5	1
13	Electrical conduction and field emission of a single-crystalline $\text{Gd}_{44}\text{Si}_{2}$ nanowire. <i>Nanoscale</i> , 2020, 12, 18263-18268.	5.6	1
14	Classification for transmission electron microscope images from different amorphous states using persistent homology. <i>Microscopy (Oxford, England)</i> , 2022, , .	1.5	1
15	Novel electron microscopy method for accurate measurements of the lattice constant changes in layered structures. <i>Journal of Surface Analysis (Online)</i> , 2019, 26, 190-191.	0.1	0
16	Objective and Rapid Crystal Structure Analysis by Integration of Measurement Informatics and Database. <i>Nihon Kessho Gakkaishi</i> , 2020, 62, 35-42.	0.0	0
17	Improvement of structural quality of AlN layers grown on c-plane sapphire substrate by metal-organic vapor phase epitaxy using post-growth annealing with trimethylgallium. <i>AIP Advances</i> , 2022, 12, 015203.	1.3	0