

Tetsuo Oishi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6791409/publications.pdf>

Version: 2024-02-01

60
papers

956
citations

567144

15
h-index

477173

29
g-index

62
all docs

62
docs citations

62
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of high purity copper cathode from printed circuit boards using ammoniacal sulfate or chloride solutions. Hydrometallurgy, 2007, 89, 82-88.	1.8	160
2	Recycling of Rare Earths from Scrap. Fundamental Theories of Physics, 2013, 43, 159-211.	0.1	111
3	Electrochemical Formation of Nd-Ni Alloys in Molten LiF-CaF ₂ -NdF ₃ . Journal of the Electrochemical Society, 2011, 158, E142.	1.3	50
4	Electrolyte purification in energy-saving monovalent copper electrowinning processes. Hydrometallurgy, 2007, 87, 36-44.	1.8	47
5	Separation and Recovery of Rare Earth Metals by Molten Salt Electrolysis using Alloy Diaphragm. Kagaku Kogaku Ronbunshu, 2010, 36, 299-303.	0.1	38
6	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
7	Influence of ammonium salt on electrowinning of copper from ammoniacal alkaline solutions. Electrochimica Acta, 2007, 53, 127-132.	2.6	37
8	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
9	Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 819-824.	1.5	36
10	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
11	Influence of reacting nitrogen gas consistence on the properties of TiN films prepared by rf. magnetron sputtering. Applied Surface Science, 2005, 244, 244-247.	3.1	22
12	Electrochemical Formation of Nd-Ni Alloys in Molten LiF-CaF ₂ -NdF ₃ . ECS Transactions, 2010, 33, 205-212.	0.3	21
13	Electrochemical Formation of RE-Ni (RE=Pr, Nd, Dy) Alloys in Molten Halides. ECS Transactions, 2013, 50, 473-482.	0.3	20
14	(Keynote) Separation of Dy and Nd (La) Using Molten Salt and an Alloy Diaphragm. ECS Transactions, 2013, 50, 463-472.	0.3	17
15	Lubricative coatings of copper oxide for aerospace applications. Journal of Applied Physics, 2003, 94, 2110-2114.	1.1	16
16	Effect of phosphate on lead removal during a copper recycling process from wastes using ammoniacal chloride solution. Hydrometallurgy, 2008, 90, 161-167.	1.8	16
17	Formation of Porous TiO ₂ by Anodic Oxidation and Chemical Etching of Titanium. Electrochemistry, 2000, 68, 106-111.	0.6	14
18	Influence of Electrolyte on an Energy-Saving Copper Recycling Process Using Ammoniacal Alkaline Solutions. Materials Transactions, 2006, 47, 2871-2876.	0.4	14

#	ARTICLE	IF	CITATIONS
19	Formation of Carbon Nitride by Anode-Discharge Electrolysis of Molten Salt. Journal of the Electrochemical Society, 2002, 149, D178.	1.3	13
20	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
21	Determination of Porosity of TiO ₂ Films from Reflection Spectra. Journal of the Electrochemical Society, 2002, 149, C89.	1.3	12
22	Frictional Property of Zinc Oxide Coating Films Observed by Lateral Force Microscopy. Japanese Journal of Applied Physics, 2003, 42, 4834-4836.	0.8	12
23	Micro-patterning of multiple organic molecules by laser implantation. Applied Physics A: Materials Science and Processing, 2004, 79, 157-160.	1.1	12
24	Low Frictional Coating of Copper Oxide with Preferred Crystal Orientation. Tribology Letters, 2004, 17, 51-54.	1.2	11
25	Separation of Dy from Nd-Fe-B Magnet Scraps Using Molten Salt Electrolysis. ECS Transactions, 2014, 64, 593-600.	0.3	11
26	Formation of Transition Metal Sulfide Particles by Anode Discharge Electrolysis of Molten LiCl-KCl-KSCN System. Electrochemistry, 2002, 70, 697-700.	0.6	10
27	Low frictional copper oxide film prepared with sodium hydroxide solution. Surface and Interface Analysis, 2004, 36, 1259-1261.	0.8	10
28	Electrochemical Formation of RE-Cu (RE=Dy, Nd) Alloys in a Molten LiCl-KCl System. ECS Transactions, 2013, 53, 37-46.	0.3	10
29	Process during laser implantation and ablation of Coumarin 6 in poly (butyl methacrylate) films. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 183, 292-296.	2.0	9
30	Electrochemical Formation of Tb-Ni Alloys in a Molten LiCl-KCl-TbCl ₃ System. ECS Transactions, 2013, 50, 561-569.	0.3	9
31	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
32	Effect of additives on monovalent copper electrodeposition in ammoniacal alkaline solutions. Hydrometallurgy, 2013, 133, 58-63.	1.8	8
33	Preparation of Coumarin 6 and ZnTPP micro dots on PBMA films by laser molecular implantation. Applied Surface Science, 2005, 241, 205-208.	3.1	7
34	Selective Permeation of Dysprosium Through an Alloy Diaphragm in Molten Chloride Systems. Journal of the Electrochemical Society, 2020, 167, 163505.	1.3	7
35	Electrorefining of Silicon Using Molten Salt and Liquid Alloy Electrodes. Journal of the Electrochemical Society, 2016, 163, E385-E389.	1.3	6
36	Anode Discharge Electrolysis of Molten LiCl-KCl System. Journal of the Electrochemical Society, 2003, 150, D13.	1.3	5

#	ARTICLE	IF	CITATIONS
37	Anodic Dissolution of Tungsten in a Molten Sodium Hydroxide. Journal of MMIJ, 2013, 129, 707-712.	0.4	5
38	Electrochemical Dy-alloying behaviors of Ni-based alloys in molten $\text{LiF-CaF}_2\text{-DyF}_3$ and LiCl-KCl-DyCl_3 : Effects of temperature and electrolysis potential. Journal of Alloys and Compounds, 2021, 889, 161605.	2.8	5
39	Selective Permeation of Neodymium Through an Alloy Diaphragm in Molten Chloride Systems. Journal of the Electrochemical Society, 2021, 168, 103504.	1.3	5
40	Fabrication of polymer dot pattern containing fluorescent molecules by laser photopolymerization. Applied Physics A: Materials Science and Processing, 2004, 79, 1733-1735.	1.1	4
41	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
42	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
43	Electrochemical reduction behavior of vitrified nuclear waste simulant in molten CaCl_2 . Journal of Nuclear Materials, 2021, 543, 152578.	1.3	4
44	Separation of Neodymium and Dysprosium by Molten Salt Electrolysis Using an Alloy Diaphragm. Minerals, Metals and Materials Series, 2020, , 151-156.	0.3	4
45	Adsorption of Arsenic from Alkaline Solutions. Kagaku Kogaku Ronbunshu, 2017, 43, 185-192.	0.1	4
46	Electrochemical Dy-Alloying Behaviors of Ni-Based Alloys in Molten $\text{LiF-CaF}_2\text{-DyF}_3$: Effects of Constituent Elements. Materials Transactions, 2020, 61, 2329-2335.	0.4	4
47	In situ X-ray diffraction analysis of electrochemical Dy-Ni alloying in molten LiCl-KCl . Electrochemistry Communications, 2022, 138, 107287.	2.3	4
48	Microdot pattern of multiple organic molecules prepared by laser photopolymerization process with a nanosecond pulsed laser. Applied Physics A: Materials Science and Processing, 2005, 81, 507-510.	1.1	2
49	Solubility of Sodium Tungstate in Molten Sodium Hydroxide. Electrochemistry, 2018, 86, 61-65.	0.6	2
50	Control of pressure rise in a vacuum chamber by boron nitride and copper composite coating. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1873-1876.	0.9	1
51	Anodic Dissolution of Tungsten from Super Hard Alloys in Molten Sodium Hydroxide. ECS Transactions, 2016, 75, 633-638.	0.3	1
52	Dy Permeation through an Alloy Diaphragm Using Electrochemical Implantation and Displantation. ECS Transactions, 2016, 75, 105-111.	0.3	1
53	Selective Permeation of Neodymium Through an Alloy Diaphragm in Molten Chloride Systems. ECS Transactions, 2020, 98, 27-32.	0.3	1
54	Recycling of Tungsten by Molten Salt Process. Minerals, Metals and Materials Series, 2022, , 51-58.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Electrochemical Formation of Elemental Boron in LiCl-KCl-KBF ₄ at 723 K. Journal of the Electrochemical Society, 2021, 168, 122503.	1.3	1
56	Improvement of Pressure Stability in a Vacuum Chamber with h-BN/Cu Coating. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 253-256.	0.2	0
57	(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
58	Electrochemical Reduction Behavior of Boron in Molten LiCl-KCl-KBF ₄ . ECS Transactions, 2020, 98, 53-59.	0.3	0
59	Electrochemical Reduction Behavior of Boron in Molten LiCl-KCl-KBF ₄ . ECS Meeting Abstracts, 2020, MA2020-02, 2924-2924.	0.0	0
60	Selective Permeation of Neodymium Through an Alloy Diaphragm in Molten Chloride Systems. ECS Meeting Abstracts, 2020, MA2020-02, 2914-2914.	0.0	0