Koji Nishio

List of Publications by Year
in descending order

28	319	1040056 9	888059 17
papers	citations	h-index	g-index

28	28	28	427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heteroepitaxial growth of (111) 3Câ€“SiC on well-lattice-matched (110) Si substrates by chemical vapor deposition. Applied Physics Letters, 2004, 84, 3082-3084.	3.3	72
2	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
3	A metastable phase in thermal decomposition of Ca-deficient hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2003, 14, 617-622.	3.6	37
4	Catalytic mechanism of a Feâ€“Co bimetallic system for efficient growth of single-walled carbon nanotubes on Siâˆ•SiO2 substrates. Journal of Applied Physics, 2006, 100, 094303.	2.5	20
5	Transmission electron microscopic studies on an initial stage in the conversion process from Î±-tricalcium phosphate to hydroxyapatite. Journal of Materials Research, 2003, 18, 2633-2638.	2.6	14
6	Ferromagnetism and structural distortions induced in atomized Fe-Al (35â€“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
7	Suppression Mechanism of Double Positioning Growth in 3C-SiC(111) Crystal by Using an Off-Axis Si(110) Substrate. Materials Science Forum, 2005, 483-485, 181-184.	0.3	13
8	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
9	Low temperature synthesis of ZnO thin films by spin-coating technique. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 506-508.	0.8	11
10	Band structure and photoconductivity of blue-green light absorbing AlTiN films. Journal of Materials Chemistry A, 2017, 5, 20824-20832.	10.3	10
11	High-resolution transmission electron microscopy of hexagonal and rhombohedral molybdenum disulfide crystals. Microscopy Research and Technique, 1993, 25, 325-334.	2.2	9
12	Studies on the growth of pure double-walled carbon nanotube and its phonon spectra. Journal of Applied Physics, 2008, 103, 114305.	2.5	7
13	Influence of Substrate Roughness on the Formation of Defects in 3C-SiC Grown on Si(110) Substrate by Hetero-Epitaxial CVD Method. Materials Science Forum, 2005, 483-485, 185-188.	0.3	5
14	Transmission electron microscopic observation of a metastable phase on the thermal decomposition process of Ca-deficient hydroxyapatite. Journal of Materials Science, 2006, 41, 525-530.	3.7	5
15	Effective catalyst on SiO2 in ethanol CVD for growth of single-walled carbon nanotubes. Diamond and Related Materials, 2008, 17, 1467-1470.	3.9	5
16	Simultaneous Observation of Single-Walled Carbon Nanotubes and Catalyst Particles on SiO2Substrate by Transmission Electron Microscopy. Japanese Journal of Applied Physics, 2008, 47, 730-734.	1.5	5
17	Structural and electronic properties of Co-doped ZnO nanocrystals synthesized by co-precipitation method. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 213-216.	0.8	5
18	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

#	Article	IF	Citations
19	Multi-slice calculation for InP crystals using different slices. Ultramicroscopy, 1994, 54, 301-309.	1.9	4
20	Broadband Optical Amplification of Waveguide Cutâ€Off Mode in Polymer Waveguide Doped with Graphene Quantum Dots. Advanced Optical Materials, 2022, 10, .	7.3	4
21	High-Resolution Transmission Electron Microscopy of Interfaces between thin Nickel Layers on Si(001) After Nickel Silicide Formation under Various Annealing Conditions. , 2006, , .		3
22	Electronic structure of AlFeN films exhibiting crystallographic orientation change from c- to a-axis with Fe concentrations and annealing effect. Scientific Reports, 2020, 10, 1819.	3.3	3
23	Room Temperature Growth of Al-Doped ZnO Thin Films by Reactive DC Sputtering Technique with Metallic Target. Japanese Journal of Applied Physics, 2013, 52, 01AC09.	1.5	2
24	Chemical Trend in Band Structure of 3d-Transition-Metal-Doped AlN Films. Materials Science Forum, 0, 924, 322-325.	0.3	2
25	Transmission Electron Microscopic Study on Thermal Decomposition Process of Calcium-Deficient Hydroxyapatite. Key Engineering Materials, 2006, 317-318, 785-788.	0.4	0
26	Nano-graphite formation enhanced by fluorine in gas phase of carbon sputtering plasmas. , 2010, , .		0
27	Crystallographic properties of 3d transition metal (Ti, V, and Cr) doped AlN films. , 2016, , .		0
28	Formation of various-axis-oriented wurtzite nuclei and enlargement of the a-axis-oriented region in AlFeN films deposited on Si(100) substrates. Materials Advances, 2021, 2, 4075-4080.	5.4	0