Hiroaki Nishikawa

List of Publications by Year
in descending order

53	436	759233	839539
papers	citations	12 h-index	18 g-index

53	53	53	525
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metallic conductivity of the heterointerface between LaFeO3 and SrTiO3. Solid State Communications, 2021, 323, 114105.	1.9	2
2	Highly Sensitive Low-Energy Laser Sensing Based on Sweep Pulse Excitation for Bolt Loosening Diagnosis. Journal of Nondestructive Evaluation, 2021, 40, 1.	2.4	4
3	Ferroelectric Properties of Flexible [001] Oriented Pb(Zr_{0.52},) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6 Electronics, Information and Systems, 2021, 141, 782-783.	0.2	2
4	Preparation of Flexible Thin Films from Epitaxially Grown Anatase Nb: TiO₂ Using Water-Soluble Sr₃Al₂O₆ Sacrificial Layer. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 767-770.	0.2	0
5	Preparation of flexible thin films from epitaxially grown anatase Nb: TiO 2 using waterâ€soluble Sr 3 Al 2 O 6 sacrificial layer. Electronics and Communications in Japan, 2021, 104, e12331.	0.5	1
6	Giant Wrinkles on the Surface of Epitaxial BaTiO3 Thin Films with Drastic Shrinkage during Transfer from a MgO(100) Single-Crystal Substrate to a Flexible Polyethylene Terephthalate Sheet. Sensors, 2021, 21, 7326.	3.8	7
7	Specific Adsorption of Glycine onto Atomically Flat Al₂O₃(0001) Surfaces in Aqueous Solution. Transactions of the Materials Research Society of Japan, 2020, 45, 183-186.	0.2	0
8	Fabrication of Flexible BaTiO₃ Thin Films. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 211-212.	0.2	6
9	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
10	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
11	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
12	Composite Engineering â€“ Direct Bonding of plastic PET Films by Plasma Irradiation. Procedia Engineering, 2017, 171, 88-103.	1.2	21
13	Effect of ablation laser pulse repetition rate on the surface protrusion density of hydroxyapatite thin films deposited using pulsed laser deposition. Materials Letters, 2017, 209, 330-333.	2.6	8
14	Atomic Processes of Pulsed Laser Deposition During Growth of Alkaline Earth Oxide Thin Films. , 2017, , 205-230.		0
15	Plasma Bonding of Plastic Films and Applications. , 2017, , 391-418.		0
16	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
17	A novel membrane-type apatite scaffold engineered by pulsed laser ablation. Dental Materials Journal, 2015, 34, 345-350.	1.8	6
18	Controlling the Chemical Composition of Hydroxyapatite Thin Films using Pulsed Laser Deposition. Transactions of the Materials Research Society of Japan, 2015, 40, 111-114.	0.2	6

#	Article	IF	Citations
19	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
20	Preparation of [100] oriented SrTiO₃ thin films on flexible polymer sheets. Japanese Journal of Applied Physics, 2014, 53, 05FB06.	1.5	10
21	Water adsorption and desorption on plasma-activated PET film surface, indication of hydrogen bonding. Japanese Journal of Applied Physics, 2014, 53, 05FB23.	1.5	3
22	Electronic Reconstruction at the Isopolar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaTiO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ An X-Ray Photoemission and Density-Functional Theory Study. Physical Review Letters, 2014, 113, 237402.	7.8	56
23	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
24	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
25	Control of Crystallinity of Hydroxyapatite Sheet. Key Engineering Materials, 2013, 583, 47-50.	0.4	3
26	C-Axis-Oriented Hydroxyapatite Film Grown Using ZnO Buffer Layer. Applied Physics Express, 2013, 6, 115501.	2.4	6
27	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
28	Fabrication of Hydroxyl Apatite Coating Titanium Web Scaffold Using Pulsed Laser Deposition Method. Journal of Hard Tissue Biology, 2012, 21, 181-188.	0.4	8
29	Fabrication of Very Thin High-Temperature-Superconducting Films Required for High-sensitivity Optics/Superconductivity Converters. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 1722-1726.	0.2	0
30	Osteoconduction of a stoichiometric and bovine hydroxyapatite bilayer-coated implant. Clinical Oral Implants Research, 2011, 22, 774-776.	4.5	20
31	Fabrication of a Large Hydroxyapatite Sheet. Applied Physics Express, 2010, 3, 107003.	2.4	9
32	Rotation of the magnetic easy axis in La0.67Sr0.33MnO3 thin film on NdGaO3(112). Applied Physics Letters, 2009, 94, .	3.3	12
33	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
34	Preparation of Freestanding Hydroxyapatite Membranes with Excellent Biocompatibility and Flexibility. Applied Physics Express, 2008, 1, 088001.	2.4	24
35	Evaluation of biological moleculer adsorption on hydroxyapatite and amorphus Ca10(PO4)6(OH)2 thin films using QCM method. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 1839-1842.	0.2	2
36	Imparting cell adhesion to poly(vinyl alcohol) hydrogel by coating with hydroxyapatite thin film. Materials Letters, 2007, 61, 2667-2670.	2.6	31

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37	Mechanical Tuning of Superconducting Lumped Element Filter. IEEE Transactions on Applied Superconductivity, 2005, 15, 972-975.	1.7	9
38	Protein Adsorption on Patterned Hydroxyapatite Thin Films Fabricated by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2005, 44, L326-L327.	1.5	13
39	Preparation and design of a mechanically tunable superconducting lumped-element filter. Superconductor Science and Technology, 2004, 17, S255-S258.	3.5	4
40	Study of mechanically tunable superconducting microwave filter using lumped elements. IEEE Transactions on Applied Superconductivity, 2003, 13, 720-723.	1.7	13
41	Preparation of perovskite type manganite on Al/sub 2/O/sub 3/ substrate as an excellent buffer layer for YBa/sub 2/Cu/sub 3/O//sub 7-Î³/ growth. IEEE Transactions on Applied Superconductivity, 2003, 13, 2725-2728.	1.7	1
42	Preparation of directly stacked YBa2Cu3O7âˆ'Î´/oxide magnetic material thin films on Al2O3(0001) substrate. Superconductor Science and Technology, 2002, 15, 170-173.	3.5	1
43	Characteristics of mechanically tunable superconductive resonators. Superconductor Science and Technology, 2002, 15, 635-638.	3.5	8
44	Preparation of metal implants coated with high-adhesion hydroxyapatite thin film. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2002, 2002.14, 13-14.	0.0	0
45	Superconducting magnetostatic wave devices using HTS/perovskite-type manganite PCMO heterostructure. Superconductor Science and Technology, 2001, 14, 1140-1143.	3.5	5
46	Preparation of Superconducting Magnetostatic Wave (MSW) Devices Consisting of High-Tc Superconductor (HTS)/Perovskite-Type Manganite Heterostructures: Application of Pr0.85Ca0.15MnO3 as a MSW Waveguide. Japanese Journal of Applied Physics, 2001, 40, L1100-L1102.	1.5	2
47	Preparation of all-oxide ferromagnetic/ferroelectric/ superconducting heterostructures for advanced microwave applications. Superconductor Science and Technology, 1999, 12, 836-839.	3.5	17
48	Modification of cleaved surfaces of Bi2Sr2CaCu2O8 single crystals induced by ArF excimer laser irradiation. Applied Surface Science, 1999, 143, 313-318.	6.1	2
49	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
50	Laser-Ablation Mechanism of Sr Metal Investigated by Time-of-Flight Mass Spectroscopy. Japanese Journal of Applied Physics, 1994, 33, L1090-L1092.	1.5	7
51	Regeneration of Tooth Enamel by Flexible Hydroxyapatite Sheet. Key Engineering Materials, 0, 493-494, 615-619.	0.4	8
52	Adhesive Strength between Flexible Hydroxyapatite Sheet and Tooth Enamel. Key Engineering Materials, 0, 529-530, 522-525.	0.4	5
53	Evaluation of Dentin Tubule Sealing Rate Improved by Attaching Ultrathin Amorphous Calcium Phosphate Sheet. Key Engineering Materials, 0, 631, 258-261.	0.4	5