

Kensuke Kuroda

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7108488/publications.pdf>

Version: 2024-02-01

77
papers

1,252
citations

279487

23
h-index

395343

33
g-index

78
all docs

78
docs citations

78
times ranked

1239
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxyapatite Coating of Titanium Implants Using Hydroprocessing and Evaluation of Their Osteoconductivity. <i>Bioinorganic Chemistry and Applications</i> , 2012, 2012, 1-7.	1.8	136
2	New insights into the interaction between heavy metals and struvite: Struvite as platform for heterogeneous nucleation of heavy metal hydroxide. <i>Chemical Engineering Journal</i> , 2019, 365, 60-69.	6.6	71
3	Hydroxyapatite coating on titanium by thermal substrate method in aqueous solution. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 59, 390-397.	3.0	69
4	Hydroxyapatite coating on titanium by means of thermal substrate method in aqueous solutions. <i>Solid State Ionics</i> , 2002, 151, 47-52.	1.3	58
5	Effects of ion concentration and pH on hydroxyapatite deposition from aqueous solution onto titanium by the thermal substrate method. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 61, 354-359.	3.0	49
6	Electrochemical and thermodynamic properties of titanium chloride solutions in various alkali chloride mixtures. <i>Electrochimica Acta</i> , 1998, 44, 421-431.	2.6	45
7	Preparation and Characterization of Hydroxyapatite Coating on AZ31 Mg Alloy for Implant Applications. <i>Bioinorganic Chemistry and Applications</i> , 2013, 2013, 1-6.	1.8	44
8	Hydrothermal treatment of titanium alloys for the enhancement of osteoconductivity. <i>Materials Science and Engineering C</i> , 2015, 49, 430-435.	3.8	40
9	Osteoinductivity of HAp Films with Different Surface Morphologies Coated by the Thermal Substrate Method in Aqueous Solutions. <i>Materials Transactions</i> , 2006, 47, 1391-1394.	0.4	37
10	Gallium doped NASICON type $\text{LiTi}_2(\text{PO}_4)_3$ thin-film grown on graphite anode as solid electrolyte for all solid state lithium batteries. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1147-1155.	2.8	36
11	Improvement in corrosion characteristics of AZ31 Mg alloy by square pulse anodizing between transpassive and active regions. <i>Corrosion Science</i> , 2012, 63, 5-11.	3.0	35
12	Synergistic corrosion protection for AZ31 Mg alloy by anodizing and stannate post-sealing treatments. <i>Electrochimica Acta</i> , 2013, 97, 313-319.	2.6	32
13	Preparation of Calcium Phosphate Coatings on Titanium Using the Thermal Substrate Method and Their <i>in vitro</i> Evaluation. <i>Materials Transactions</i> , 2002, 43, 3015-3019.	0.4	31
14	Hydroxyapatite Coatings on a 3D Porous Surface Using Thermal Substrate Method. <i>Materials Transactions</i> , 2005, 46, 1633-1635.	0.4	31
15	Osteoconductivity and Hydrophilicity of TiO_2 Coatings on Ti Substrates Prepared by Different Oxidizing Processes. <i>Bioinorganic Chemistry and Applications</i> , 2012, 2012, 1-7.	1.8	31
16	A new application of cell-free bone regeneration: immobilizing stem cells from human exfoliated deciduous teeth-conditioned medium onto titanium implants using atmospheric pressure plasma treatment. <i>Stem Cell Research and Therapy</i> , 2015, 6, 124.	2.4	30
17	Osteoconductivity of Anodized Titanium with Controlled Micron-Level Surface Roughness. <i>Materials Transactions</i> , 2011, 52, 1650-1654.	0.4	29
18	Formation and <i>in Vivo</i> Evaluation of Carbonate Apatite and Carbonate Apatite/ CaCO_3 Composite Films Using the Thermal Substrate Method in Aqueous Solution. <i>Materials Transactions</i> , 2008, 49, 1434-1440.	0.4	28

#	ARTICLE	IF	CITATIONS
19	Formation and Osteoconductivity of Hydroxyapatite/Collagen Composite Films Using a Thermal Substrate Method in Aqueous Solutions. <i>Materials Transactions</i> , 2009, 50, 1190-1195.	0.4	27
20	Evaluation of the Hydroxyapatite Film Coating on Titanium Cathode by QCM. <i>Materials Transactions</i> , 2002, 43, 3010-3014.	0.4	26
21	Osteoconductivity of Superhydrophilic Anodized TiO ₂ Coatings on Ti Treated with Hydrothermal Processes. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2013, 04, 45-52.	1.0	25
22	Surface Hydrophilicity and Osteoconductivity of Anodized Ti in Aqueous Solutions with Various Solute Ions. <i>Materials Transactions</i> , 2012, 53, 1956-1961.	0.4	24
23	Kaempferol-immobilized titanium dioxide promotes formation of new bone: effects of loading methods on bone marrow stromal cell differentiation in vivo and in vitro. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1665-1676.	3.3	24
24	Tailoring Surface Hydrophilicity Property for Biomedical 316L and 304 Stainless Steels: A Special Perspective on Studying Osteoconductivity and Biocompatibility. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45489-45497.	4.0	24
25	Formation of Amorphous TiO ₂ Film on Ti Using Anodizing in Concentrated H ₃ PO ₄ Aqueous Solution and Its Osteoconductivity. <i>Materials Transactions</i> , 2012, 53, 508-512.	0.4	22
26	Thin-Film NASICON-Type Li _{1-x} Al _x Ti ₂ (PO ₄) ₃ Solid Electrolyte Directly Fabricated on a Graphite Substrate with a Hydrothermal Method Based on Different Al Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10751-10762.	3.2	19
27	Improved surface morphology and corrosion resistance for galvanized coatings by pre-electroplating iron. <i>Corrosion Science</i> , 2012, 58, 152-158.	3.0	18
28	Temperature-dependent corrosion behaviour of flame-resistant, Ca-containing AZX911 and AMX602 Mg alloys. <i>Corrosion Science</i> , 2016, 103, 181-188.	3.0	18
29	High Osteoconductive Surface of Pure Titanium by Hydrothermal Treatment. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2013, 04, 284-290.	1.0	18
30	Osteoinductivity of Titania/Hydroxyapatite Composite Films Formed Using Pulse Electrolysis. <i>Materials Transactions</i> , 2007, 48, 328-331.	0.4	11
31	Enhancement of valve metal osteoconductivity by one-step hydrothermal treatment. <i>Materials Science and Engineering C</i> , 2014, 42, 405-411.	3.8	10
32	Formation of Titania/Hydroxyapatite Composite Films by Pulse Electrolysis. <i>Materials Transactions</i> , 2007, 48, 322-327.	0.4	9
33	Improvement in Coating Quality and Corrosion Characteristics of Galvanized Steels by Pre-Electrodeposition of Cu. <i>Journal of the Electrochemical Society</i> , 2012, 159, C441-C446.	1.3	9
34	New approach for controlling osteoconductivity of valve metals based on TiO ₂ coatings on Ti substrates. <i>Materials Technology</i> , 2015, 30, B13-B20.	1.5	9
35	Osteoinductivity of Hydroxyapatite Films with Different Surface Morphologies Coated by the Thermal Substrate Method in Aqueous Solutions. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2007, 71, 342-345.	0.2	8
36	Influence of surface properties on bioactivity and pull-out torque in cold thread rolled Ti rod—Development of bioactive metal-forming technology. <i>CIRP Annals - Manufacturing Technology</i> , 2012, 61, 579-582.	1.7	8

#	ARTICLE	IF	CITATIONS
37	Ultrathin LiFePO ₄ /C cathode for high performance lithium-ion batteries: Synthesis via solvothermal transformation of iron hydroxyl phosphate Fe ₃ (PO ₄) ₂ (OH) ₂ nanosheet. <i>Electrochimica Acta</i> , 2018, 289, 324-332.	2.6	8
38	Enhanced Corrosion Resistance of AZ31 Magnesium Alloy by Pulse Anodization. <i>Journal of the Electrochemical Society</i> , 2013, 160, C364-C368.	1.3	7
39	In vivo osteoconductivity of surface modified Ti-29Nb-13Ta-4.6Zr alloy with low dissolution of toxic trace elements. <i>PLoS ONE</i> , 2018, 13, e0189967.	1.1	6
40	Fabrication of the Silicate Containing CaTiO ₃ Film with Hydrophilic and Smooth Surface on Titanium to Improve Osteoconductivity. <i>Materials Transactions</i> , 2019, 60, 1807-1813.	0.4	6
41	Formation of Mg-Ni Hydrogen Absorption Alloy Film by Molten Salts Electrolysis. <i>Electrochemistry</i> , 1999, 67, 655-660.	0.6	6
42	Preparation of Size and Aggregation Controlled Nickel Oxalate Dihydrate Particles from Nickel Hydroxide. <i>Advanced Materials Research</i> , 2006, 15-17, 581-586.	0.3	5
43	Mechanism for the Formation of Black Cr-Co Electrodeposits from Cr ³⁺ Solution Containing Oxalic Acid. <i>Journal of the Electrochemical Society</i> , 2014, 161, D713-D718.	1.3	5
44	Leaching of Rare Earth Elements from Neodymium magnet using Electrochemical method. <i>Transactions of the Materials Research Society of Japan</i> , 2015, 40, 343-346.	0.2	5
45	Effect of [Al(DMSO) ₂] ³⁺ Concentration on Al Electrodeposition from AlCl ₃ /Dimethylsulfone Baths. <i>Journal of Electrochemical Science and Technology</i> , 2018, 9, 69-77.	0.9	5
46	Potential Response During the Formation of the La-Ni Alloy After Molten Salts Electrolysis. <i>Electrochemistry</i> , 2000, 68, 591-595.	0.6	5
47	Formation of ZnTe compounds by using the electrochemical ion exchange reaction in molten chloride. <i>Thin Solid Films</i> , 2005, 478, 223-227.	0.8	4
48	Formation and in Vivo Evaluation of Carbonate Apatite and Carbonate Apatite/CaCO ₃ Composite Films Using the Thermal Substrate Method in Aqueous Solution. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2009, 73, 346-353.	0.2	4
49	Electrochemical Leaching of Tungsten from Hard Metal Alloy Using Molten Sodium Hydroxide. <i>Materials Transactions</i> , 2015, 56, 733-737.	0.4	4
50	Effect of Anodizing Time on the Surface Morphology and Corrosion Resistance of AZ31 Magnesium Alloy. <i>Science of Advanced Materials</i> , 2015, 7, 76-79.	0.1	4
51	New Method for the Measurement of Effective Valence in Solid State Electrotransport and Its Application to the Fe-C and Fe-N Systems. <i>Materials Transactions, JIM</i> , 1995, 36, 1149-1156.	0.9	3
52	Anodic Oxide Coatings on Ti Alloys and their Osteoconductivity. <i>Materials Science Forum</i> , 0, 706-709, 612-616.	0.3	3
53	Development of Bioactivity and Pull-out Torque Control Technology on Ti Implant Surface and its Application for Cold Thread Rolled Bone Screw. <i>Procedia Engineering</i> , 2014, 81, 340-345.	1.2	3
54	Temperature dependence of initial passivity breakdown of AZ61 and AZ91D Mg alloys in 0.1 M NaCl solution. <i>Metals and Materials International</i> , 2015, 21, 857-864.	1.8	3

#	ARTICLE	IF	CITATIONS
55	Electrochemical behavior of tungsten carbide-cobalt alloy using molten hydroxide as electrolyte under low temperature. Journal of Material Cycles and Waste Management, 2020, 22, 348-353.	1.6	3
56	Effects of Titanium Surface Wettability on Osteoblast Behavior & In Vitro. Materials Science Forum, 0, 985, 64-68.	0.3	3
57	Formation of the Hydrogen Absorption Films by Molten Salts Electrolysis and Their Evaluation. Electrochemistry, 1998, 66, 549-555.	0.3	3
58	Formation of Titania/Hydroxyapatite Composite Films by Pulse Electrolysis. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 376-382.	0.2	2
59	Osteoconductivity of Anodized Titanium with Controlled Micron-Level Surface Roughness. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2012, 76, 283-288.	0.2	2
60	New Method for the Measurement of Effective Valence in Solid State Electrotransport and the Application to the Fe-C and Fe-N Systems. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1994, 58, 634-641.	0.2	2
61	Surface Layered Structure Control of Implants and Their Bioactivity. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 329-334.	0.1	2
62	Effect of Moisture in Molten Salts on Formation of La-Ni Alloy and its Potential Response. Electrochemistry, 2000, 68, 636-638.	0.6	1
63	Osteoconductivity of Titania/Hydroxyapatite Composite Films Formed Using Pulse Electrolysis. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 383-387.	0.2	1
64	Pretreatment of Metallic Biomaterials. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2013, 64, 634-639.	0.1	1
65	Osteoconductivity of Hydrothermal-Treated Valve Metals. Materials Science Forum, 0, 783-786, 1298-1302.	0.3	1
66	Direct fabrication of thin-film $\text{LiTi}_2(\text{PO}_4)_3$ electrodes using the hydrothermal method. Solid State Ionics, 2016, 296, 7-12.	1.3	1
67	Improvement of Osteoconductivity of Titanium using Surface Modification. Denki-seiko, 2008, 79, 229-237.	0.0	1
68	Electrotransport of Carbon and Nitrogen in γ -Iron. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1995, 59, 1247-1252.	0.2	1
69	Influence of Precipitation of Graphite and Precipitated Cementite on Solid State Electrotransport of Carbon in γ -Iron. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1996, 60, 446-451.	0.2	1
70	Calcium Phosphate Coating on Titanium Plates by Electrodeposition. Materials Research Society Symposia Proceedings, 2001, 711, 1.	0.1	0
71	Osteoconductive HAp and TiO_2 Coatings on Titanium using Hydro-process. Materials Research Society Symposia Proceedings, 2009, 1236, 1.	0.1	0
72	Improvement of Osteoconductivity of Hydroxyapatite Coating on Ti Substrate using Hydro-Processing. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2011, 62, 630.	0.1	0

#	ARTICLE	IF	CITATIONS
73	Osteoconductive TiO ₂ Coating on Titanium Using Anodizing in High Content Phosphoric Acid. Materials Science Forum, 0, 706-709, 538-542.	0.3	0
74	Formation of Amorphous TiO ₂ Film on Ti Using Anodizing in Concentrated H ₃ PO ₄ Aqueous Solution and Its Osteoconductivity. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2013, 77, 33-38.	0.2	0
75	Surface Hydrophilicity and Osteoconductivity of Anodized Ti in Aqueous Solutions with Various Solute Ions. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2013, 77, 311-317.	0.2	0
76	Osteoconductivity of Superhydrophilic Anodized TiO ₂ Films Using Hydrothermal Treatment. Materials Science Forum, 0, 783-786, 1332-1336.	0.3	0
77	Surface Modification with Hydrophilization. , 2019, , 505-521.		0