

Nobuaki Kitazawa

List of Publications by Year in descending order

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66
papers

1,029
citations

623188

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433756

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66
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66
docs citations

66
times ranked

1770
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced deformation of a-C thin films prepared by RF magnetron sputtering. <i>Diamond and Related Materials</i> , 2020, 108, 107844.	1.8	0
2	Growth and photo-electrochemical properties of rutile TiO ₂ nanowire arrays prepared by the hydrothermal method. <i>International Journal of Materials Research</i> , 2019, 110, 268-274.	0.1	3
3	Non-uniform Excitation States in Photoinduced Deformation of Amorphous Carbon Nitride Films. <i>Scientific Reports</i> , 2018, 8, 15066.	1.6	2
4	Response to visible light in amorphous carbon nitride films prepared by reactive sputtering. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 01AA03.	0.8	5
5	Contribution of nitrogen to the photoinduced deformation of amorphous carbon nitride films. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 01AA01.	0.8	3
6	Long-term irradiation effects of visible light on amorphous carbon nitride films. <i>Diamond and Related Materials</i> , 2016, 63, 132-135.	1.8	1
7	Photomechanical Response of Amorphous Carbon Nitride Thin Films on SiO ₂ Substrate. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 352-356.	0.1	4
8	Electrical resistivity response of amorphous carbon nitride thin films in various gas atmospheres. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 041401.	0.8	6
9	Effects of thermal history on the electrical properties of amorphous carbon nitride films prepared by reactive sputtering. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 11RA09.	0.8	1
10	DC electrical conductivity study of amorphous carbon nitride films prepared by reactive RF magnetron sputtering. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 02BC03.	0.8	11
11	Correlation of photothermal conversion on the photo-induced deformation of amorphous carbon nitride films prepared by reactive sputtering. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	11
12	Growth of vertically aligned one-dimensional ZnO nanowire arrays on sol-gel derived ZnO thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 1194-1200.	1.9	16
13	Reversible photo-induced deformation of amorphous carbon nitride thin films. <i>Diamond and Related Materials</i> , 2014, 41, 20-24.	1.8	16
14	Fabrication of Graded Band Gap Amorphous Carbon Nitride Thin Films for New Generation Photovoltaic Applications. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 10NE26.	0.8	4
15	Influence of Chemical Bonding States on Electrical Properties of Amorphous Carbon Nitride Films. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 121401.	0.8	4
16	Thermal annealing of a-Si/Au superlattice thin films. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 2150-2153.	1.5	7
17	Temperature-dependent time-resolved photoluminescence of (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ PbX ₄ (X=Br and I). <i>Materials Chemistry and Physics</i> , 2012, 134, 875-880.	2.0	66
18	Synthesis and luminescence properties of dye-doped deoxyribonucleic acid films. <i>Journal of Luminescence</i> , 2012, 132, 1432-1436.	1.5	1

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19	Fabrication of Graded Band Gap Amorphous Carbon Nitride Thin Films for New Generation Photovoltaic Applications. Japanese Journal of Applied Physics, 2012, 51, 10NE26.	0.8	9
20	Influence of Chemical Bonding States on Electrical Properties of Amorphous Carbon Nitride Films. Japanese Journal of Applied Physics, 2012, 51, 121401.	0.8	5
21	Photoconductivity study of amorphous carbon nitride films for opto-electronics devices. Diamond and Related Materials, 2011, 20, 1208-1211.	1.8	23
22	Synthesis and luminescence properties of lead-halide based organic-inorganic layered perovskite compounds (C _n H _{2n+1} NH ₃) ₂ PbI ₄ (n=4, 5, 7, 8 and 9). Journal of Physics and Chemistry of Solids, 2011, 72, 1467-1471.	1.9	50
23	Surfactant modified deoxyribonucleic acid films: synthesis, interaction with acridine orange and luminescent properties. Journal of Materials Science, 2011, 46, 2036-2040.	1.7	4
24	Optical properties of natural quantum-well compounds (C ₆ H ₅ -C _n H _{2n} -NH ₃) ₂ PbBr ₄ (n=1-4). Journal of Physics and Chemistry of Solids, 2010, 71, 797-802.	1.9	62
25	Excitons in organic-inorganic hybrid compounds (C _n H _{2n+1} NH ₃) ₂ PbBr ₄ (n=4, 5, 7 and 12). Thin Solid Films, 2010, 518, 3199-3203.	0.8	69
26	Columnar structured amorphous carbon nitride films. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 797-800.	0.8	6
27	Change in Surface States of Amorphous Carbon Nitride Films after Exposure to Oxygen Plasma. Materials Science Forum, 2010, 638-642, 818-823.	0.3	2
28	Metal induced crystallization of amorphous silicon using layer-by-layer technique with gold ultra thin layer. , 2010, , .		1
29	Preparation of mesoporous oxide films via block copolymer templating. Journal of Non-Crystalline Solids, 2010, 356, 109-113.	1.5	2
30	Optical properties of dye-doped deoxyribonucleic acid films. Journal of Materials Science, 2009, 44, 4999-5003.	1.7	5
31	Effect of oxygen plasma treatment on bonding states for columnar structured a-CN thin films prepared by reactive sputtering. Thin Solid Films, 2009, 518, 1512-1516.	0.8	3
32	Optical properties of organic-inorganic hybrid films prepared by the two-step growth process. Journal of Luminescence, 2009, 129, 1036-1041.	1.5	15
33	XPS study of carbon nitride films deposited by hot filament chemical vapor deposition using carbon filament. Thin Solid Films, 2008, 516, 648-651.	0.8	15
34	Effect of substrate temperatures on amorphous carbon nitride films prepared by reactive sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 966-969.	0.9	5
35	Effects of post-deposition chemical treatment on the formation of mesoporous titania films. Journal of Materials Science, 2007, 42, 5074-5079.	1.7	8
36	Excitons in self-organized layered perovskite films prepared by the two-step growth process. Thin Solid Films, 2006, 500, 133-137.	0.8	15

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37	Irradiation effect of nitrogen ion beam on hydrogenated amorphous carbon films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1489-1493.	0.9	0
38	Optical properties of self-assembled nano-hybrid materials. Surface and Coatings Technology, 2005, 198, 9-13.	2.2	8
39	Mechanical properties of aerogel-like thin films used for MEMS. Journal of Micromechanics and Microengineering, 2004, 14, 681-686.	1.5	18
40	Surface Nitridation of Amorphous Carbon by Nitrogen Ion Beam Irradiation. Materials Research Society Symposia Proceedings, 2004, 843, 311.	0.1	1
41	Preparation of amorphous carbon nitride films from toluene and nitrogen by rf-PECVD. Materials Science and Technology, 2004, 20, 1119-1122.	0.8	6
42	Optical properties of $(C_6H_5C_2H_4NH_3)_2Pb_{1-x}Br_x$ ($x = 0 \sim 4$) mixed-crystal doped PMMA films. Journal of Materials Science, 2004, 39, 749-751.	1.7	21
43	Synthesis of mesostructured titanium dioxide films by surfactant-templated sol-gel method. Journal of Materials Science, 2003, 38, 3069-3072.	1.7	6
44	Effects of graphite content on carbon nitride films prepared by hot carbon filament chemical vapor deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1386-1388.	0.9	1
45	Sol-gel derived mesoporous silica films using amphiphilic triblock copolymers. Journal of Non-Crystalline Solids, 2003, 332, 199-206.	1.5	19
46	Irradiation Effect of Nitrogen Ion Beam on Carbon Nitride Thin Films. Materials Research Society Symposia Proceedings, 2003, 792, 298.	0.1	0
47	Effects of argon addition on a-CN _x film deposition by hot carbon filament chemical vapor deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1242-1246.	0.9	1
48	Effects of Substrate Materials on Nanoindentation Tests of AlN Thin Films. Materials Research Society Symposia Proceedings, 2002, 750, 1.	0.1	1
49	Effects of Irradiation by Low Energy Nitrogen Ions on Carbon Nitride Thin Films. Materials Research Society Symposia Proceedings, 2002, 750, 1.	0.1	0
50	Optical properties of CH ₃ NH ₃ PbX ₃ (X = halogen) and their mixed-halide crystals. Journal of Materials Science, 2002, 37, 3585-3587.	1.7	262
51	Preparation and stability of nanocrystalline $(C_6H_5C_2H_4NH_3)_2Pb_{1-x}$ -doped PMMA films. Journal of Materials Science, 2002, 37, 4845-4848.	1.7	8
52	Effect of Microstructure on Microhardness of AlN Thin Films. Materials Research Society Symposia Proceedings, 2001, 695, 1.	0.1	0
53	Mechanical Properties of AlN Thin Films Prepared by Ion Beam Assisted Deposition. Materials Research Society Symposia Proceedings, 2000, 647, 1.	0.1	0
54	Preparation of Mesoporous Oxides for Mems Structures. Materials Research Society Symposia Proceedings, 2000, 657, 731.	0.1	1

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55	Mechanical properties and residual stress in AlN films prepared by ion beam assisted deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1567-1570.	0.9	13
56	Stability of Self-Assembled Organic-Inorganic Layered Perovskite. Materials Research Society Symposia Proceedings, 1999, 576, 165.	0.1	4
57	Synthesis and characterization of C ₆₀ N films by hot carbon filament CVD. Surface and Coatings Technology, 1999, 120-121, 418-422.	2.2	4
58	Thin films of microcrystalline (CH ₃ NH ₃)(C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ Pb ₂ Br ₇ and related compounds: fabrication and optical properties. Synthetic Metals, 1998, 96, 133-136.	2.1	11
59	Optical Properties of the Natural Quantum-Well System (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ (CH ₃ NH ₃) _m -1PbmX _{3m+1} (X; Tj ETQq1 1 0.7843]4 rgBT		
60	Stability of (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ Pb(BrxI _{4-x})Mixed Crystals. Japanese Journal of Applied Physics, 1997, 36, 6876-6879.	0.8	11
61	Optical Absorption and Photoluminescence Properties of Pb(I, Br)-Based Two-Dimensional Layered Perovskite. Japanese Journal of Applied Physics, 1997, 36, 2272-2276.	0.8	37
62	Excitons in two-dimensional layered perovskite compounds: (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ Pb(Br,I) ₄ and (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ Pb(Cl,Br) ₄ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1997, 49, 233-238.	1.7	90
63	Growth of polycrystalline silicon thin films on glass. Thin Solid Films, 1997, 296, 2-6.	0.8	13
64	Compositional Modulation of Two-Dimensional Layered Perovskite(RNH ₃) ₂ Pb(Cl,Br,I) ₄ and Its Optical Properties. Japanese Journal of Applied Physics, 1996, 35, 6202-6207.	0.8	23
65	Effect ofNa ₂ OAddition toAg ₂ O-Doped Phosphate Glasses on Enhancement of Silver Particle Precipitation by Low-Energy Ion Irradiation. Japanese Journal of Applied Physics, 1996, 35, 2228-2233.	0.8	6
66	Precipitation of Silver Particles in Glasses by Ion Irradiation. Japanese Journal of Applied Physics, 1994, 33, L1245-L1247.	0.8	4