

# Ryosuke O Suzuki

## List of Publications by Year in descending order

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255  
papers

5,688  
citations

76294

40  
h-index

128225

60  
g-index

259  
all docs

259  
docs citations

259  
times ranked

2551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of high-temperature non-uniform degradation on fines clogging and gas flow in a coke bed. Chemical Engineering Journal, 2022, 427, 131484.	6.6	7
2	Droplet behavior analysis on inclined, highly sticky, or slippery superhydrophobic nanostructured surfaces by observation and SPH simulation. Chemical Engineering Science, 2022, 248, 117214.	1.9	5
3	Quantification of the Impact of Residual H <sub>2</sub> O on Cathodic Behavior in Molten CaCl <sub>2</sub> Electrolysis. Journal of Sustainable Metallurgy, 2022, 8, 532-540.	1.1	4
4	Formation of Bright White Plasma Electrolytic Oxidation Films with a Uniform Maze-Like Structure by Anodizing Aluminum in Ammonium Tetraborate Solutions. Journal of the Electrochemical Society, 2022, 169, 043505.	1.3	2
5	A Sustainable Approach for Producing Ti and TiS <sub>2</sub> from TiC. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 77-87.	1.0	6
6	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
7	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
8	Synthesis of Silicon Sulfide by Using CS <sub>2</sub> Gas. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1379-1391.	1.0	6
9	Tantalum Metal Production Through High-Efficiency Electrochemical Reduction of TaS <sub>2</sub> in Molten CaCl <sub>2</sub> . Journal of Sustainable Metallurgy, 2021, 7, 437-447.	1.1	7
10	Influence of sub-10Ånm 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
11	Recent Studies on Titanium Refining: 2017–2020. Materials Transactions, 2021, 62, 905-913.	0.4	9
12	Comprehensive numerical assessment of molten iron–slag trickle flow and gas countercurrent in complex coke bed by Eulerian–Lagrangian approach. Chemical Engineering Journal, 2021, 414, 128606.	6.6	8
13	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
14	An Innovative Process for Production of Ti Metal Powder via TiS <sub>x</sub> from TiN. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 140-148.	1.0	14
15	Detailed modelling of packed-bed gas clogging due to thermal-softening of iron ore by Eulerian–Lagrangian approach. Chemical Engineering Journal, 2020, 392, 123643.	6.6	16
16	Visualization of TiO <sub>2</sub> Reduction Behavior in Molten Salt Electrolysis. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 11-15.	1.0	6
17	Photoluminescence from Anodic Aluminum Oxide Formed via Etidronic Acid Anodizing and Enhancing the Intensity. Materials Transactions, 2020, 61, 1130-1137.	0.4	7
18	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

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19	Characterization of the Cathodic Thermal Behavior of Molten CaCl <sub>2</sub> and Its Hygroscopic Chloride Mixture During Electrolysis. <i>Journal of the Electrochemical Society</i> , 2020, 167, 102507.	1.3	5
20	Numerical Study of Binary Trickle Flow of Liquid Iron and Molten Slag in Coke Bed by Smoothed Particle Hydrodynamics. <i>Processes</i> , 2020, 8, 221.	1.3	8
21	Fabrication of a plasma electrolytic oxidation/anodic aluminum oxide multi-layer film via one-step anodizing aluminum in ammonium carbonate. <i>Thin Solid Films</i> , 2020, 697, 137799.	0.8	12
22	Towards a sustainable technology for production of extra-pure Ti metal: Electrolysis of sulfurized Ti(C,N) in molten CaCl <sub>2</sub> . <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 1635-1643.	2.4	10
23	Anodizing Aluminum and Its Alloys in Etidronic Acid to Enhance Their Corrosion Resistance in a Sodium Chloride Solution. <i>Journal of the Electrochemical Society</i> , 2020, 167, 121502.	1.3	6
24	Numerical Simulation of Coexisting Solid-liquid Slag Trickle Flow in a Coke Bed by the SPH Method with a Non-Newtonian Fluid Model. <i>ISIJ International</i> , 2020, 60, 1445-1452.	0.6	9
25	Topological Consideration of 3-D Local Void Structure for Static Holdup Site in Packed Bed. <i>ISIJ International</i> , 2020, 60, 1453-1460.	0.6	7
26	Numerical Approach to Comprehend for Effect of Melts Physical Properties on Iron-slag Separation Behaviour in Self-reducing Pellet. <i>ISIJ International</i> , 2020, 60, 2695-2704.	0.6	3
27	Nanostructure of Anodic Porous Alumina Fabricated By Galvanostatic Anodizing in Etidronic Acid. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1227-1227.	0.0	0
28	Fabrication of Sticky and Slippery Superhydrophobic Aluminum Surfaces Covered with Nanostructured Anodic Oxide. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1234-1234.	0.0	0
29	Corrosion-Resistant Porous Alumina Formed via Anodizing Aluminum in Etidronic Acid and Its Pore-Sealing Behavior in Boiling Water. <i>Journal of the Electrochemical Society</i> , 2019, 166, C261-C269.	1.3	36
30	Solubility of CaS in CaCl <sub>2</sub> -LiCl Eutectic Melt. <i>Materials Transactions</i> , 2019, 60, 411-415.	0.4	5
31	Fabrication of anodic porous alumina via galvanostatic anodizing in alkaline sodium tetraborate solution and their morphology. <i>Journal of Electroanalytical Chemistry</i> , 2019, 846, 113152.	1.9	18
32	A Superhydrophilic Aluminum Surface with Fast Water Evaporation Based on Anodic Alumina Bundle Structures via Anodizing in Pyrophosphoric Acid. <i>Materials</i> , 2019, 12, 3497.	1.3	24
33	Solubility of CaS in Molten CaCl <sub>2</sub> . <i>Materials Transactions</i> , 2019, 60, 386-390.	0.4	6
34	Nanostructural characterization of ordered gold particle arrays fabricated via aluminum anodizing, sputter coating, and dewetting. <i>Applied Surface Science</i> , 2019, 465, 747-753.	3.1	17
35	Structural Characterization of Anodic Porous Alumina Formed By Galvanostatic Anodizing in Etidronic Acid. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
36	Alkaline Corrosion-Resistant Anodic Aluminum Oxide Formed By Etidronic Acid Anodizing. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0

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37	Fabrication of Sticky and Slippery Aluminum Alloys Based on Anodic Alumina Nanofibers. ECS Meeting Abstracts, 2019, , .	0.0	0
38	Mirror-finished superhydrophobic aluminum surfaces modified by anodic alumina nanofibers and self-assembled monolayers. Applied Surface Science, 2018, 440, 506-513.	3.1	37
39	Thermoelectric System Absorbing Waste Heat from a Steel Ladle. Journal of Electronic Materials, 2018, 47, 3238-3247.	1.0	6
40	Mathematical Analysis of the Solidification Behavior of Plain Steel Based on Solute- and Heat-Transfer Equations in the Liquid-Solid Zone. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 644-657.	1.0	3
41	Performance Analysis of Thermoelectric Modules Consisting of Square Truncated Pyramid Elements Under Constant Heat Flux. Journal of Electronic Materials, 2018, 47, 3288-3297.	1.0	5
42	DEM-SPH study of molten slag trickle flow in coke bed. Chemical Engineering Science, 2018, 175, 25-39.	1.9	30
43	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
44	Holdup Characteristics of Melt in Coke Beds of Different Shapes. ISIJ International, 2018, 58, 1742-1744.	0.6	7
45	(Invited) Metal Production in CaCl <sub>2</sub> -Based Melts. ECS Transactions, 2018, 86, 45-53.	0.3	9
46	Spontaneous colloidal metal network formation driven by molten salt electrolysis. Scientific Reports, 2018, 8, 13114.	1.6	11
47	Reduction of CaTiO <sub>3</sub> by Electrolysis in the Molten Salt CaCl <sub>2</sub> -CaO. Electrochemistry, 2018, 86, 82-87.	0.6	17
48	Column and film lifetimes in bubble-induced two-liquid flow. Physical Review E, 2018, 97, 062802.	0.8	8
49	Formation of Titanium Sulfide from Titanium Oxycarbonitride by CS <sub>2</sub> Gas. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1808-1821.	1.0	17
50	Detailed Modeling of Melt Dripping in Coke Bed by DEM-SPH. ISIJ International, 2018, 58, 282-291.	0.6	26
51	Evaluation of Coke Degradation Effect on Flow Characteristics in Packed Bed Using 3D Scanning for Rotational Mechanical Strength Test and Solid-liquid-gas Three-phase Dynamic Model Analysis. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2018, 104, 347-357.	0.1	7
52	Hard Porous Alumina Coatings Via Etidronic Acid Anodizing. ECS Meeting Abstracts, 2018, , .	0.0	0
53	Fabrication of Sticky and Slippery Superhydrophobic Aluminum Surfaces Via Pyrophosphoric Acid Anodizing and SAM Modification. ECS Meeting Abstracts, 2018, , .	0.0	0
54	(Invited) Metal Production in CaCl <sub>2</sub> -Based Melts. ECS Meeting Abstracts, 2018, , .	0.0	0

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55	Nanostructural characterization of large-scale porous alumina fabricated via anodizing in arsenic acid solution. <i>Applied Surface Science</i> , 2017, 403, 652-661.	3.1	27
56	Thermoelectric Generation Using Counter-Flows of Ideal Fluids. <i>Journal of Electronic Materials</i> , 2017, 46, 5136-5144.	1.0	4
57	An SPH Study of Molten Matte-Slag Dispersion. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 1792-1806.	1.0	15
58	Morphology of lithium droplets electrolytically deposited in LiCl-KCl-Li <sub>2</sub> O melt. <i>Electrochemistry Communications</i> , 2017, 81, 43-47.	2.3	8
59	Branched morphology of Nb powder particles fabricated by calciothermic reduction in CaCl <sub>2</sub> melt. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 58-63.	1.9	2
60	Capturing the non-spherical shape of granular media and its trickle flow characteristics using fully-lagrangian method. <i>AIChE Journal</i> , 2017, 63, 2257-2271.	1.8	10
61	Performance Simulation of a Flat-Plate Thermoelectric Module Consisting of Square Truncated Pyramid Elements. <i>Journal of Electronic Materials</i> , 2017, 46, 2691-2696.	1.0	7
62	Advanced hard anodic alumina coatings via etidronic acid anodizing. <i>Surface and Coatings Technology</i> , 2017, 326, 72-78.	2.2	39
63	Superhydrophilic and superhydrophobic aluminum alloys fabricated via pyrophosphoric acid anodizing and fluorinated SAM modification. <i>Journal of Alloys and Compounds</i> , 2017, 725, 379-387.	2.8	34
64	Fabrication of porous tungsten oxide via anodizing in an ammonium nitrate/ethylene glycol/water mixture for visible light-driven photocatalyst. <i>Applied Surface Science</i> , 2017, 422, 130-137.	3.1	32
65	Thermoelectric performance using counter-flowing thermal fluids. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20835-20842.	3.8	10
66	Electrolytic reduction of V <sub>2</sub> O <sub>5</sub> in molten CaCl <sub>2</sub> . <i>Materials Transactions</i> , 2017, 58, 371-376.	0.4	26
67	Reduction of CaTiO <sub>3</sub> in Molten CaCl <sub>2</sub> - as Basic Understanding of Electrolysis. <i>Materials Transactions</i> , 2017, 58, 341-349.	0.4	15
68	Observation of Interface Deformation in Sodium Polytungstate Solution-Silicone Oil System due to Single Rising Bubble. <i>ISIJ International</i> , 2017, 57, 394-396.	0.6	4
69	High-Speed Observation of Electrolytic Deposition of Liquid Lithium Droplets in LiCl-KCl Melt. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
70	Superhydrophilic and Superhydrophobic Aluminum Alloys Fabricated By Pyrophosphoric Acid Anodizing. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
71	Fabrication of Superhydrophobic Aluminum Surfaces By Pyrophosphoric Acid Anodizing and SAM Modification. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
72	Influence of Gas Injection Pipe on CO <sub>2</sub> Decomposition by CaCl <sub>2</sub> -CaO Molten Salt and ZrO <sub>2</sub> Solid Electrolysis. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2016, 102, 219-225.	0.1	0

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73	Influence of Gas Injection Pipe on CO <sub>2</sub> Decomposition by CaCl <sub>2</sub> Molten Salt and ZrO <sub>2</sub> Solid Electrolysis. ISIJ International, 2016, 56, 2093-2099.	0.6	1
74	Ca <sub>2</sub> Al <sub>2</sub> O <sub>7</sub> . Electrochemistry, 2016, 84, 505-505.	0.6	0
75	CO Gas Production by CO <sub>2</sub> Gas Decomposition in Molten Salt Electrolysis. ECS Transactions, 2016, 75, 533-542.	0.3	3
76	Helical configuration for thermoelectric generation. Applied Thermal Engineering, 2016, 99, 352-357.	3.0	36
77	Temperature Dependence of Behavior of Interface Between Molten Sn and LiCl-KCl Eutectic Melt Due to Rising Gas Bubble. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 1532-1537.	1.0	4
78	Superhydrophilicity of a nanofiber-covered aluminum surface fabricated via pyrophosphoric acid anodizing. Applied Surface Science, 2016, 389, 173-180.	3.1	28
79	Fabrication of self-ordered porous alumina via anodizing in sulfate solutions. Materials Letters, 2016, 183, 285-289.	1.3	22
80	Structural Investigation and Indium Substitution in the Thermoelectric Mn <sub>2.7</sub> Cr <sub>0.3</sub> Si <sub>4</sub> Al <sub>2</sub> x In x Series. Journal of Electronic Materials, 2016, 45, 1992-1999.	1.0	0
81	Exploration for the Self-ordering of Porous Alumina Fabricated via Anodizing in Etidronic Acid. Electrochimica Acta, 2016, 211, 515-523.	2.6	61
82	Numerical Optimization of Trapezoidal Thermoelectric Elements for Double-Pipe-Shaped Module. Journal of Electronic Materials, 2016, 45, 1358-1364.	1.0	11
83	Analysis of the Performance of Thermoelectric Modules Under Concentrated Radiation Heat Flux. Journal of Electronic Materials, 2016, 45, 1827-1835.	1.0	16
84	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
85	Self-ordered Porous Alumina Fabricated via Phosphonic Acid Anodizing. Electrochimica Acta, 2016, 190, 471-479.	2.6	60
86	Growth Behavior of Anodic Alumina Nanofibers Fabricated By Pyrophosphoric Acid Anodizing and Their Hydrophilicity. ECS Meeting Abstracts, 2016, , .	0.0	0
87	CO Gas Production by CO <sub>2</sub> Gas Decomposition in Molten Salt Electrolysis. ECS Meeting Abstracts, 2016, , .	0.0	0
88	Numerical Analysis of Blast Furnace by Discrete Element Type Model. Japanese Journal of Multiphase Flow, 2016, 30, 166-173.	0.1	0
89	Reduction of TiS <sub>2</sub> by OS Process in CaCl <sub>2</sub> Melt. ECS Meeting Abstracts, 2016, , .	0.0	1
90	Anodizing of Aluminum in Etidronic Acid Solution. ECS Meeting Abstracts, 2016, , .	0.0	0

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91	Performance Analysis of Thermoelectric Modules Using Polyhedron Elements. <i>Materials Transactions</i> , 2015, 56, 1092-1095.	0.4	8
92	Influence of Shape of Cohesive Zone on Gas Flow and Permeability in the Blast Furnace Analyzed by DEM-CFD Model. <i>ISIJ International</i> , 2015, 55, 1232-1236.	0.6	37
93	Droplet Motion on Non-smooth Solid Surface. <i>ISIJ International</i> , 2015, 55, 1277-1283.	0.6	9
94	CO Gas Production by Molten Salt Electrolysis from CO <sub>2</sub> Gas. <i>ISIJ International</i> , 2015, 55, 404-408.	0.6	17
95	Characterization of Liquid Trickle Flow in Poor-Wetting Packed Bed. <i>ISIJ International</i> , 2015, 55, 1259-1266.	0.6	20
96	Analysis of Powder Motion in a Packed Bed of Blast Furnace Using the Discrete Element Method. <i>ISIJ International</i> , 2015, 55, 1313-1320.	0.6	16
97	Reduction Behavior of Packed Bed of Sinter Reduced by CO <sub>2</sub> -H <sub>2</sub> O-N <sub>2</sub> Gas. <i>ISIJ International</i> , 2015, 55, 1213-1222.		
98	Highly Ordered Anodic Alumina Nanofibers Fabricated via Two Distinct Anodizing Processes. <i>ECS Electrochemistry Letters</i> , 2015, 4, H14-H17.	1.9	17
99	Durability of Silicide-Based Thermoelectric Modules at High Temperatures in Air. <i>Journal of Electronic Materials</i> , 2015, 44, 2946-2952.	1.0	8
100	Niobium powder synthesized by calciothermic reduction of niobium hydroxide for use in capacitors. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 78, 101-109.	1.9	10
101	Fabrication of Self-Ordered Porous Alumina via Etidronic Acid Anodizing and Structural Color Generation from Submicrometer-Scale Dimple Array. <i>Electrochimica Acta</i> , 2015, 156, 235-243.	2.6	98
102	Carbon Nanotube Synthesis via the Calciothermic Reduction of Carbon Dioxide with Iron Additives. <i>ECS Solid State Letters</i> , 2015, 4, M19-M22.	1.4	6
103	Self-Ordered Aluminum Anodizing in Phosphonoacetic Acid and Its Structural Coloration. <i>ECS Solid State Letters</i> , 2015, 4, P55-P58.	1.4	24
104	Optimum Exploration for the Self-Ordering of Anodic Porous Alumina Formed via Selenic Acid Anodizing. <i>Journal of the Electrochemical Society</i> , 2015, 162, E244-E250.	1.3	32
105	Dimensional Analysis of Thermoelectric Modules Under Constant Heat Flux. <i>Journal of Electronic Materials</i> , 2015, 44, 348-355.	1.0	15
106	Polymer nanoimprinting using an anodized aluminum mold for structural coloration. <i>Applied Surface Science</i> , 2015, 341, 19-27.	3.1	40
107	Fabrication of a novel aluminum surface covered by numerous high-aspect-ratio anodic alumina nanofibers. <i>Applied Surface Science</i> , 2015, 356, 54-62.	3.1	28
108	Model study of the effect of particles structure on the heat and mass transfer through the packed bed in ironmaking blast furnace. <i>International Journal of Heat and Mass Transfer</i> , 2015, 91, 1176-1186.	2.5	26



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109	Simulation Analysis of Tilted Polyhedron-Shaped Thermoelectric Elements. <i>Journal of Electronic Materials</i> , 2015, 44, 1469-1476.	1.0	18
110	Solubility of gaseous carbon dioxide in molten LiCl–Li <sub>2</sub> O. <i>Fluid Phase Equilibria</i> , 2015, 385, 48-53.	1.4	14
111	Porous Aluminum Oxide Formed by Anodizing in Various Electrolyte Species. <i>Current Nanoscience</i> , 2015, 11, 560-571.	0.7	64
112	Analysis of Effect of Packed Bed Structure on Liquid Flow in Packed Bed Using Moving Particle Semi-implicit Method. <i>ISIJ International</i> , 2015, 55, 1284-1290.	0.6	25
113	Recent Progress on Advanced Blast Furnace Mathematical Models Based on Discrete Method. <i>ISIJ International</i> , 2014, 54, 1457-1471.	0.6	65
114	Numerical Analysis of Carbon Monoxide–Hydrogen Gas Reduction of Iron Ore in a Packed Bed by an Euler–Lagrange Approach. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014, 45, 2395-2413.	1.0	40
115	Optimization of Module Shape in Thermoelectric Power Generation. <i>Key Engineering Materials</i> , 2014, 617, 251-255.	0.4	0
116	Thermoelectric Analysis for <i>n</i> -type Thermoelectric Module with Tilted Elements. <i>Materials Research Innovations</i> , 2014, 18, S4-116-S4-121.	1.0	4
117	Rapid reduction of titanium dioxide nano-particles by reduction with a calcium reductant. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 1041-1048.	1.9	25
118	Thermoelectric Analysis for Helical Power Generation Systems. <i>Journal of Electronic Materials</i> , 2014, 43, 1509-1520.	1.0	19
119	Fabrication of Anodic Nanoporous Alumina via Acetylenedicarboxylic Acid Anodizing. <i>ECS Electrochemistry Letters</i> , 2014, 3, C25-C28.	1.9	31
120	Fabrication of Anodic Porous Alumina by Squaric Acid Anodizing. <i>Electrochimica Acta</i> , 2014, 123, 14-22.	2.6	51
121	Thermoelectric Analysis for a Three-Dimensional Power Generator in Helical. <i>Key Engineering Materials</i> , 2014, 617, 260-264.	0.4	0
122	Growth behavior of anodic oxide formed by aluminum anodizing in glutaric and its derivative acid electrolytes. <i>Applied Surface Science</i> , 2014, 321, 364-370.	3.1	29
123	Fabrication of a micro-porous Ti–Zr alloy by electroless reduction with a calcium reductant for electrolytic capacitor applications. <i>Journal of Alloys and Compounds</i> , 2014, 586, 148-154.	2.8	7
124	Stable mesh-free moving particle semi-implicit method for direct analysis of gas–liquid two-phase flow. <i>Chemical Engineering Science</i> , 2014, 111, 286-298.	1.9	25
125	Using a Water Lens for Light Concentration in Thermoelectric Generation. <i>Journal of Electronic Materials</i> , 2014, 43, 2086-2093.	1.0	4
126	Fabrication of anodic porous alumina via anodizing in cyclic oxocarbon acids. <i>Applied Surface Science</i> , 2014, 313, 276-285.	3.1	57



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127	Self-Ordering Behavior of Anodic Porous Alumina via Selenic Acid Anodizing. <i>Electrochimica Acta</i> , 2014, 137, 728-735.	2.6	79
128	Multiphase Particle Simulation of Gas Bubble Passing Through Liquid/Liquid Interfaces. <i>Materials Transactions</i> , 2014, 55, 1707-1715.	0.4	25
129	Porous anodic oxide films on aluminum and their nanofabrication. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 2014, 64, 476-482.	0.1	4
130	Simulation of a Thermoelectric Module Having Parallelogram Elements. <i>Materials Transactions</i> , 2014, 55, 1219-1225.	0.4	14
131	Ultra-High Density Single Nanometer-Scale Anodic Alumina Nanofibers Fabricated by Pyrophosphoric Acid Anodizing. <i>Scientific Reports</i> , 2014, 4, 7411.	1.6	37
132	Effect of Powder-Liquid Interaction on Their Accumulation Behavior in Packed Bed. <i>ISIJ International</i> , 2014, 54, 1244-1250.	0.6	10
133	Design and Numerical Evaluation of Cascade-Type Thermoelectric Modules. <i>Journal of Electronic Materials</i> , 2013, 42, 1688-1696.	1.0	33
134	Fabrication of a meniscus microlens array made of anodic alumina by laser irradiation and electrochemical techniques. <i>Electrochimica Acta</i> , 2013, 94, 269-276.	2.6	26
135	Formation of niobium powder by electrolysis in molten salt. <i>Electrochimica Acta</i> , 2013, 100, 269-274.	2.6	12
136	Growth behavior of anodic porous alumina formed in malic acid solution. <i>Applied Surface Science</i> , 2013, 284, 907-913.	3.1	44
137	CO <sub>2</sub> gas decomposition to carbon by electro-reduction in molten salts. <i>Electrochimica Acta</i> , 2013, 100, 293-299.	2.6	72
138	Production of Nb-Ti-Ni alloy in molten CaCl <sub>2</sub> . <i>Electrochimica Acta</i> , 2013, 100, 257-260.	2.6	9
139	Thermoelectric Generation Using Water Lenses. <i>Journal of Electronic Materials</i> , 2013, 42, 1960-1965.	1.0	6
140	Aluminum bulk micromachining through an anodic oxide mask by electrochemical etching in an acetic acid/perchloric acid solution. <i>Microelectronic Engineering</i> , 2013, 111, 14-20.	1.1	33
141	Rapid fabrication of self-ordered porous alumina with 10-/sub-10-nm-scale nanostructures by selenic acid anodizing. <i>Scientific Reports</i> , 2013, 3, 2748.	1.6	94
142	Decomposition of CO <sub>2</sub> Gas in CaCl <sub>2</sub> -CaO and LiCl-Li <sub>2</sub> O Molten Salts. <i>ECS Transactions</i> , 2013, 50, 443-450.	0.3	3
143	New n-type Silicide Thermoelectric Material with High Oxidation Resistance. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1490, 103-112.	0.1	3
144	Effect of High Reactivity Coke for Mixed Charge in Ore Layer on Reaction Behavior of Each Particle in Blast Furnace. <i>ISIJ International</i> , 2013, 53, 1770-1778.	0.6	37

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145	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
146	Thermoelectric properties of n-type $Mn_{3-x}Cr_xSi_4Al_2$ in air. Journal of Applied Physics, 2012, 112, 073713.	1.1	11
147	Power generation using the fluids blown perpendicular to the TE panel. , 2012, , .		3
148	Dimensional optimization of thermoelectric modules for solar power generation. , 2012, , .		4
149	Wettability Model Considering Three-Phase Interfacial Energetics in Particle Method. Materials Transactions, 2012, 53, 662-670.	0.4	20
150	$CO_2$ decomposition using electrochemical process in molten salts. Journal of Physics: Conference Series, 2012, 379, 012038.	0.3	10
151	Numerical Simulation of Dripping Behavior of Droplet in Packed Bed Using Particle Method. ISIJ International, 2012, 52, 1565-1573.	0.6	28
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