

Hiroaki Nishikawa

List of Publications by Year in descending order

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papers

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759233

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53
docs citations

53
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Reconstruction at the Isopolar LaTiO_3 An X-Ray Photoemission and Density-Functional Theory Study. Physical Review Letters, 2014, 113, 237402.	7.8	56
2	Imparting cell adhesion to poly(vinyl alcohol) hydrogel by coating with hydroxyapatite thin film. Materials Letters, 2007, 61, 2667-2670.	2.6	31
3	Cytocompatibility of calcium phosphate coatings deposited by an ArF pulsed laser. Journal of Materials Science: Materials in Medicine, 2008, 19, 327-333.	3.6	29
4	Preparation of Freestanding Hydroxyapatite Membranes with Excellent Biocompatibility and Flexibility. Applied Physics Express, 2008, 1, 088001.	2.4	24
5	Relationship between the Ca/P ratio of hydroxyapatite thin films and the spatial energy distribution of the ablation laser in pulsed laser deposition. Materials Letters, 2016, 165, 95-98.	2.6	23
6	Composite Engineering – Direct Bonding of plastic PET Films by Plasma Irradiation. Procedia Engineering, 2017, 171, 88-103.	1.2	21
7	Effect of laser fluence and ambient gas pressure on surface morphology and chemical composition of hydroxyapatite thin films deposited using pulsed laser deposition. Applied Surface Science, 2018, 427, 458-463.	6.1	21
8	Osteoconduction of a stoichiometric and bovine hydroxyapatite bilayer-coated implant. Clinical Oral Implants Research, 2011, 22, 774-776.	4.5	20
9	Preparation of all-oxide ferromagnetic/ferroelectric/ superconducting heterostructures for advanced microwave applications. Superconductor Science and Technology, 1999, 12, 836-839.	3.5	17
10	Study of mechanically tunable superconducting microwave filter using lumped elements. IEEE Transactions on Applied Superconductivity, 2003, 13, 720-723.	1.7	13
11	Protein Adsorption on Patterned Hydroxyapatite Thin Films Fabricated by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2005, 44, L326-L327.	1.5	13
12	Rotation of the magnetic easy axis in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin film on $\text{NdGaO}_3(112)$. Applied Physics Letters, 2009, 94, .	3.3	12
13	Preparation of [100] oriented SrTiO_3 thin films on flexible polymer sheets. Japanese Journal of Applied Physics, 2014, 53, 05FB06.	1.5	10
14	Laser Ablation of Alkaline Earth Metals Investigated by Time-of-Flight Mass Spectroscopy: Ion Desorption by Core-Electron Excitation. Japanese Journal of Applied Physics, 1996, 35, L425-L428.	1.5	9
15	Mechanical Tuning of Superconducting Lumped Element Filter. IEEE Transactions on Applied Superconductivity, 2005, 15, 972-975.	1.7	9
16	Fabrication of a Large Hydroxyapatite Sheet. Applied Physics Express, 2010, 3, 107003.	2.4	9
17	Characteristics of mechanically tunable superconductive resonators. Superconductor Science and Technology, 2002, 15, 635-638.	3.5	8
18	Regeneration of Tooth Enamel by Flexible Hydroxyapatite Sheet. Key Engineering Materials, 0, 493-494, 615-619.	0.4	8

#	ARTICLE	IF	CITATIONS
19	Fabrication of Hydroxyl Apatite Coating Titanium Web Scaffold Using Pulsed Laser Deposition Method. <i>Journal of Hard Tissue Biology</i> , 2012, 21, 181-188.	0.4	8
20	Effect of ablation laser pulse repetition rate on the surface protrusion density of hydroxyapatite thin films deposited using pulsed laser deposition. <i>Materials Letters</i> , 2017, 209, 330-333.	2.6	8
21	Laser-Ablation Mechanism of Sr Metal Investigated by Time-of-Flight Mass Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 1994, 33, L1090-L1092.	1.5	7
22	Giant Wrinkles on the Surface of Epitaxial BaTiO ₃ Thin Films with Drastic Shrinkage during Transfer from a MgO(100) Single-Crystal Substrate to a Flexible Polyethylene Terephthalate Sheet. <i>Sensors</i> , 2021, 21, 7326.	3.8	7
23	C-Axis-Oriented Hydroxyapatite Film Grown Using ZnO Buffer Layer. <i>Applied Physics Express</i> , 2013, 6, 115501.	2.4	6
24	A novel membrane-type apatite scaffold engineered by pulsed laser ablation. <i>Dental Materials Journal</i> , 2015, 34, 345-350.	1.8	6
25	Controlling the Chemical Composition of Hydroxyapatite Thin Films using Pulsed Laser Deposition. <i>Transactions of the Materials Research Society of Japan</i> , 2015, 40, 111-114.	0.2	6
26	Fabrication of Flexible BaTiO ₃ Thin Films. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2019, 139, 211-212.	0.2	6
27	Superconducting magnetostatic wave devices using HTS/perovskite-type manganite PCMO heterostructure. <i>Superconductor Science and Technology</i> , 2001, 14, 1140-1143.	3.5	5
28	Adhesive Strength between Flexible Hydroxyapatite Sheet and Tooth Enamel. <i>Key Engineering Materials</i> , 0, 529-530, 522-525.	0.4	5
29	Evaluation of Dentin Tubule Sealing Rate Improved by Attaching Ultrathin Amorphous Calcium Phosphate Sheet. <i>Key Engineering Materials</i> , 0, 631, 258-261.	0.4	5
30	Preparation and design of a mechanically tunable superconducting lumped-element filter. <i>Superconductor Science and Technology</i> , 2004, 17, S255-S258.	3.5	4
31	Highly Sensitive Low-Energy Laser Sensing Based on Sweep Pulse Excitation for Bolt Loosening Diagnosis. <i>Journal of Nondestructive Evaluation</i> , 2021, 40, 1.	2.4	4
32	Control of Crystallinity of Hydroxyapatite Sheet. <i>Key Engineering Materials</i> , 2013, 583, 47-50.	0.4	3
33	Water adsorption and desorption on plasma-activated PET film surface, indication of hydrogen bonding. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FB23.	1.5	3
34	Modification of cleaved surfaces of Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals induced by ArF excimer laser irradiation. <i>Applied Surface Science</i> , 1999, 143, 313-318.	6.1	2
35	Preparation of Superconducting Magnetostatic Wave (MSW) Devices Consisting of High-Tc Superconductor (HTS)/Perovskite-Type Manganite Heterostructures: Application of Pr _{0.85} Ca _{0.15} MnO ₃ as a MSW Waveguide. <i>Japanese Journal of Applied Physics</i> , 2001, 40, L1100-L1102.	1.5	2
36	Evaluation of biological molecular adsorption on hydroxyapatite and amorphous Ca ₁₀ (PO ₄) ₆ (OH) ₂ thin films using QCM method. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2007, 127, 1839-1842.	0.2	2

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37	Long Lifetime of Plasma Effect on Bonding of Poly(ethylene terephthalate) Films and Surface Analyses. Japanese Journal of Applied Physics, 2012, 51, 11PG14.	1.5	2
38	A Novel Treatment for Dentine Cavities with Intraoral Laser Ablation Method Using an Er:YAG Laser. Key Engineering Materials, 2014, 631, 262-266.	0.4	2
39	Evolution of I-V Characteristics and Photo Effects of Heterojunction LBMO/ZnO Prepared by IBS. Solid State Phenomena, 2015, 230, 19-27.	0.3	2
40	Metallic conductivity of the heterointerface between LaFeO ₃ and SrTiO ₃ . Solid State Communications, 2021, 323, 114105.	1.9	2
41	Ferroelectric Properties of Flexible [001] Oriented Pb(Zr _{0.52}) _{1-0.784314} Ti _{0.784314} rgBT /Overlock 10 Tf 50 587 Electronics, Information and Systems, 2021, 141, 782-783.	0.2	2
42	Preparation of directly stacked YBa ₂ Cu ₃ O _{7-δ} /oxide magnetic material thin films on Al ₂ O ₃ (0001) substrate. Superconductor Science and Technology, 2002, 15, 170-173.	3.5	1
43	Preparation of perovskite type manganite on Al ₂ O ₃ substrate as an excellent buffer layer for YBa ₂ Cu ₃ O _{7-δ} growth. IEEE Transactions on Applied Superconductivity, 2003, 13, 2725-2728.	1.7	1
44	Bonding effect of plasma-irradiated PET films can be preserved after soaking in various liquid reagents. Japanese Journal of Applied Physics, 2014, 53, 05FB21.	1.5	1
45	Preparation of flexible thin films from epitaxially grown anatase Nb: TiO ₂ using water-soluble Sr ₃ Al ₂ O ₆ sacrificial layer. Electronics and Communications in Japan, 2021, 104, e12331.	0.5	1
46	Atomic Processes of Pulsed Laser Deposition During Growth of Alkaline Earth Oxide Thin Films. , 2017, , 205-230.		0
47	Preparation of Flexible Thin Films from Epitaxially Grown Anatase Nb: TiO ₂ Using Water-Soluble Sr ₃ Al ₂ O ₆ Sacrificial Layer. IEJ Transactions on Electronics, Information and Systems, 2021, 141, 767-770.	0.2	0
48	Preparation of metal implants coated with high-adhesion hydroxyapatite thin film. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JJSM, 2002, 2002.14, 13-14.	0.0	0
49	Fabrication of Very Thin High-Temperature-Superconducting Films Required for High-sensitivity Optics/Superconductivity Converters. IEJ Transactions on Electronics, Information and Systems, 2012, 132, 1722-1726.	0.2	0
50	Plasma Bonding of Plastic Films and Applications. , 2017, , 391-418.		0
51	Toward a New Epoch in Which the Anything can be Electric Sources Cause of Harvesting Small Kinetic Energy: Various Vibration Power Generation Technology and Development of Research in the Field. Journal of the Institute of Electrical Engineers of Japan, 2018, 138, 157-160.	0.0	0
52	Report on the 9th Seminar of Nano-Structural Function Group in Functional Thin Films Division of the Japan Society of Vacuum and Surface Science. Vacuum and Surface Science, 2018, 61, 686-687.	0.1	0
53	Specific Adsorption of Glycine onto Atomically Flat Al ₂ O ₃ (0001) Surfaces in Aqueous Solution. Transactions of the Materials Research Society of Japan, 2020, 45, 183-186.	0.2	0