

Kazutoshi Inoue

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

313
citations

840585

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839398

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times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomistic origin of high-concentration Ce ³⁺ in {100}-faceted Cr-substituted CeO ₂ nanocrystals. <i>Acta Materialia</i> , 2021, 203, 116473.	3.8	18
2	3D arrangement of atomic polyhedra in tilt grain boundaries. <i>Acta Materialia</i> , 2021, 202, 266-276.	3.8	8
3	Arrangement of polyhedral units for [0001]-symmetrical tilt grain boundaries in zinc oxide. <i>Acta Materialia</i> , 2021, 212, 116864.	3.8	3
4	Surfactant-mediated morphology evolution and self-assembly of cerium oxide nanocrystals for catalytic and supercapacitor applications. <i>Nanoscale</i> , 2021, 13, 10393-10401.	2.8	11
5	Oxygen atom ordering on SiO ₂ /4H-SiC {0001} polar interfaces formed by wet oxidation. <i>Acta Materialia</i> , 2021, 221, 117360.	3.8	5
6	Strong metal-metal interaction and bonding nature in metal/oxide interfaces with large mismatches. <i>Acta Materialia</i> , 2019, 179, 237-246.	3.8	13
7	Determination of the structure and properties of an edge dislocation in rutile TiO ₂ . <i>Acta Materialia</i> , 2019, 163, 199-207.	3.8	27
8	Ceramic phases with one-dimensional long-range order. <i>Nature Materials</i> , 2019, 18, 19-23.	13.3	18
9	Direct Determination of Atomic Structure and Magnetic Coupling of Magnetite Twin Boundaries. <i>ACS Nano</i> , 2018, 12, 2662-2668.	7.3	30
10	Multiphase nanodomains in a strained BaTiO ₃ film on a GdScO ₃ substrate. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	18
11	Atomic-Scale Valence State Distribution inside Ultrafine CeO ₂ Nanocubes and Its Size Dependence. <i>Small</i> , 2018, 14, e1802915.	5.2	77
12	Direct Imaging for Single Molecular Chain of Surfactant on CeO ₂ Nanocrystals. <i>Small</i> , 2018, 14, e1801093.	5.2	23
13	Atomic-Scale Origin of the Quasi-One-Dimensional Metallic Conductivity in Strontium Niobates with Perovskite-Related Layered Structures. <i>ACS Nano</i> , 2017, 11, 12519-12525.	7.3	8
14	Structure of $\langle 110 \rangle$ -tilt boundaries in cubic zirconia. <i>Journal of Materials Science</i> , 2017, 52, 4278-4287.	1.7	5
15	Interfacial Atomic Structure of Twisted Few-Layer Graphene. <i>Scientific Reports</i> , 2016, 6, 21273.	1.6	18
16	Mathematical analysis and STEM observations of arrangement of structural units in $\langle 001 \rangle$ -symmetrical tilt grain boundaries. <i>Microscopy (Oxford, England)</i> , 2016, 65, 479-487.	0.7	11
17	Mathematical Analysis of Tilt Boundaries and STEM Observations. <i>Materia Japan</i> , 2016, 55, 582-582.	0.1	0
18	On the Periodicity of $\langle 001 \rangle$ -Symmetrical Tilt Grain Boundaries. <i>Materials Transactions</i> , 2015, 56, 281-287.	0.4	12

#	ARTICLE	IF	CITATIONS
19	The Decomposition Formula of σ ; Symmetrical Tilt Grain Boundaries. Materials Transactions, 2015, 56, 1945-1952.	0.4	8