

Tetsuo Oishi

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Recycling of Tungsten by Molten Salt Process. Minerals, Metals and Materials Series, 2022, , 51-58.	0.3	1
2	In situ X-ray diffraction analysis of electrochemical Dy-Ni alloying in molten LiCl-KCl. Electrochemistry Communications, 2022, 138, 107287.	2.3	4
3	Electrochemical reduction behavior of vitrified nuclear waste simulant in molten CaCl ₂ . Journal of Nuclear Materials, 2021, 543, 152578.	1.3	4
4	Electrochemical Dy-alloying behaviors of Ni-based alloys in molten LiF-CaF ₂ -DyF ₃ and LiCl-KCl-DyCl ₃ : Effects of temperature and electrolysis potential. Journal of Alloys and Compounds, 2021, 889, 161605.	2.8	5
5	Selective Permeation of Neodymium Through an Alloy Diaphragm in Molten Chloride Systems. Journal of the Electrochemical Society, 2021, 168, 103504.	1.3	5
6	(Invited) A Novel Electrochemical Recycling Method for Rare Earth Metals from Scrap Magnets Using Molten Salt Electrolysis and Alloy Diaphragms. ECS Meeting Abstracts, 2021, MA2021-02, 1777-1777.	0.0	0
7	Electrochemical Formation of Elemental Boron in LiCl-KCl-KBF ₄ at 723 K. Journal of the Electrochemical Society, 2021, 168, 122503.	1.3	1
8	Separation of Neodymium and Dysprosium by Molten Salt Electrolysis Using an Alloy Diaphragm. Minerals, Metals and Materials Series, 2020, , 151-156.	0.3	4
9	Selective Permeation of Dysprosium Through an Alloy Diaphragm in Molten Chloride Systems. Journal of the Electrochemical Society, 2020, 167, 163505.	1.3	7
10	Electrochemical Dy-Alloying Behaviors of Ni-Based Alloys in Molten LiF-CaF ₂ -DyF ₃ : Effects of Constituent Elements. Materials Transactions, 2020, 61, 2329-2335.	0.4	4
11	Electrochemical Reduction Behavior of Boron in Molten LiCl-KCl-KBF ₄ . ECS Transactions, 2020, 98, 53-59.	0.3	0
12	Selective Permeation of Neodymium Through an Alloy Diaphragm in Molten Chloride Systems. ECS Transactions, 2020, 98, 27-32.	0.3	1
13	Electrochemical Reduction Behavior of Boron in Molten LiCl-KCl-KBF ₄ . ECS Meeting Abstracts, 2020, MA2020-02, 2924-2924.	0.0	0
14	Selective Permeation of Neodymium Through an Alloy Diaphragm in Molten Chloride Systems. ECS Meeting Abstracts, 2020, MA2020-02, 2914-2914.	0.0	0
15	Solubility of Sodium Tungstate in Molten Sodium Hydroxide. Electrochemistry, 2018, 86, 61-65.	0.6	2
16	Electrochemical Formation of Nd Alloys Using Liquid Metal Electrodes in Molten LiCl-KCl Systems. Minerals, Metals and Materials Series, 2017, , 93-101.	0.3	4
17	Influence of partial pressure of water vapor on anodic dissolution of tungsten from super hard alloy tools in molten sodium hydroxide. International Journal of Refractory Metals and Hard Materials, 2017, 69, 254-258.	1.7	4
18	Adsorption of Arsenic from Alkaline Solutions. Kagaku Kogaku Ronbunshu, 2017, 43, 185-192.	0.1	4

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19	Electrorefining of Silicon Using Molten Salt and Liquid Alloy Electrodes. Journal of the Electrochemical Society, 2016, 163, E385-E389.	1.3	6
20	Electrochemical Formation of RE-Sn (RE=Dy, Nd) Alloys Using Liquid Sn Electrodes in a Molten LiCl-KCl System. ECS Transactions, 2016, 75, 341-348.	0.3	9
21	Anodic Dissolution of Tungsten from Super Hard Alloys in Molten Sodium Hydroxide. ECS Transactions, 2016, 75, 633-638.	0.3	1
22	Dy Permeation through an Alloy Diaphragm Using Electrochemical Implantation and Displantation. ECS Transactions, 2016, 75, 105-111.	0.3	1
23	Separation of Dy from Nd-Fe-B Magnet Scraps Using Molten Salt Electrolysis. ECS Transactions, 2014, 64, 593-600.	0.3	11
24	Effect of additives on monovalent copper electrodeposition in ammoniacal alkaline solutions. Hydrometallurgy, 2013, 133, 58-63.	1.8	8
25	Recycling of Rare Earths from Scrap. Fundamental Theories of Physics, 2013, 43, 159-211.	0.1	111
26	Electrochemical Formation of Tb-Ni Alloys in a Molten LiCl-KCl-TbCl ₃ System. ECS Transactions, 2013, 50, 561-569.	0.3	9
27	Electrochemical Formation of RE-Ni (RE=Pr, Nd, Dy) Alloys in Molten Halides. ECS Transactions, 2013, 50, 473-482.	0.3	20
28	(Keynote) Separation of Dy and Nd (La) Using Molten Salt and an Alloy Diaphragm. ECS Transactions, 2013, 50, 463-472.	0.3	17
29	Electrochemical Formation of RE-Cu (RE=Dy, Nd) Alloys in a Molten LiCl-KCl System. ECS Transactions, 2013, 53, 37-46.	0.3	10
30	Anodic Dissolution of Tungsten in a Molten Sodium Hydroxide. Journal of MMIJ, 2013, 129, 707-712.	0.4	5
31	Electrochemical Formation of Dy-Ni Alloys in Molten LiF-CaF ₂ -DyF ₃ . Journal of the Electrochemical Society, 2012, 159, E193-E197.	1.3	38
32	Process for Solar Grade Silicon Production by Molten Salt Electrolysis Using Aluminum-Silicon Liquid Alloy. Journal of the Electrochemical Society, 2011, 158, E93.	1.3	37
33	Electrochemical Formation of Nd-Ni Alloys in Molten LiF-CaF ₂ -NdF ₃ . Journal of the Electrochemical Society, 2011, 158, E142.	1.3	50
34	Separation and Recovery of Rare Earth Metals by Molten Salt Electrolysis using Alloy Diaphragm. Kagaku Kogaku Ronbunshu, 2010, 36, 299-303.	0.1	38
35	Electrochemical Formation of Nd-Ni Alloys in Molten LiF-CaF ₂ -NdF ₃ . ECS Transactions, 2010, 33, 205-212.	0.3	21
36	Hydrometallurgical process for the recycling of copper using anodic oxidation of cuprous ammine complexes and flow-through electrolysis. Electrochimica Acta, 2008, 53, 2585-2592.	2.6	31

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37	Effect of phosphate on lead removal during a copper recycling process from wastes using ammoniacal chloride solution. <i>Hydrometallurgy</i> , 2008, 90, 161-167.	1.8	16
38	Influence of ammonium salt on electrowinning of copper from ammoniacal alkaline solutions. <i>Electrochimica Acta</i> , 2007, 53, 127-132.	2.6	37
39	Electrolyte purification in energy-saving monovalent copper electrowinning processes. <i>Hydrometallurgy</i> , 2007, 87, 36-44.	1.8	47
40	Recovery of high purity copper cathode from printed circuit boards using ammoniacal sulfate or chloride solutions. <i>Hydrometallurgy</i> , 2007, 89, 82-88.	1.8	160
41	Influence of Electrolyte on an Energy-Saving Copper Recycling Process Using Ammoniacal Alkaline Solutions. <i>Materials Transactions</i> , 2006, 47, 2871-2876.	0.4	14
42	Process during laser implantation and ablation of Coumarin 6 in poly (butyl methacrylate) films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 183, 292-296.	2.0	9
43	Preparation of Coumarin 6 and ZnTPP micro dots on PBMA films by laser molecular implantation. <i>Applied Surface Science</i> , 2005, 241, 205-208.	3.1	7
44	Influence of reacting nitrogen gas consistence on the properties of TiN films prepared by rf. magnetron sputtering. <i>Applied Surface Science</i> , 2005, 244, 244-247.	3.1	22
45	Microdot pattern of multiple organic molecules prepared by laser photopolymerization process with a nanosecond pulsed laser. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 507-510.	1.1	2
46	Low Frictional Coating of Copper Oxide with Preferred Crystal Orientation. <i>Tribology Letters</i> , 2004, 17, 51-54.	1.2	11
47	Micro-patterning of multiple organic molecules by laser implantation. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 157-160.	1.1	12
48	Fabrication of polymer dot pattern containing fluorescent molecules by laser photopolymerization. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1733-1735.	1.1	4
49	Low frictional copper oxide film prepared with sodium hydroxide solution. <i>Surface and Interface Analysis</i> , 2004, 36, 1259-1261.	0.8	10
50	Lubricative coatings of copper oxide for aerospace applications. <i>Journal of Applied Physics</i> , 2003, 94, 2110-2114.	1.1	16
51	Control of pressure rise in a vacuum chamber by boron nitride and copper composite coating. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003, 21, 1873-1876.	0.9	1
52	Anode Discharge Electrolysis of Molten LiCl-KCl System. <i>Journal of the Electrochemical Society</i> , 2003, 150, D13.	1.3	5
53	Frictional Property of Zinc Oxide Coating Films Observed by Lateral Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4834-4836.	0.8	12
54	Improvement of Pressure Stability in a Vacuum Chamber with h-BN/Cu Coating. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2003, 46, 253-256.	0.2	0

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55	Formation of Metal Oxide Particles by Anode-Discharge Electrolysis of a Molten LiCl-KCl-CaO System. Journal of the Electrochemical Society, 2002, 149, D155.	1.3	12
56	Formation of Carbon Nitride by Anode-Discharge Electrolysis of Molten Salt. Journal of the Electrochemical Society, 2002, 149, D178.	1.3	13
57	Determination of Porosity of TiO ₂ Films from Reflection Spectra. Journal of the Electrochemical Society, 2002, 149, C89.	1.3	12
58	Formation of Transition Metal Sulfide Particles by Anode Discharge Electrolysis of Molten LiCl-KCl-KSCN System. Electrochemistry, 2002, 70, 697-700.	0.6	10
59	Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 819-824.	1.5	36
60	Formation of Porous TiO ₂ by Anodic Oxidation and Chemical Etching of Titanium. Electrochemistry, 2000, 68, 106-111.	0.6	14