

Koji Nishio

List of Publications by Year in descending order

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28
papers

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times ranked

427
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband Optical Amplification of Waveguide Cut-Off Mode in Polymer Waveguide Doped with Graphene Quantum Dots. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	4
2	Formation of various-axis-oriented wurtzite nuclei and enlargement of the <i>c</i> -axis-oriented region in AlFeN films deposited on Si(100) substrates. <i>Materials Advances</i> , 2021, 2, 4075-4080.	5.4	0
3	Electronic structure of AlFeN films exhibiting crystallographic orientation change from <i>c</i> - to <i>a</i> -axis with Fe concentrations and annealing effect. <i>Scientific Reports</i> , 2020, 10, 1819.	3.3	3
4	Band structure and photoconductivity of blue-green light absorbing AlTiN films. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20824-20832.	10.3	10
5	Crystallographic properties of 3d transition metal (Ti, V, and Cr) doped AlN films. , 2016, , .		0
6	Room Temperature Growth of Al-Doped ZnO Thin Films by Reactive DC Sputtering Technique with Metallic Target. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AC09.	1.5	2
7	Low temperature synthesis of ZnO thin films by spin-coating technique. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 506-508.	0.8	11
8	Nano-graphite formation enhanced by fluorine in gas phase of carbon sputtering plasmas. , 2010, , .		0
9	Structural and electronic properties of Co-doped ZnO nanocrystals synthesized by co-precipitation method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 213-216.	0.8	5
10	Effective catalyst on SiO ₂ in ethanol CVD for growth of single-walled carbon nanotubes. <i>Diamond and Related Materials</i> , 2008, 17, 1467-1470.	3.9	5
11	Simultaneous Observation of Single-Walled Carbon Nanotubes and Catalyst Particles on SiO ₂ Substrate by Transmission Electron Microscopy. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 730-734.	1.5	5
12	Studies on the growth of pure double-walled carbon nanotube and its phonon spectra. <i>Journal of Applied Physics</i> , 2008, 103, 114305.	2.5	7
13	Catalytic mechanism of a Fe-Co bimetallic system for efficient growth of single-walled carbon nanotubes on Si ⁺ -SiO ₂ substrates. <i>Journal of Applied Physics</i> , 2006, 100, 094303.	2.5	20
14	High-Resolution Transmission Electron Microscopy of Interfaces between thin Nickel Layers on Si(001) After Nickel Silicide Formation under Various Annealing Conditions. , 2006, , .		3
15	Transmission electron microscopic observation of a metastable phase on the thermal decomposition process of Ca-deficient hydroxyapatite. <i>Journal of Materials Science</i> , 2006, 41, 525-530.	3.7	5
16	Transmission Electron Microscopic Study on Thermal Decomposition Process of Calcium-Deficient Hydroxyapatite. <i>Key Engineering Materials</i> , 2006, 317-318, 785-788.	0.4	0
17	Influence of Substrate Roughness on the Formation of Defects in 3C-SiC Grown on Si(110) Substrate by Hetero-Epitaxial CVD Method. <i>Materials Science Forum</i> , 2005, 483-485, 185-188.	0.3	5
18	Suppression Mechanism of Double Positioning Growth in 3C-SiC(111) Crystal by Using an Off-Axis Si(110) Substrate. <i>Materials Science Forum</i> , 2005, 483-485, 181-184.	0.3	13

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19	Suppression of the Twin Formation in CVD Growth of (111) 3C-SiC on (110) Si Substrate. Materials Science Forum, 2005, 483-485, 193-196.	0.3	11
20	Heteroepitaxial growth of (111) 3C-SiC on well-lattice-matched (110) Si substrates by chemical vapor deposition. Applied Physics Letters, 2004, 84, 3082-3084.	3.3	72
21	A metastable phase in thermal decomposition of Ca-deficient hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2003, 14, 617-622.	3.6	37
22	Transmission electron microscopic studies on an initial stage in the conversion process from β -tricalcium phosphate to hydroxyapatite. Journal of Materials Research, 2003, 18, 2633-2638.	2.6	14
23	Ferromagnetism and structural distortions induced in atomized Fe-Al (35-42 at.% Al) powder particles by cold milling. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 2013-2023.	0.6	13
24	Structure and growth mechanism of tetrapod-like ZnO particles. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 889-904.	0.6	55
25	Multi-slice calculation for InP crystals using different slices. Ultramicroscopy, 1994, 54, 301-309.	1.9	4
26	High-resolution transmission electron microscopy of hexagonal and rhombohedral molybdenum disulfide crystals. Microscopy Research and Technique, 1993, 25, 325-334.	2.2	9
27	Habit, structure and surface formation of Te particles deposited in a high-resolution transmission electron microscope. Journal of Crystal Growth, 1992, 125, 7-16.	1.5	4
28	Chemical Trend in Band Structure of 3d-Transition-Metal-Doped AlN Films. Materials Science Forum, 0, 924, 322-325.	0.3	2