

# Naofumi Ohtsu

## List of Publications by Year in descending order

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134  
papers

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218381

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136  
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136  
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2840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Analysis of Nitrogen by Atom Probe Tomography Using Stoichiometric $^{15}\text{N}$ - $^{54}\text{Fe}$ Consisting of $^{15}\text{N}$ Isotope. <i>Microscopy and Microanalysis</i> , 2022, 28, 42-52.	0.2	2
2	Fabrication of Nanoprotrusion Surface on AISI 316 Stainless Steel via $\text{Ar}^+$ Plasma Etching. <i>Materials Transactions</i> , 2022, 63, 357-362.	0.4	1
3	An open-atmosphere nitriding process for titanium using a watt-level pulsed Nd:YAG laser. <i>Surface and Coatings Technology</i> , 2022, 438, 128362.	2.2	2
4	XPS study on surface modification of NiTi alloy by acidic solution immersion and subsequent heating in air. <i>Surface and Interface Analysis</i> , 2022, 54, 238-245.	0.8	1
5	Characteristic variation of pulsed anodized NiTi surface by the adjustment of voltage applied state. <i>Surface and Interface Analysis</i> , 2022, 54, 1070-1077.	0.8	4
6	Fabrication of antibacterial nanopillar surface on AISI 316 stainless steel through argon plasma etching with direct current discharge. <i>Surface and Coatings Technology</i> , 2021, 406, 126680.	2.2	19
7	Hot-water Treatment of Japanese Peppermint Dried Powder Toward the Application of Natural Food Coloring. <i>Bunseki Kagaku</i> , 2021, 70, 225-230.	0.1	0
8	Pulsed anodization of NiTi alloy to form a biofunctional Ni-free oxide layer for corrosion protection and hydrophilicity. <i>Surface and Coatings Technology</i> , 2021, 412, 127039.	2.2	13
9	Electrolyte effect in pulsed anodization of NiTi alloy to form a Ni-free oxide layer. <i>Surface and Coatings Technology</i> , 2021, 417, 127221.	2.2	8
10	Synthesis, odour characteristics, and antibacterial activity of optically active cognac lactones. <i>Flavour and Fragrance Journal</i> , 2021, 36, 584-592.	1.2	1
11	Bioactivation of Yttria-Stabilized Tetragonal Zirconia Surface via a Chemical Treatment Processing Using a Calcium-Phosphate Slurry. <i>Materials Transactions</i> , 2021, 62, 1407-1413.	0.4	0
12	A facile chemical process to form an ultrathin hydroxyapatite layer with a customizable silver-releasing function on a titanium implant. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, , .	1.6	0
13	Variation in nanopillar surface on plasma-etched stainless steel owing to the crystal phase and composition. <i>Materials Chemistry and Physics</i> , 2021, 272, 125054.	2.0	2
14	Investigation of admixed gas effect on plasma nitriding of AISI316L austenitic stainless steel. <i>Vacuum</i> , 2021, 193, 110545.	1.6	15
15	Spectral analysis of Sr 3d XPS spectrum in Sr-containing hydroxyapatite. <i>Surface and Interface Analysis</i> , 2020, 52, 823-828.	0.8	27
16	XPS study of a laser-nitrided iron surface using a focused pulsed Nd:YAG laser under various conditions. <i>Surface and Interface Analysis</i> , 2020, 52, 919-923.	0.8	3
17	Cell responses on Ni-free anodized layer of NiTi alloy with various surface morphologies. <i>Applied Surface Science</i> , 2020, 531, 147351.	3.1	7
18	Effects of discharge mode and gas composition for plasma-hydrophilized titanium surface on hydrophilic sustainability. <i>Surface and Interface Analysis</i> , 2020, 52, 835-839.	0.8	0

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19	Enzyme-assisted Extraction of Bioactive Phytochemicals from Japanese Peppermint ( <i>Mentha</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	8
20	Hydrodistillation by Solvent-Free Microwave Extraction of Fresh Japanese Peppermint ( <i>Mentha</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	10
21	Effects of alcoholic solvents on the structure of anodized TiO <sub>2</sub> layer grown in nitrate electrolyte. Surface and Coatings Technology, 2020, 387, 125469.	2.2	5
22	XPS spectra of chromium monosilicides and disilicides obtained by in situ fractured clean surfaces. Surface and Interface Analysis, 2020, 52, 1050-1054.	0.8	3
23	Enhanced hardness and photocatalytic performance in anodic N-doped TiO <sub>2</sub> layer on titanium using a non-aqueous nitrate electrolyte. Surface and Coatings Technology, 2020, 386, 125424.	2.2	13
24	Conversion and Hydrothermal Decomposition of Major Components of Mint Essential Oil by Small-Scale Subcritical Water Treatment. Molecules, 2020, 25, 1953.	1.7	6
25	XPS spectral analysis for a multiple oxide comprising NiO, TiO <sub>2</sub> , and NiTiO <sub>3</sub> . Applied Surface Science, 2020, 526, 146729.	3.1	102
26	Application of Wavelength Dispersive XRF for Simple and Rapid Estimation of Fertilizer Contents Available in the Soil. Bunseki Kagaku, 2020, 69, 685-692.	0.1	0
27	Predominant surface property of an anodized titanium that enhances the cell response. Biointerphases, 2019, 14, 041002.	0.6	2
28	Enhanced calcification of osteoblast-like cells on zirconium through calcium-phosphate slurry processing. Applied Surface Science, 2019, 478, 567-573.	3.1	6
29	Surface characteristics, Ni ion release, and antibacterial efficacy of anodized NiTi alloy using HNO <sub>3</sub> electrolyte of various concentrations. Applied Surface Science, 2019, 492, 785-791.	3.1	18
30	Anomalous anodic layer growth on titanium occurring in electrolyte comprising nitrate and water. Surface and Coatings Technology, 2019, 374, 65-71.	2.2	9
31	Parameter settings in a compact laser-nitriding system for titanium composed of a focused pulsed Nd:YAG laser and nitrogen gas blow. Surface and Interface Analysis, 2019, 51, 302-307.	0.8	8
32	Photocatalytic Performance of an Anodic TiO <sub>2</sub> Layer Fabricated in a NH <sub>4</sub> NO <sub>3</sub> /Ethylene Glycol Electrolyte with Various Crystallographic Phases. Materials Transactions, 2019, 60, 1821-1827.	0.4	1
33	Characteristics of Japanese Mint Extracts Obtained by Subcritical-water Treatment. Food Science and Technology Research, 2019, 25, 695-703.	0.3	5
34	Recovery of Mint Essential Oil through Pressure-releasing Distillation during Subcritical Water Treatment. Food Science and Technology Research, 2019, 25, 793-799.	0.3	3
35	Promotion of bone regeneration on titanium implants through a chemical treatment process using calcium phosphate slurry: Microscopic analysis, cellular response, and animal experiment. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2716-2724.	1.6	3
36	Comparison of NiTi alloy surfaces formed by anodization in nitric, phosphoric, and sulfuric acid electrolytes. Surface and Coatings Technology, 2018, 335, 306-313.	2.2	11

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37	Antibacterial effect of zinc oxide/hydroxyapatite coatings prepared by chemical solution deposition. <i>Applied Surface Science</i> , 2018, 445, 596-600.	3.1	45
38	Utilization of the Japanese Peppermint Herbal Water Byproduct of Steam Distillation as an Antimicrobial Agent. <i>Journal of Oleo Science</i> , 2018, 67, 1227-1233.	0.6	16
39	Antibacterial effect of nickel-titanium alloy owing to nickel ion release. <i>Applied Surface Science</i> , 2017, 405, 215-219.	3.1	25
40	Growth of oxide layers on NiTi alloy surfaces through anodization in nitric acid electrolyte. <i>Surface and Coatings Technology</i> , 2017, 325, 75-80.	2.2	19
41	Effect of plasma nitriding on the structural stability and hydrogen absorption capability of Pd-coated Nb during thermal treatment. <i>Applied Surface Science</i> , 2017, 423, 680-685.	3.1	5
42	Surface chemistry and osteoblast-like cell response on a titanium surface modified by a focused Nd:YAG laser. <i>Surface and Coatings Technology</i> , 2017, 309, 220-226.	2.2	10
43	Development and Performance of Low-Cost Beta-Type Ti-Based Alloys for Biomedical Applications Using Mn Additions. , 2017, , 229-245.		0
44	XPS analysis of a heat-treated NiTi surface for elucidating Ni segregation phenomena. <i>Surface and Interface Analysis</i> , 2016, 48, 488-492.	0.8	13
45	Surface structure and photocatalytic performance of an anodic oxide layer fabricated on titanium in a nitrate/ethylene glycol electrolyte with different treatment durations. <i>Surface and Coatings Technology</i> , 2016, 294, 109-114.	2.2	6
46	Analytical Procedure for the Accurate Determination of Ag, Cu and Ni in a Phosphate Buffered Saline Solution Using GF-AAS. <i>Bunseki Kagaku</i> , 2016, 65, 457-463.	0.1	3
47	SUSPENDED SEDIMENT TRANSPORT ESTIMATION BY X-RAY FLUORESCENCE ANALYSIS. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2016, 72, I_1039-I_1044.	0.0	3
48	Hydrogen permeability degradation of Pd-coated Nb <sub>40</sub> Ti <sub>30</sub> Ni <sub>30</sub> alloy caused by its interfacial diffusion. <i>Applied Surface Science</i> , 2016, 360, 566-571.	3.1	21
49	Formation of surface oxides and its effects on the hydrogen permeability of Nb <sub>40</sub> Ti <sub>30</sub> Ni <sub>30</sub> alloy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5269-5275.	3.8	14
50	Direct and Rapid Quantification of Calcium Phosphate Precipitate on Titanium by X-Ray Fluorescence Analysis Using Fundamental Parameter Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015, 79, 1-8.	0.2	1
51	Electrolyte effects on the surface chemistry and cellular response of anodized titanium. <i>Applied Surface Science</i> , 2015, 349, 911-915.	3.1	21
52	Fabrication of a visible-light-responsive photocatalytic antibacterial coating on titanium through anodic oxidation in a nitrate/ethylene glycol electrolyte. <i>Surface and Coatings Technology</i> , 2015, 262, 97-102.	2.2	16
53	Surface characteristics and cell-adhesion performance of titanium treated with direct-current gas plasma comprising nitrogen and oxygen. <i>Applied Surface Science</i> , 2015, 354, 161-167.	3.1	11
54	Microstructures, mechanical properties and cytotoxicity of low cost beta Ti-Mn alloys for biomedical applications. <i>Acta Biomaterialia</i> , 2015, 26, 366-376.	4.1	80

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55	In vitro and in vivo biocompatibility and corrosion behaviour of a bioabsorbable magnesium alloy coated with octacalcium phosphate and hydroxyapatite. <i>Acta Biomaterialia</i> , 2015, 11, 520-530.	4.1	173
56	Response of osteoblast-like MC3T3-E1 cells on bioactive titanium fabricated by a chemical treatment process using a calcium-phosphate slurry. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3838-3845.	2.1	8
57	Effect of treatment temperature on the biocompatibility and mechanical strength of hydroxyapatite coating formed on titanium using calcium phosphate slurry. <i>Surface and Coatings Technology</i> , 2014, 239, 185-190.	2.2	16
58	Effect of phosphorous incorporation on crystallinity, morphology, and photocatalytic activity of anodic oxide layer on titanium. <i>Thin Solid Films</i> , 2014, 556, 247-252.	0.8	15
59	Surface hardening of age-hardenable Cu-Ti dilute alloys by plasma nitriding. <i>Surface and Coatings Technology</i> , 2014, 258, 691-698.	2.2	15
60	Selectable surface nitridation of titanium using focused pulsed Nd:YAG laser irradiation with nitrogen gas blow. <i>Surface and Coatings Technology</i> , 2014, 246, 52-56.	2.2	17
61	Structural changes of anodic layer on titanium in sulfate solution as a function of anodization duration in constant current mode. <i>Applied Surface Science</i> , 2014, 296, 163-168.	3.1	15
62	Thickness of titanium nitride layers formed by focused low-power pulsed Nd:YAG laser irradiation in nitrogen atmospheres. <i>Surface and Coatings Technology</i> , 2014, 244, 57-62.	2.2	13
63	Effect of sterilization and water rinsing on cell adhesion to titanium surfaces. <i>Applied Surface Science</i> , 2014, 311, 498-502.	3.1	18
64	Photocatalytic Activity of the Oxide Layer Formed on NiTi Surface through Thermal Oxidation Process. <i>Materials Transactions</i> , 2014, 55, 1332-1336.	0.4	9
65	Effect of Testing Conditions for Photocatalytic Antibacterial Performance on Escherichia Coli Survival Rate of Ti Substrate. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2014, 78, 159-162.	0.2	1
66	Structural and characteristic variation of anodic oxide on pure Ti with anodization duration. <i>Applied Surface Science</i> , 2013, 283, 1018-1023.	3.1	20
67	Effect of electrolytes on anodic oxidation of titanium for fabricating titanium dioxide photocatalyst. <i>Thin Solid Films</i> , 2013, 534, 70-75.	0.8	25
68	Surface modification of Ti-6Al-4V alloy using an oxygen glow-discharge plasma to suppress the elution of toxic elements into physiological environment. <i>Surface and Coatings Technology</i> , 2013, 232, 298-302.	2.2	9
69	Fabrication of visible-light-responsive titanium dioxide layer on titanium using anodic oxidization in nitric acid. <i>Applied Surface Science</i> , 2013, 270, 513-518.	3.1	16
70	Chemical and crystallographic characterizations of hydroxyapatite- and octacalcium phosphate-coatings on magnesium synthesized by chemical solution deposition using XPS and XRD. <i>Surface and Coatings Technology</i> , 2013, 218, 114-118.	2.2	75
71	Dependence of core-level XPS spectra on iron silicide phase. <i>Applied Surface Science</i> , 2013, 264, 219-224.	3.1	38
72	Direct and Rapid Quantification of Calcium Phosphate Precipitate on Titanium by X-Ray Fluorescence Analysis Using Fundamental Parameter Method. <i>Materials Transactions</i> , 2013, 54, 817-824.	0.4	4

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73	Angle resolved XPS studies on an anodic oxide formed on Ti-Nb-Sn alloy and the photo-induced change in carbon contaminants adsorbed on its surface. <i>Applied Surface Science</i> , 2012, 258, 6052-6055.	3.1	16
74	Surface-nitriding treatment of steels using microwave-induced nitrogen plasma at atmospheric pressure. <i>Applied Surface Science</i> , 2012, 258, 7574-7580.	3.1	17
75	Experimental calibration curve for quantitative XPS analysis constructed from <i>in situ</i> fractured polycrystalline manganese silicide surfaces. <i>Surface and Interface Analysis</i> , 2012, 44, 993-996.	0.8	7
76	Thin hydroxyapatite coating on titanium fabricated by chemical coating process using calcium phosphate slurry. <i>Surface and Coatings Technology</i> , 2012, 206, 2616-2621.	2.2	29
77	Biofunctional calcium titanate coating on titanium by simple chemical treatment process using calcium-hydroxide slurry—Effects of the heating temperatures. <i>Progress in Organic Coatings</i> , 2011, 70, 353-357.	1.9	16
78	Visible light response of nitrogen and sulfur co-doped TiO <sub>2</sub> photocatalysts fabricated by anodic oxidation. <i>Catalysis Today</i> , 2011, 164, 399-403.	2.2	26
79	Fabrication of composite coating comprising bioactive calcium and sodium titanates on titanium using calcium hydroxide slurry containing sodium ions. <i>Surface and Coatings Technology</i> , 2011, 205, 3785-3790.	2.2	11
80	Protein Adsorption Properties on Titanium with and without Calcium Titanate-coating. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 192023.	0.3	2
81	Photo-induced characteristics of a Ti-Nb-Sn biometallic alloy with low Young's modulus. <i>Thin Solid Films</i> , 2010, 519, 276-283.	0.8	19
82	Dielectric properties of anodic oxide film on Nb solid solution/Nb <sub>2</sub> N two phase alloys. <i>Thin Solid Films</i> , 2010, 519, 719-724.	0.8	1
83	Comparison of surface films formed on titanium by pulsed Nd:YAG laser irradiation at different powers and wavelengths in nitrogen atmosphere. <i>Applied Surface Science</i> , 2010, 256, 4522-4526.	3.1	42
84	Surface hardening of titanium by pulsed Nd:YAG laser irradiation at 1064- and 532-nm wavelengths in nitrogen atmosphere. <i>Applied Surface Science</i> , 2010, 257, 691-695.	3.1	18
85	Ni <sub>3</sub> Al and NiAl by XPS. <i>Surface Science Spectra</i> , 2010, 17, 68-75.	0.3	1
86	Thermal stability, corrosion resistance, and surface analysis of Cu-Hf-Ti-Ni-Nb bulk metallic glasses. <i>Journal of Materials Research</i> , 2009, 24, 316-323.	1.2	3
87	Visible light responses of sulfur-doped rutile titanium dioxide photocatalysts fabricated by anodic oxidation. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 152-156.	10.8	76
88	Enhanced photocatalytic activity of rutile TiO <sub>2</sub> prepared by anodic oxidation in a high concentration sulfuric acid electrolyte. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 255-261.	10.8	78
89	X-ray photoelectron spectroscopic study on surface reaction on titanium by laser irradiation in nitrogen atmosphere. <i>Applied Surface Science</i> , 2009, 255, 7351-7356.	3.1	12
90	X-ray photoelectron spectroscopy study on the CrN surface grown on sapphire substrate to control the polarity of ZnO by plasma-assisted molecular beam epitaxy. <i>Applied Surface Science</i> , 2009, 255, 8582-8586.	3.1	9

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91	Hydrocarbon Decomposition on a Hydrophilic TiO <sub>2</sub> Surface by UV Irradiation: Spectral and Quantitative Analysis Using in-Situ XPS Technique. Langmuir, 2009, 25, 11586-11591.	1.6	85
92	Quantitative Evaluation of Calcium Phosphate on Surface of Titanium by X-ray Fluorescence Analysis. Materials Transactions, 2009, 50, 2297-2301.	0.4	5
93	Trace Analysis of Released Metallic Ions in Static Immersion Test for Characterization of Metallic Biomaterials. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2009, 73, 728-731.	0.2	0
94	X-ray photoelectron spectroscopic studies on initial oxidation of iron and manganese mono-silicides. Applied Surface Science, 2008, 254, 3288-3294.	3.1	31
95	Comparison of intrinsic zero-energy loss and Shirley-type background corrected profiles of XPS spectra for quantitative surface analysis: Study of Cr, Mn and Fe oxides. Applied Surface Science, 2008, 254, 5141-5148.	3.1	34
96	Microstructure and superhydrophilicity of anodic TiO <sub>2</sub> films on pure titanium. Thin Solid Films, 2008, 516, 7488-7496.	0.8	38
97	Surface hardening of biomedical Ti-29Nb-13Ta-4.6Zr and Ti-6Al-4V ELI by gas nitriding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 486, 193-201.	2.6	62
98	Calcium-hydroxide slurry processing for bioactive calcium-titanate coating on titanium. Surface and Coatings Technology, 2008, 202, 5110-5115.	2.2	23
99	Structural and dielectric properties of anodic oxide film on Nb-Ti alloy. Thin Solid Films, 2008, 516, 8613-8619.	0.8	11
100	X-ray photoelectron spectroscopic studies on oxidation behavior of nickel and iron aluminides under oxygen atmosphere at low pressures. Applied Surface Science, 2008, 254, 5336-5341.	3.1	10
101	Origin of ferromagnetism in ZnO codoped with Ga and Co: Experiment and theory. Physical Review B, 2008, 78, .	1.1	65
102	Superhydrophilicity of Rutile TiO <sub>2</sub> Prepared by Anodic Oxidation in High Concentration Sulfuric Acid Electrolyte. Chemistry Letters, 2008, 37, 1126-1127.	0.7	13
103	Trace Analysis of Released Metallic Ions in Static Immersion Test for Characterization of Metallic Biomaterials. Materials Transactions, 2008, 49, 1342-1345.	0.4	5
104	Characterization and Dissolution Behavior in a Physiological Solution of Heat-Treated CaTiO <sub>3</sub> Thin Films with Different Thicknesses. Solid State Phenomena, 2007, 127, 209-214.	0.3	0
105	Hard-Ceramic Layer Formed on Ti-29Nb-13Ta-4.6Zr and Ti-6Al-4V ELI during Gas Nitriding. Materials Science Forum, 2007, 561-565, 1509-1512.	0.3	2
106	Effects of Alloying Elements on Hard Ceramic Layer Formation on Surfaces of Biomedical Ti-29Nb-13Ta-4.6Zr and Ti-6Al-4V ELI during Gas Nitriding. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2007, 71, 415-422.	0.2	6
107	Calcium-Phosphate Formation on Titanium Modified with Newly Developed Calcium-Hydroxide-Slurry Treatment. Materials Transactions, 2007, 48, 105-110.	0.4	10
108	Oxidation behavior of NiAl alloy at low temperatures. Surface and Interface Analysis, 2007, 39, 528-532.	0.8	16

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109	CaTiO <sub>3</sub> coating on titanium for biomaterial application—Optimum thickness and tissue response. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 304-315.	2.1	64
110	Characterization of calcium titanate thin films deposited on titanium with reactive sputtering and pulsed laser depositions. <i>Surface and Coatings Technology</i> , 2007, 201, 7686-7691.	2.2	19
111	X-ray photoelectron spectroscopic study on initial oxidation of hafnium hydride fractured in an ultra-high vacuum. <i>Applied Surface Science</i> , 2007, 253, 6844-6847.	3.1	23
112	X-ray photoelectron spectroscopic studies on phase identification and quantification of nickel aluminides. <i>Applied Surface Science</i> , 2007, 253, 8713-8717.	3.1	21
113	XPS study on the surface films of a newly designed Ni-free Ti-based bulk metallic glass. <i>Acta Materialia</i> , 2007, 55, 2057-2063.	3.8	83
114	Calcium phosphates formation on CaTiO <sub>3</sub> coated titanium. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1009-1016.	1.7	39
115	Investigation for analytical procedure for determination of trace metallic ions in simulated body fluids by inductively coupled plasma atomic emission spectrometry (ICP-AES). <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 429-433.	1.7	7
116	Mechanical Properties of Melt-Spun Amorphous Ni-Nb-Zr Alloys after Hydrogen Charging. <i>Materials Transactions</i> , 2006, 47, 1523-1526.	0.4	14
117	Characterization of CaTiO <sub>3</sub> thin film prepared by ion-beam assisted deposition. <i>Surface and Coatings Technology</i> , 2006, 200, 5455-5461.	2.2	38
118	Hydrogen Accumulation in Surface of Perfluorosulfonic Acid Membranes after <sup>137</sup> Cs-Ray Irradiation using Elastic Recoil Detection Techniques. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 6385-6387.	0.8	1
119	Thermal Desorption of Hydrogen at the Titanium Hydride-Oxide Interface. <i>Materials Transactions</i> , 2005, 46, 196-198.	0.4	7
120	Measurements of the electrical resistance and the hydrogen depth distribution for Ni <sub>60</sub> Nb <sub>20</sub> Zr <sub>20</sub> amorphous alloy before and after hydrogen charging. <i>Solid State Communications</i> , 2005, 133, 511-513.	0.9	3
121	CaTiO <sub>3</sub> films sputter-deposited under simultaneous Ti-ion implantation on Ti-substrate. <i>Surface and Coatings Technology</i> , 2005, 200, 1005-1008.	2.2	22
122	Glass formation, corrosion behavior and mechanical properties of bulk glassy Cu—Hf—Ti—Nb alloys. <i>Acta Materialia</i> , 2005, 53, 3903-3911.	3.8	62
123	Luminescence in SiO <sub>2</sub> induced by MeV energy proton irradiation. <i>Journal of Nuclear Materials</i> , 2004, 329-333, 1507-1510.	1.3	32
124	Effects of <sup>137</sup> Cs-ray and neutron irradiation on electrical characteristic of proton-conducting polymer electrolyte membranes. <i>Journal of Nuclear Materials</i> , 2004, 329-333, 1499-1502.	1.3	3
125	Evaluation of Degradability of CaTiO <sub>3</sub> Thin Films in Simulated Body Fluids. <i>Materials Transactions</i> , 2004, 45, 1778-1781.	0.4	31
126	Silicon Contamination Adsorbed on Pure Titanium Plate during Soaking Test in Hanks' Balanced Saline Solution. <i>Materials Transactions</i> , 2004, 45, 550-553.	0.4	8



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127	Titanium-implanted CaTiO <sub>3</sub> films and their changes in Hanks' solution. Surface and Interface Analysis, 2003, 35, 483-488.	0.8	32
128	Re-emission of hydrogen implanted into graphite by helium ion bombardment. Journal of Nuclear Materials, 2003, 313-316, 274-278.	1.3	1
129	Hydrogen and deuterium uptake in helium implanted layer of Mo and W. Journal of Nuclear Materials, 2003, 313-316, 279-283.	1.3	7
130	Hydrogen accumulation in the helium implanted surface of Mo single crystals. Journal of Alloys and Compounds, 2003, 356-357, 326-329.	2.8	6
131	Studies of behavior of hydrogen in fused silica by ion beam analysis technique. , 2002, 4786, 189.		0
132	Ion beam analysis of helium and its irradiation effect on hydrogen trapping in W single crystals. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 652-656.	0.6	16
133	Helium and hydrogen trapping in W and Mo single-crystals irradiated by He ions. Journal of Nuclear Materials, 2002, 307-311, 1513-1516.	1.3	36
134	Fabrication of Antibacterial Titanium Implant Using Anodic Oxidation Technique. Materials Science Forum, 0, 783-786, 1326-1331.	0.3	2