Ryosuke O Suzuki

List of Publications by Year
in descending order

255	5,688	76294	128225
papers	citations	40 h-index	60 g-index

259	259	259	2551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new concept for producing Ti sponge: Calciothermic reduction. Jom, 2002, 54, 59-61.	0.9	248
2	Calciothermic reduction of titanium oxide and in-situ electrolysis in molten CaCl2. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2003, 34, 287-295.	1.0	216
3	Calciothermic reduction of TiO2 and in situ electrolysis of CaO in the molten CaCl2. Journal of Physics and Chemistry of Solids, 2005, 66, 461-465.	1.9	139
4	Calciothermic reduction of titanium oxide in molten CaCl2. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2003, 34, 277-285.	1.0	115
5	Thermodynamic Properties of Dilute Titanium-Oxygen Solid Solution in Beta Phase. Materials Transactions, JIM, 1991, 32, 485-488.	0.9	109
6	Fabrication of Self-Ordered Porous Alumina via Etidronic Acid Anodizing and Structural Color Generation from Submicrometer-Scale Dimple Array. Electrochimica Acta, 2015, 156, 235-243.	2.6	98
7	Rapid fabrication of self-ordered porous alumina with 10-/sub-10-nm-scale nanostructures by selenic acid anodizing. Scientific Reports, 2013, 3, 2748.	1.6	94
8	Calcium-deoxidation of niobium and titanium in Ca-saturated CaCl2 molten salt. Journal of Alloys and Compounds, 1999, 288, 173-182.	2.8	92
9	MoSi2 coating on molybdenum using molten salt. Journal of Alloys and Compounds, 2000, 306, 285-291.	2.8	86
10	Thermodynamic description of the Pb-O system. Journal of Phase Equilibria and Diffusion, 1998, 19, 213-233.	0.3	79
11	Self-Ordering Behavior of Anodic Porous Alumina via Selenic Acid Anodizing. Electrochimica Acta, 2014, 137, 728-735.	2.6	79
12	Formation and crystallization of Al-Fe-Si amorphous alloys. Journal of Materials Science, 1983, 18, 1195-1201.	1.7	78
13	Compositional range of the Bi2Sr2CaCu2OxHTc-superconductor and its surrounding phases. Physica C: Superconductivity and Its Applications, 1992, 203, 299-314.	0.6	72
14	CO2 gas decomposition to carbon by electro-reduction in molten salts. Electrochimica Acta, 2013, 100, 293-299.	2.6	72
15	NbSi2 coating on niobium using molten salt. Journal of Alloys and Compounds, 2002, 336, 280-285.	2.8	69
16	Production of Extra Low Oxygen Titanium by Calcium-Halide Flux Deoxidation. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1991, 77, 93-99.	0.1	65
17	Conversion of unused heat energy to electricity by means of thermoelectric generation in condenser. IEEE Transactions on Energy Conversion, 2003, 18, 330-334.	3.7	65
18	Simultaneous Three-dimensional Analysis of Gasâ€“Solid Flow in Blast Furnace by Combining Discrete Element Method and Computational Fluid Dynamics. ISIJ International, 2011, 51, 41-50.	0.6	65

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19	Recent Progress on Advanced Blast Furnace Mathematical Models Based on Discrete Method. ISIJ International, 2014, 54, 1457-1471.	0.6	65
20	Porous Aluminum Oxide Formed by Anodizing in Various Electrolyte Species. Current Nanoscience, 2015, 11, 560-571.	0.7	64
21	Mathematical simulation of thermoelectric power generation with the multi-panels. Journal of Power Sources, 2003, 122, 201-209.	4.0	62
22	Tantalum and niobium powder preparation from their oxides by calciothermic reduction in the molten CaCl2. Journal of Physics and Chemistry of Solids, 2005, 66, 466-470.	1.9	62
23	Reduction of TiO₂ in Molten CaCl₂ by Ca Deposited during CaO Electrolysis. Materials Transactions, 2004, 45, 1665-1671.	0.4	61
24	Exploration for the Self-ordering of Porous Alumina Fabricated via Anodizing in Etidronic Acid. Electrochimica Acta, 2016, 211, 515-523.	2.6	61
25	Self-ordered Porous Alumina Fabricated via Phosphonic Acid Anodizing. Electrochimica Acta, 2016, 190, 471-479.	2.6	60
26	Direct reduction processes for titanium oxide in molten salt. Jom, 2007, 59, 68-71.	0.9	58
27	Fabrication of anodic porous alumina via anodizing in cyclic oxocarbon acids. Applied Surface Science, 2014, 313, 276-285.	3.1	57
28	Use of Ozone to Prepare Silver Oxides. Journal of the American Ceramic Society, 1999, 82, 2033-2038.	1.9	55
29	Thermoelectric properties of Fe2TiAl Heusler alloys. Journal of Alloys and Compounds, 2004, 377, 38-42.	2.8	51
30	Fabrication of Anodic Porous Alumina by Squaric Acid Anodizing. Electrochimica Acta, 2014, 123, 14-22.	2.6	51
31	Thermodynamics and Phase Equilibria in the SrCuO System. Journal of the American Ceramic Society, 1992, 75, 2833-2842.	1.9	49
32	Thermoelectric power generation: Converting low-grade heat into electricity. Jom, 1998, 50, 49-51.	0.9	46
33	Seebeck coefficient of (Fe,V)3Al alloys. Journal of Alloys and Compounds, 2001, 329, 63-68.	2.8	46
34	Calciothermic reduction of NiO by molten salt electrolysis of CaO in CaCl2 melt. Electrochimica Acta, 2011, 56, 8422-8429.	2.6	45
35	Gasâ€“solid flow simulation of fines clogging a packed bed using DEMâ€“CFD. Chemical Engineering Science, 2012, 71, 274-282.	1.9	44
36	Growth behavior of anodic porous alumina formed in malic acid solution. Applied Surface Science, 2013, 284, 907-913.	3.1	44

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37	Mathematic simulation on thermoelectric power generation with cylindrical multi-tubes. Journal of Power Sources, 2003, 124, 293-298.	4.0	43
38	Direct synthesis of the hydrogen storage Vâ€“Ti alloy powder from the oxides by calcium co-reduction. Journal of Alloys and Compounds, 2004, 385, 173-180.	2.8	41
39	Dynamic Analysis of Gas and Solid Flows in Blast Furnace with Shaft Gas Injection by Hybrid Model of DEM-CFD. ISIJ International, 2011, 51, 51-58.	0.6	41
40	Performance analysis of a double-pass thermoelectric solar air collector. Solar Energy Materials and Solar Cells, 2008, 92, 1105-1109.	3.0	40
41	Numerical Analysis of Carbon Monoxideâ€“Hydrogen Gas Reduction of Iron Ore in a Packed Bed by an Eulerâ€“Lagrange Approach. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 2395-2413.	1.0	40
42	Polymer nanoimprinting using an anodized aluminum mold for structural coloration. Applied Surface Science, 2015, 341, 19-27.	3.1	40
43	Study of the structure and crystallization of an Fe-17 at % B amorphous alloy. Journal of Materials Science, 1981, 16, 957-967.	1.7	39
44	Silicide coating on refractory metals in molten salt. Journal of Physics and Chemistry of Solids, 2005, 66, 526-529.	1.9	39
45	Advanced hard anodic alumina coatings via etidronic acid anodizing. Surface and Coatings Technology, 2017, 326, 72-78.	2.2	39
46	Effect of High Reactivity Coke for Mixed Charge in Ore Layer on Reaction Behavior of Each Particle in Blast Furnace. ISIJ International, 2013, 53, 1770-1778.	0.6	37
47	Influence of Shape of Cohesive Zone on Gas Flow and Permeability in the Blast Furnace Analyzed by DEM-CFD Model. ISIJ International, 2015, 55, 1232-1236.	0.6	37
48	Ultra-High Density Single Nanometer-Scale Anodic Alumina Nanofibers Fabricated by Pyrophosphoric Acid Anodizing. Scientific Reports, 2014, 4, 7411.	1.6	37
49	Mirror-finished superhydrophobic aluminum surfaces modified by anodic alumina nanofibers and self-assembled monolayers. Applied Surface Science, 2018, 440, 506-513.	3.1	37
50	Helical configuration for thermoelectric generation. Applied Thermal Engineering, 2016, 99, 352-357.	3.0	36
51	Corrosion-Resistant Porous Alumina Formed via Anodizing Aluminum in Etidronic Acid and Its Pore-Sealing Behavior in Boiling Water. Journal of the Electrochemical Society, 2019, 166, C261-C269.	1.3	36
52	Experimental Phase Diagram in the Agâ€Cu₂Oâ€CuO System. Journal of the American Ceramic Society, 1998, 81, 2181-2187.	1.9	34
53	Superhydrophilic and superhydrophobic aluminum alloys fabricated via pyrophosphoric acid anodizing and fluorinated SAM modification. Journal of Alloys and Compounds, 2017, 725, 379-387.	2.8	34
54	Design and Numerical Evaluation of Cascade-Type Thermoelectric Modules. Journal of Electronic Materials, 2013, 42, 1688-1696.	1.0	33

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55	Aluminum bulk micromachining through an anodic oxide mask by electrochemical etching in an acetic acid/perchloric acid solution. Microelectronic Engineering, 2013, 111, 14-20.	1.1	33
56	Recycling of Rare Earth Magnet Scraps: Part I Carbon Removal by High Temperature Oxidation. Materials Transactions, 2001, 42, 2487-2491.	0.4	32
57	Recycling of rare earth magnet scraps: Carbon and oxygen removal from Nd magnet scraps. Journal of Alloys and Compounds, 2006, 408-412, 1377-1381.	2.8	32
58	Optimum Exploration for the Self-Ordering of Anodic Porous Alumina Formed via Selenic Acid Anodizing. Journal of the Electrochemical Society, 2015, 162, E244-E250.	1.3	32
59	Fabrication of porous tungsten oxide via anodizing in an ammonium nitrate/ethylene glycol/water mixture for visible light-driven photocatalyst. Applied Surface Science, 2017, 422, 130-137.	3.1	32
60	Mathematic simulation on power generation by roll cake type of thermoelectric double cylinders. Journal of Power Sources, 2004, 133, 277-285.	4.0	31
61	Fabrication of Anodic Nanoporous Alumina via Acetylenedicarboxylic Acid Anodizing. ECS Electrochemistry Letters, 2014, 3, C25-C28.	1.9	31
62	DEM-SPH study of molten slag trickle flow in coke bed. Chemical Engineering Science, 2018, 175, 25-39.	1.9	30
63	Experimental Study of a Thermoelectric Generation System. Journal of Electronic Materials, 2011, 40, 744-752.	1.0	29
64	Growth behavior of anodic oxide formed by aluminum anodizing in glutaric and its derivative acid electrolytes. Applied Surface Science, 2014, 321, 364-370.	3.1	29
65	Electronic structure and magnetic properties of monoclinic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi><mml:msub><mml:mrow><mml:mtext>-Cu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub><mml:mi>V</mml:mi><mml:msub><mml:mrow><mml:mtext>O</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> A<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>CO</mml:mtext></mml:mrow></mml:math>. Physical Review B, 2009, 79, .	1.1	28
66	Computational Simulation of Thermoelectric Generators in Marine Power Plants. Materials Transactions, 2011, 52, 1549-1552.	0.4	28
67	Numerical Simulation of Dripping Behavior of Droplet in Packed Bed Using Particle Method. ISIJ International, 2012, 52, 1565-1573.	0.6	28
68	Fabrication of a novel aluminum surface covered by numerous high-aspect-ratio anodic alumina nanofibers. Applied Surface Science, 2015, 356, 54-62.	3.1	28
69	Superhydrophilicity of a nanofiber-covered aluminum surface fabricated via pyrophosphoric acid anodizing. Applied Surface Science, 2016, 389, 173-180.	3.1	28
70	Enthalphy relaxation of some metallic glasses near T g. Journal of Non-Crystalline Solids, 1984, 61-62, 1003-1008.	1.5	27
71	Recycling of Rare Earth Magnet Scraps Part III Carbon Removal from Nd Magnet Grinding Sludge under Vacuum Heating. Materials Transactions, 2002, 43, 256-260.	0.4	27
72	Nanostructural characterization of large-scale porous alumina fabricated via anodizing in arsenic acid solution. Applied Surface Science, 2017, 403, 652-661.	3.1	27

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73	Fabrication of a meniscus microlens array made of anodic alumina by laser irradiation and electrochemical techniques. Electrochimica Acta, 2013, 94, 269-276.	2.6	26
74	Model study of the effect of particles structure on the heat and mass transfer through the packed bed in ironmaking blast furnace. International Journal of Heat and Mass Transfer, 2015, 91, 1176-1186.	2.5	26
75	Electrolytic reduction of V₃S₄ in molten CaCl₂. Materials Transactions, 2017, 58, 371-376.	0.4	26
76	Detailed Modeling of Melt Dripping in Coke Bed by DEM â€“ SPH. ISIJ International, 2018, 58, 282-291.	0.6	26
77	Rapid reduction of titanium dioxide nano-particles by reduction with a calcium reductant. Journal of Physics and Chemistry of Solids, 2014, 75, 1041-1048.	1.9	25
78	Stable mesh-free moving particle semi-implicit method for direct analysis of gasâ€“liquid two-phase flow. Chemical Engineering Science, 2014, 111, 286-298.	1.9	25
79	Multiphase Particle Simulation of Gas Bubble Passing Through Liquid/Liquid Interfaces. Materials Transactions, 2014, 55, 1707-1715.	0.4	25
80	SPH simulations of the behavior of the interface between two immiscible liquid stirred by the movement of a gas bubble. Chemical Engineering Science, 2016, 141, 342-355.	1.9	25
81	Self-ordered nanospike porous alumina fabricated under a new regime by an anodizing process in alkaline media. Scientific Reports, 2021, 11, 7240.	1.6	25
82	Analysis of Effect of Packed Bed Structure on Liquid Flow in Packed Bed Using Moving Particle Semi-implicit Method. ISIJ International, 2015, 55, 1284-1290.	0.6	25
83	Metastable solid solubility limit of carbon in the Ni-C system. Journal of Materials Science Letters, 1985, 4, 872-875.	0.5	24
84	Formation of broccoli-like morphology of tantalum powder. Journal of Alloys and Compounds, 2005, 389, 310-316.	2.8	24
85	Self-Ordered Aluminum Anodizing in Phosphonoacetic Acid and Its Structural Coloration. ECS Solid State Letters, 2015, 4, P55-P58.	1.4	24
86	A Superhydrophilic Aluminum Surface with Fast Water Evaporation Based on Anodic Alumina Bundle Structures via Anodizing in Pyrophosphoric Acid. Materials, 2019, 12, 3497.	1.3	24
87	Titanium powder prepared by magnesiothermic reduction of Ti2+ in molten salt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1999, 30, 403-410.	1.0	23
88	Titanium powder production by TiCl4 gas injection into magnesium through molten salts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1998, 29, 1167-1174.	1.0	22
89	é„å…ƒæ€§æº¶è¡¡ã«ã‚ˆã‚‹å…ƒåŒ–ãƒã‚¿ãƒ³ã‚¬ãƒ³ç›´æŽ¥é„å…ƒ. Materia Japan, 2002, 41, 28-31.	0.1	22
90	Fabrication of self-ordered porous alumina via anodizing in sulfate solutions. Materials Letters, 2016, 183, 285-289.	1.3	22

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91	Thermodynamics and Phase Equilibria in the CaCuO System. Journal of the American Ceramic Society, 1994, 77, 41-48.	1.9	20
92	Mathematic simulation on power generation by roll cake type of thermoelectric tubes. Journal of Power Sources, 2004, 132, 266-274.	4.0	20
93	Wettability Model Considering Three-Phase Interfacial Energetics in Particle Method. Materials Transactions, 2012, 53, 662-670.	0.4	20
94	Characterization of Liquid Trickle Flow in Poor-Wetting Packed Bed. ISIJ International, 2015, 55, 1259-1266.	0.6	20
95	Direct Production of Tiâ€“29Nbâ€“13Taâ€“4.6Zr Biomedical Alloy from Oxide Mixture in Molten CaCl[sub 2]. Journal of the Electrochemical Society, 2010, 157, E117.	1.3	19
96	Effects of Fluid Directions on Heat Exchange in Thermoelectric Generators. Journal of Electronic Materials, 2012, 41, 1766-1770.	1.0	19
97	Thermoelectric Analysis for Helical Power Generation Systems. Journal of Electronic Materials, 2014, 43, 1509-1520.	1.0	19
98	Advancing and receding contact angle investigations for highly sticky and slippery aluminum surfaces fabricated from nanostructured anodic oxide. RSC Advances, 2018, 8, 37315-37323.	1.7	19
99	Solid state deoxidation of niobium by calcium and magnesium. Journal of Alloys and Compounds, 1998, 266, 247-254.	2.8	18
100	Influence of Physical Properties of Melt on Liquid Dripping in Packed Bed Analyzed by MPS Method. ISIJ International, 2013, 53, 590-597.	0.6	18
101	Simulation Analysis of Tilted Polyhedron-Shaped Thermoelectric Elements. Journal of Electronic Materials, 2015, 44, 1469-1476.	1.0	18
102	Fabrication of anodic porous alumina via galvanostatic anodizing in alkaline sodium tetraborate solution and their morphology. Journal of Electroanalytical Chemistry, 2019, 846, 113152.	1.9	18
103	Influence of sub-10Ânm anodic alumina nanowire morphology formed by two-step anodizing aluminum on water wettability and slipping behavior. Applied Surface Science, 2021, 546, 149090.	3.1	18
104	CO Gas Production by Molten Salt Electrolysis from CO₂ Gas. ISIJ International, 2015, 55, 404-408.	0.6	17
105	Highly Ordered Anodic Alumina Nanofibers Fabricated via Two Distinct Anodizing Processes. ECS Electrochemistry Letters, 2015, 4, H14-H17.	1.9	17
106	Reduction of CaTiO₃ by Electrolysis in the Molten Salt CaCl₂-CaO. Electrochemistry, 2018, 86, 82-87.	0.6	17
107	Formation of Titanium Sulfide from Titanium Oxycarbonitride by CS2 Gas. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1808-1821.	1.0	17
108	Nanostructural characterization of ordered gold particle arrays fabricated via aluminum anodizing, sputter coating, and dewetting. Applied Surface Science, 2019, 465, 747-753.	3.1	17

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109	Analysis of Powder Motion in a Packed Bed of Blast Furnace Using the Discrete Element Method. ISIJ International, 2015, 55, 1313-1320.	0.6	16
110	Analysis of the Performance of Thermoelectric Modules Under Concentrated Radiation Heat Flux. Journal of Electronic Materials, 2016, 45, 1827-1835.	1.0	16
111	Detailed modelling of packed-bed gas clogging due to thermal-softening of iron ore by Eulerianâ€“Lagrangian approach. Chemical Engineering Journal, 2020, 392, 123643.	6.6	16
112	Dimensional Analysis of Thermoelectric Modules Under Constant Heat Flux. Journal of Electronic Materials, 2015, 44, 348-355.	1.0	15
113	An SPH Study of Molten Matteâ€“Slag Dispersion. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 1792-1806.	1.0	15
114	Reduction of CaTiO₃ in Molten CaCl₂ - as Basic Understanding of Electrolysis. Materials Transactions, 2017, 58, 341-349.	0.4	15
115	Self-Ordering of Porous Anodic Alumina Fabricated by Anodizing in Chromic Acid at High Temperature. Journal of the Electrochemical Society, 2021, 168, 093501.	1.3	15
116	Electroless coating of Fe₃Si on steel in the molten salt. Steel Research = Archiv FÃ¼r Das EisenhÃ¼ttenwesen, 2000, 71, 130-137.	0.2	14
117	Dielectric properties of tantalum powder with broccoli-like morphology. Journal of Alloys and Compounds, 2005, 392, 225-230.	2.8	14
118	Influence of Current Density on the Reduction of TiO₂ in Molten Salt (CaCl₂ + CaO). Materials Transactions, 2009, 50, 2704-2708.	0.4	14
119	Simulation of a Thermoelectric Module Having Parallelogram Elements. Materials Transactions, 2014, 55, 1219-1225.	0.4	14
120	Solubility of gaseous carbon dioxide in molten LiClâ€“Li2O. Fluid Phase Equilibria, 2015, 385, 48-53.	1.4	14
121	An Innovative Process for Production of Ti Metal Powder via TiSx from TiN. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 140-148.	1.0	14
122	SAXS study on the structure and crystallization of amorphous metallic alloys. Colloid and Polymer Science, 1981, 259, 677-682.	1.0	13
123	Elimination of copper from the molten steel by NH3blowing under reduced pressure. Steel Research = Archiv FÃ¼r Das EisenhÃ¼ttenwesen, 1995, 66, 372-376.	0.2	13
124	Iron-based Element for Low Temperature Thermoelectric Generator. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1997, 83, 157-161.	0.1	13
125	The Phase Equilibria and Seebeck Coefficient of (Co,M)₃AlC (M=Fe or Ni). Materials Transactions, 2006, 47, 1422-1427.	0.4	12
126	Direct Reduction of Vanadium Oxide in Molten CaCl2. ECS Transactions, 2007, 3, 347-356.	0.3	12

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127	Formation of niobium powder by electrolysis in molten salt. Electrochimica Acta, 2013, 100, 269-274.	2.6	12
128	Fabrication of a plasma electrolytic oxidation/anodic aluminum oxide multi-layer film via one-step anodizing aluminum in ammonium carbonate. Thin Solid Films, 2020, 697, 137799.	0.8	12
129	High-speed galvanostatic anodizing without oxide burning using a nanodimpled aluminum surface for nanoporous alumina fabrication. Applied Surface Science, 2021, 537, 147852.	3.1	12
130	Thermodynamics of Y₂Cu₂O₅ and YCuO₂ and Phase Equilibria in the Ba–Y–Cu–O System. Materials Transactions, JIM, 1990, 31, 1078-1084.	0.9	11
131	Thermoelectric properties of n-type Mn3â^'xCrxSi4Al2 in air. Journal of Applied Physics, 2012, 112, 073713.	1.1	11
132	Numerical Optimization of Trapezoidal Thermoelectric Elements for Double-Pipe-Shaped Module. Journal of Electronic Materials, 2016, 45, 1358-1364.	1.0	11
133	Spontaneous colloidal metal network formation driven by molten salt electrolysis. Scientific Reports, 2018, 8, 13114.	1.6	11
134	DSC study of Pd76Au6Si18 amorphous alloy. Journal of Materials Science Letters, 1982, 1, 127-130.	0.5	10
135	Processes to produce superconducting Nb3Sn powders from Nb-Sn oxide. Journal of Materials Science, 1987, 22, 1999-2005.	1.7	10
136	Removal of oxygen and nitrogen from niobium by external gettering. Journal of Alloys and Compounds, 1997, 248, 251-258.	2.8	10
137	Thermoelectric properties of the Fe-Al and Fe-Al-Si alloys for thermoelectric generation utilising low-temperature heat sources. Steel Research = Archiv FÃ¼r Das EisenhÃ¼ttenwesen, 1998, 69, 387-390.	0.2	10
138	CO₂decomposition using electrochemical process in molten salts. Journal of Physics: Conference Series, 2012, 379, 012038.	0.3	10
139	Analysis of Heat and Mass Transfer in a Packed Bed by Considering Particle Arrangement. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2012, 98, 341-350.	0.1	10
140	Niobium powder synthesized by calciothermic reduction of niobium hydroxide for use in capacitors. Journal of Physics and Chemistry of Solids, 2015, 78, 101-109.	1.9	10
141	Capturing the nonâ€spherical shape of granular media and its trickle flow characteristics using fullyâ€Lagrangian method. AICHE Journal, 2017, 63, 2257-2271.	1.8	10
142	Thermoelectric performance using counter-flowing thermal fluids. International Journal of Hydrogen Energy, 2017, 42, 20835-20842.	3.8	10
143	Initial Structural Changes of Porous Alumina Film via High-Resolution Microscopy Observations. ECS Journal of Solid State Science and Technology, 2020, 9, 044004.	0.9	10
144	Towards a sustainable technology for production of extra-pure Ti metal: Electrolysis of sulfurized Ti(C,N) in molten CaCl2. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1635-1643.	2.4	10

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145	Effect of Powderâ€“Liquid Interaction on Their Accumulation Behavior in Packed Bed. ISIJ International, 2014, 54, 1244-1250.	0.6	10
146	SAXS study on crystallization of an amorphous Pd76Au6Si18 alloy. Journal of Materials Science, 1984, 19, 1476-1485.	1.7	9
147	Direct Synthesis of TiCr₂ Powder by Calciothermic Co-reduction of their Oxides in Molten CaCl₂. Electrochemistry, 2005, 73, 724-729.	0.6	9
148	Synthesis of Higher Chromium Oxides Using Ozone Gas. Journal of the American Ceramic Society, 2008, 91, 1148-1154.	1.9	9
149	Production of Nbâ€“Tiâ€“Ni alloy in molten CaCl2. Electrochimica Acta, 2013, 100, 257-260.	2.6	9
150	Droplet Motion on Non-smooth Solid Surface. ISIJ International, 2015, 55, 1277-1283.	0.6	9
151	(Invited) Metal Production in CaCl₂-Based Melts. ECS Transactions, 2018, 86, 45-53.	0.3	9
152	Recent Studies on Titanium Refining: 2017â€“2020. Materials Transactions, 2021, 62, 905-913.	0.4	9
153	Numerical Simulation of Coexisting Solid-liquid Slag Trickle Flow in a Coke Bed by the SPH Method with a Non-Newtonian Fluid Model. ISIJ International, 2020, 60, 1445-1452.	0.6	9
154	Elimination of Copper from Molten Steel by Ammonia Gas Blowing. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1996, 82, 135-140.	0.1	9
155	Growth of Fe3Si layer deposited from the molten salt. Steel Research = Archiv FÃ¼r Das EisenhÃ¼ttenwesen, 2000, 71, 138-143.	0.2	8
156	Synthesis of Ti-6Al-4V Alloy by the Electrolysis of Molten CaCl2+CaO. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 921-927.	0.2	8
157	Performance Analysis of Thermoelectric Modules Using Polyhedron Elements. Materials Transactions, 2015, 56, 1092-1095.	0.4	8
158	Durability of Silicide-Based Thermoelectric Modules at High Temperatures in Air. Journal of Electronic Materials, 2015, 44, 2946-2952.	1.0	8
159	Morphology of lithium droplets electrolytically deposited in LiClâ€“KClâ€“Li2O melt. Electrochemistry Communications, 2017, 81, 43-47.	2.3	8
160	Column and film lifetimes in bubble-induced two-liquid flow. Physical Review E, 2018, 97, 062802.	0.8	8
161	Numerical Study of Binary Trickle Flow of Liquid Iron and Molten Slag in Coke Bed by Smoothed Particle Hydrodynamics. Processes, 2020, 8, 221.	1.3	8
162	Comprehensive numerical assessment of molten ironâ€“slag trickle flow and gas countercurrent in complex coke bed by Eulerianâ€“Lagrangian approach. Chemical Engineering Journal, 2021, 414, 128606.	6.6	8

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163	A New Concept of Sponge Titanium Production by Calciothermic Reduction of Titanium Oxide in the Molten CaCl2. ECS Proceedings Volumes, 2002, 2002-19, 810-821.	0.1	8
164	Seebeck Effect of Fe-Al-Si Alloy and Low Temperature Thermoelectric Properties. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1998, 84, 154-158.	0.1	8
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