

Jong Hyeon Lee

List of Publications by Year in descending order

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159
papers

1,549
citations

430874

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164
all docs

164
docs citations

164
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-assisted growth of equiangular 2D hexagons of AlN. <i>Materials Letters</i> , 2022, 314, 131840.	2.6	0
2	Effect of Li ₂ O concentration on hot corrosion behaviour of Ni-based alloys in a lithium molten salt for electroreduction process. <i>Corrosion Science</i> , 2022, 198, 110133.	6.6	3
3	Synergistic Optimization of the Thermoelectric and Mechanical Properties of Large-Size Homogeneous Bi _{0.5} Sb _{1.5} Te ₃ Bulk Samples via Carrier Engineering for Efficient Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10394-10406.	8.0	12
4	Synthesis and performance of Ti subchlorides (TiCl _x , x=2, 3) as a Ti-ion transport agent in NaCl-CaCl ₂ molten electrolyte. <i>Materialia</i> , 2022, 24, 101498.	2.7	1
5	Rare-earth hexaboride 2D nanostructures synthesis and coupling with NaAlH ₄ for improved hydrogen release. <i>Ceramics International</i> , 2021, 47, 877-888.	4.8	5
6	Precipitation behavior of M ₂₃ C ₆ carbides and its effect on mechanical properties of Ni-based Alloy 690. <i>Journal of Nuclear Science and Technology</i> , 2021, 58, 45-50.	1.3	4
7	Direct Electrochemical Reduction of Natural Ilmenite into Ferrotitanium Alloys in a Molten Salt of LiCl-Li ₂ O. <i>Journal of the Electrochemical Society</i> , 2021, 168, 026513.	2.9	5
8	Porous tantalum network structures exhibiting high electrochemical performance as capacitors. <i>Journal of Energy Storage</i> , 2021, 34, 102222.	8.1	4
9	High-Temperature Corrosion Behavior of Al-Coated Ni-Base Alloys in Lithium Molten Salt for Electroreduction. <i>Coatings</i> , 2021, 11, 328.	2.6	8
10	Powder characteristics of Al _{0.5} CoCrFeMnNi high-entropy alloys fabricated by gas atomisation method. <i>Powder Metallurgy</i> , 2021, 64, 219-227.	1.7	4
11	AlN nucleation and spontaneous pattern formation via combustion of an Al-C-AlF ₃ mixture in nitrogen. <i>Journal of Crystal Growth</i> , 2021, 560-561, 126044.	1.5	0
12	Effects of Advanced Amines on Magnetite Deposition of Steam Generator Tubes in Secondary System. <i>Coatings</i> , 2021, 11, 514.	2.6	2
13	Hf metal powder synthesis via a chemically activated combustion-reduction process. <i>Materials Chemistry and Physics</i> , 2021, 263, 124417.	4.0	4
14	Isothermal and cyclic corrosion behaviour of Ni-based alloys in an electrochemical reduction process. <i>Corrosion Engineering Science and Technology</i> , 2021, 56, 513-521.	1.4	6
15	Investigation of homogeneity in microstructure and thermoelectric properties at various positions in high-thickness sintered bulks of p-type 20%Bi ₂ Te ₃ –80%Sb ₂ Te ₃ alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16302-16310.	2.2	3
16	Understanding the microstructure and mechanical properties of Ta Al _{0.7} CoCrFeNi _{2.1} eutectic high entropy composites: Multi-scale deformation mechanism analysis. <i>Composites Part B: Engineering</i> , 2021, 214, 108750.	12.0	21
17	Effects of Zinc Addition on the Corrosion Behavior of Pre-Filmed Alloy 690 in Borated and Lithiated Water at 330 °C. <i>Materials</i> , 2021, 14, 4105.	2.9	4
18	Formation of inhomogeneous micro-scale pores attributed ultralow ρ_{lat} and concurrent enhancement of thermoelectric performance in p-type Bi _{0.5} Sb _{1.5} Te ₃ alloys. <i>Journal of Alloys and Compounds</i> , 2021, 881, 160499.	5.5	5

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19	Combustion-Aluminothermic Reduction of TiO ₂ to Produce Titanium Low Oxygen Suboxides. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 4012-4022.	2.1	3
20	Morphological diversity of AlN nano- and microstructures: synthesis, growth orientations and theoretical modelling. International Materials Reviews, 2020, 65, 323-355.	19.3	9
21	Recovery of Ti and Zr metals from spent leaching solutions by a precipitation-reduction pathway. Materials Research Bulletin, 2020, 122, 110687.	5.2	1
22	Polysiloxane-derived silicon nanoparticles for Li-ion battery. Journal of Energy Storage, 2020, 27, 101141.	8.1	7
23	High-temperature corrosion behavior of Kanthal alloy in molten silver under an oxidizing atmosphere. Corrosion Science, 2020, 163, 108247.	6.6	0
24	Effect of the electrolyte composition on the electrochemical behavior of Nd fluoride complex in a LiF-NdF ₃ -Nd ₂ O ₃ molten salt. Journal of Electroanalytical Chemistry, 2020, 879, 114751.	3.8	4
25	Effect of zinc addition on fuel crud deposition in simulated PWR primary coolant conditions. Annals of Nuclear Energy, 2020, 146, 107643.	1.8	7
26	Combustion Synthesis of C and SiC Nanoparticles from Na ₂ CO ₃ -Si Mixtures: Characterization and Electrochemical Performance. International Journal of Self-Propagating High-Temperature Synthesis, 2020, 29, 65-76.	0.5	2
27	Tantalum network nanoparticles from a Ta ₂ O ₅ +kMg system by liquid magnesium controlled combustion. Combustion and Flame, 2020, 219, 136-146.	5.2	8
28	3D self-assemblies of β -Si ₃ N ₄ : Synthesis, characterization and growth mechanism. Journal of Crystal Growth, 2020, 549, 125866.	1.5	2
29	Comparison of High-Temperature Corrosion Behavior of a FeCrAl Anode Current Collector in Liquid Ag and O ₂ for the Solid Oxide Membrane Electrolysis Process. Oxidation of Metals, 2020, 94, 343-357.	2.1	0
30	Separation behavior of nickel and cobalt in a LiCl-KCl-NiCl ₂ molten salt by electrorefining process. Journal of Electroanalytical Chemistry, 2020, 866, 114175.	3.8	17
31	Recrystallization stimulated hierarchical structures for the simultaneous enhancement of Seebeck coefficient and electrical conductivity in Bi-Sb-Te alloys. Journal of Alloys and Compounds, 2020, 842, 155804.	5.5	5
32	Correlation with the composition of the different parts of p-type Bi _{0.5} Sb _{1.5} Te ₃ sintered bulks and their thermoelectric characteristics. Journal of Alloys and Compounds, 2020, 845, 156114.	5.5	1
33	Formation of spherical alloy microparticles in a porous salt medium. Journal of Materials Science and Technology, 2020, 43, 189-196.	10.7	0
34	Mechanical and thermoelectric properties of environment friendly higher manganese silicide fabricated using water atomization and spark plasma sintering. Intermetallics, 2020, 119, 106705.	3.9	7
35	Effect of the grain size of YSZ ceramic materials on corrosion resistance in a hot molten salt CaCl ₂ -CaF ₂ -CaO system. Corrosion Science, 2020, 170, 108664.	6.6	13
36	Fabrication of large-scale p-type 75%Sb ₂ Te ₃ -25%Bi ₂ Te ₃ thermoelectric materials by gas atomization and hot isostatic pressing. Materials Research Bulletin, 2020, 130, 110924.	5.2	4

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37	CFD Analysis to Suppress Condensate Water Generated in Gas Sampling System of HANARO. Journal of Nuclear Fuel Cycle and Waste Technology, 2020, 18, 327-336.	0.3	0
38	Effect of Pressing Process on the High-Temperature Stability of Yttria-Stabilized Zirconia Ceramic Material in Molten Salt of CaCl ₂ -CaF ₂ -CaO. Korean Journal of Materials Research, 2020, 30, 176-183.	0.2	1
39	Electroreduction of indium tin oxide in a CaF ₂ -NaF-CaO molten salt at the solid oxide membrane anode system. Electrochimica Acta, 2019, 320, 134549.	5.2	4
40	Hot corrosion behaviour of nickel-cobalt-based alloys in a lithium molten salt. Corrosion Science, 2019, 151, 20-26.	6.6	18
41	Control and Theoretical Modeling of the Growth Process of AlN Six-fold and Multifold Armed Dendritic Crystals. Crystal Growth and Design, 2019, 19, 3244-3252.	3.0	3
42	High-temperature stability of CSZ, YSZ, and MSZ ceramic materials in CaCl ₂ -CaF ₂ -CaO molten salt system. Journal of Alloys and Compounds, 2019, 771, 924-935.	5.5	12
43	Characteristics of Nanosized Ni, NiCo-Y ₂ O ₃ Powders Synthesized by a PVA Solution Route at Low Temperature. Journal of Nanoscience and Nanotechnology, 2019, 19, 2366-2370.	0.9	0
44	Microstructure and Texture of P-Type Bi-Sb-Te Alloy by Using Gas-Atomization and Extrusion Processes. Journal of Nanoscience and Nanotechnology, 2019, 19, 2236-2239.	0.9	0
45	Enhanced thermoelectric properties of Bi _{0.5} Sb _{1.5} Te ₃ composites with in-situ formed senarmonite Sb ₂ O ₃ nanophase. Journal of Alloys and Compounds, 2019, 777, 703-711.	5.5	33
46	High Thermoelectric Figure of Merit in p-Type (Bi ₂ Te ₃) _x (Sb ₂ Te ₃) _{1-x} Alloys Made from Element-Mechanical Alloying and Spark Plasma Sintering. Journal of Electronic Materials, 2019, 48, 416-424.	2.2	13
47	A thermochemical and experimental study for the conversion of ilmenite sand into fine powders of titanium compounds. Materials Chemistry and Physics, 2019, 221, 1-10.	4.0	8
48	Effect of AlF ₃ on Zr Electrorefining Process in Chloride-Fluoride Mixed Salts for the Treatment of Cladding Hull Wastes. Journal of Nuclear Fuel Cycle and Waste Technology, 2019, 17, 127-137.	0.3	1
49	Evaluation of SMUT Properties according to Nb Content in the Pickling Process of Nuclear Fuel Cladding Tube. Korean Journal of Materials Research, 2019, 29, 483-490.	0.2	0
50	High-temperature stability of YSZ and MSZ ceramic materials in CaF ₂ -MgF ₂ -MgO molten salt system. Journal of the American Ceramic Society, 2018, 101, 2074-2083.	3.8	9
51	Electrowinning of Nuclear-Grade Zr from Ba ₂ ZrF ₈ -ZrF ₄ Salt System. Journal of the Electrochemical Society, 2018, 165, E1-E7.	2.9	5
52	Hierarchically porous carbon nanosheets derived from alkali metal carbonates and their capacitance in alkaline electrolytes. Materials Chemistry and Physics, 2018, 207, 513-521.	4.0	2
53	Investigation of microstructure and thermoelectric properties of p-type BiSbTe/ZnO composites. International Journal of Applied Ceramic Technology, 2018, 15, 125-131.	2.1	15
54	High-temperature corrosion characteristics of yttria-stabilized zirconia material in molten salts of LiCl-Li ₂ O and LiCl-Li ₂ O-Li. Journal of Nuclear Science and Technology, 2018, 55, 97-103.	1.3	18

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55	Corrosion Behavior of SA508 Coupled with and without Magnetite in EDTA-Based Solutions. <i>Coatings</i> , 2018, 8, 377.	2.6	4
56	Minimising oxygen contamination through a liquid copper-aided group IV metal production process. <i>Scientific Reports</i> , 2018, 8, 17391.	3.3	4
57	Temperature and Concentration Dependencies of LiF-NaF-K ₂ TaF ₇ Phase Equilibria and Effects on Ta Electrodeposition Layer. <i>Journal of the Electrochemical Society</i> , 2018, 165, D432-D438.	2.9	0
58	The growth of AlN dendritic crystals with uniform morphology by an aluminum microdroplet localization approach. <i>Combustion and Flame</i> , 2018, 196, 26-34.	5.2	3
59	Shape-controlled synthesis of titanium microparticles using calciothermic reduction concept. <i>Journal of Solid State Chemistry</i> , 2018, 267, 13-21.	2.9	5
60	Thermodynamically inert Sc ₂ O ₃ ceramic crucible for electrowinning process in pyroprocessing. <i>Journal of Nuclear Materials</i> , 2018, 507, 87-92.	2.7	0
61	Numerical analysis of impurity separation from waste salt by investigating the change of concentration at the interface during zone refining process. <i>Journal of Crystal Growth</i> , 2017, 474, 69-75.	1.5	2
62	NaF-assisted combustion synthesis of MoSi ₂ nanoparticles and their densification behavior. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 102, 34-41.	4.0	2
63	Separation of Cs and Sr from LiCl-KCl eutectic salt via a zone-refining process for pyroprocessing waste salt minimization. <i>Journal of Nuclear Materials</i> , 2017, 491, 9-17.	2.7	7
64	Hot corrosion behavior of magnesia-stabilized ceramic material in a lithium molten salt. <i>Journal of Nuclear Materials</i> , 2017, 490, 85-93.	2.7	10
65	Zr fine powder synthesized from a ZrO ₂ -Mg-additives system and its burning stability when printed in thin layers. <i>Combustion and Flame</i> , 2017, 183, 22-29.	5.2	6
66	Two-step process of regeneration of acid(s) from ZrF ₄ containing spent pickle liquor and recovery of zirconium metal. <i>Journal of Nuclear Materials</i> , 2017, 486, 44-52.	2.7	3
67	Effects of alloying elements of nickel-based alloys on the hot-corrosion behavior in an electrolytic reduction process. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2878-2885.	5.5	12
68	SHS as a new approach to synthesizing hierarchical inorganic structures. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2017, 26, 210-220.	0.5	2
69	Tailoring the morphology of AlN: from 6-fold patterned crystals to multilayer hierarchical structures. <i>CrystEngComm</i> , 2017, 19, 4489-4496.	2.6	5
70	Combustion synthesis of zero-, one-, two- and three-dimensional nanostructures: Current trends and future perspectives. <i>Progress in Energy and Combustion Science</i> , 2017, 63, 79-118.	31.2	157
71	Single-step combustion process for the synthesis of 1-D, 2-D, and 3-D hierarchically grown AlN structures. <i>Combustion and Flame</i> , 2017, 185, 210-219.	5.2	5
72	Electrorefining of CuZr Alloy Using Ba ₂ ZrF ₈ -LiF Electrolyte. <i>Korean Journal of Materials Research</i> , 2017, 27, 672-678.	0.2	3

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73	Reduction Kinetics of Zinc Powder from Brass Converter Slag by Pyrometallurgical Method Using Hydrogen Gas. KONA Powder and Particle Journal, 2016, 33, 278-286.	1.7	7
74	Separation of CsCl and SrCl ₂ from a ternary CsCl-SrCl ₂ -LiCl via a zone refining process for waste salt minimization of pyroprocessing. Journal of Nuclear Materials, 2016, 480, 403-410.	2.7	2
75	Separation behavior of impurities and selenium reduction by the reactive zone refining process using high-frequency induction heating to purify Te. Journal of Crystal Growth, 2016, 455, 6-12.	1.5	14
76	Controlling the leakage of liquid bismuth cathode elements in ceramic crucibles used for the electrowinning process in pyroprocessing. Journal of Nuclear Materials, 2016, 478, 91-96.	2.7	3
77	B-containing nanomaterial synthesis when a combustion wave moves within a packed bed of solid particles. Combustion and Flame, 2016, 172, 271-279.	5.2	4
78	Effect of a heat treatment on the precipitation behavior and tensile properties of alloy 690 steam generator tubes. Journal of Nuclear Materials, 2016, 479, 85-92.	2.7	30
79	Experimental Growth of New 6-fold Symmetry Patterned Microcrystals of AlN: Equilibrium Structures and Growth Mechanism. Crystal Growth and Design, 2016, 16, 5305-5311.	3.0	19
80	Numerical analysis and experimental validation of planar electrorefiner for spent nuclear fuel treatment using a tertiary model. Journal of Nuclear Science and Technology, 2016, 53, 2079-2089.	1.3	1
81	Influence of powder size on thermoelectric properties of p-type 25%Bi ₂ Te ₃ 75%Sb ₂ Te ₃ alloys fabricated using gas-atomization and spark-plasma sintering. Journal of Alloys and Compounds, 2016, 686, 1-8.	5.5	44
82	ZnO nanopowder derived from brass ash: Sintering behavior and mechanical properties. International Journal of Mineral Processing, 2016, 153, 87-94.	2.6	6
83	Gas-phase supported rapid manufacturing of Ti-6Al-4V alloy spherical particles for 3D printing. Chemical Engineering Journal, 2016, 304, 232-240.	12.7	16
84	Combustion-mediated synthesis of hollow carbon nanospheres for high-performance cathode material in lithium-sulfur battery. Carbon, 2016, 103, 255-262.	10.3	47
85	Effect of intermetallic compound thickness on anisotropy of Al/Cu honeycomb rods fabricated by hydrostatic extrusion process. Transactions of Nonferrous Metals Society of China, 2016, 26, 456-463.	4.2	10
86	Demonstration of a high throughput on-board hydrogen generation reactor system using aluminum coil as fuel for a vehicle. International Journal of Green Energy, 2016, 13, 573-579.	3.8	2
87	Recovery of Zirconium from Spent Pickling Acid through Precipitation Using BaF ₂ and Electrowinning in Fluoride Molten Salt. Korean Journal of Materials Research, 2016, 26, 681-687.	0.2	1
88	Numerical Investigation of the Discharge Efficiency of a Vanadium Redox Flow Battery with Varying Temperature and Ion Concentration. Transactions of the Korean Society of Mechanical Engineers, B, 2016, 40, 769-776.	0.1	0
89	Combustion Based Synthesis of AlN Nanoparticles Using a Solid Nitrogen Promotion Reaction. Journal of the American Ceramic Society, 2015, 98, 3740-3747.	3.8	4
90	Mechanical and asymmetrical thermal properties of Al/Cu composite fabricated by repeated hydrostatic extrusion process. Metals and Materials International, 2015, 21, 402-407.	3.4	22

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91	Effect of applied current on the formation of defect in PWR nuclear fuel rods in resistance pressure welding process. <i>Journal of Nuclear Science and Technology</i> , 2015, 52, 748-757.	1.3	14
92	Hot corrosion behaviour of Inconel 625 weldments in molten lithium salt. <i>Corrosion Engineering Science and Technology</i> , 2015, 50, 606-617.	1.4	5
93	Intergranular M ₂₃ C ₆ Carbide Precipitation Behavior and Its Effect on Mechanical Properties of Inconel 690 Tubes. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 4020-4026.	2.2	23
94	A thermochemical pathway for controlled synthesis of AlN nanoparticles in non-isothermal conditions. <i>Thermochimica Acta</i> , 2015, 604, 77-82.	2.7	7
95	Thermo-mechano-chemical stability of ceramic materials during the electrowinning process using liquid metal electrodes in molten salts. <i>Journal of Nuclear Science and Technology</i> , 2015, 52, 85-95.	1.3	2
96	Few-atomic-layer boron nitride nanosheets synthesized in solid thermal waves. <i>RSC Advances</i> , 2015, 5, 8579-8584.	3.6	20
97	Effects of fabrication process on microstructure and texture of Inconel 690 tubes for steam generator. <i>Journal of Nuclear Science and Technology</i> , 2015, 52, 1490-1495.	1.3	0
98	Polymer assisted approach to two-dimensional (2D) nanosheets of B ₄ C. <i>Chemical Engineering Journal</i> , 2015, 281, 218-226.	12.7	20
99	Melt-assisted solid flame synthesis approach to amorphous boron nanoparticles. <i>Combustion and Flame</i> , 2015, 162, 3316-3323.	5.2	7
100	Characterization of Ta-W alloy films deposited by molten salt Multi-Anode Reactive alloy Coating (MARC) method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 53, 23-31.	3.8	5
101	Iron-assisted electroless deposition reaction for synthesizing copper and silver dendritic structures. <i>CrystEngComm</i> , 2015, 17, 7535-7542.	2.6	13
102	Thermally induced formation of 2D hexagonal BN nanoplates with tunable characteristics. <i>Journal of Solid State Chemistry</i> , 2015, 225, 13-18.	2.9	18
103	Electrochemical behavior of Nd in its pyrometallurgical recovery from waste magnet. <i>Rare Metals</i> , 2015, 34, 111-117.	7.1	7
104	High Temperature Stability of Nitride Ceramic Materials in LiF-NdF ₃ -Nd ₂ O ₃ Molten Salts System. <i>Korean Journal of Materials Research</i> , 2015, 25, 694-702.	0.2	1
105	Corrosion Behavior of Zirconium Alloys with Nb and Cr Addition. <i>Korean Journal of Materials Research</i> , 2015, 25, 376-385.	0.2	0
106	Effect of Additives on the Characteristics of Amorphous Nano Boron Powder Fabricated by Self-Propagating High Temperature Synthesis. <i>Korean Journal of Materials Research</i> , 2015, 25, 659-665.	0.2	2
107	Aluminothermic Reduction of K ₂ TiF ₆ to Prepare TiC, TiB ₂ , and TiN Nanoparticles. <i>Combustion Science and Technology</i> , 2014, 186, 90-101.	2.3	8
108	Self-templated synthesis of hollow silica microspheres using Na ₂ SiO ₃ precursor. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 139-145.	4.4	15

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109	Preparation of Te nanopowder by vacuum distillation. Powder Technology, 2014, 256, 204-209.	4.2	6
110	Combustion synthesis and characterization of TaC, TaC/TaSi ₂ , and TaC/TaB nanoparticles. Chemical Engineering Science, 2014, 107, 227-234.	3.8	16
111	Numerical Analysis and Experimental Validation of Distillation Process for Purification of Tellurium. Separation Science and Technology, 2014, 49, 197-208.	2.5	2
112	Structural and thermal properties of boron nanoparticles synthesized from B ₂ O ₃ + 3Mg +kNaCl mixture. Combustion and Flame, 2014, 161, 3222-3228.	5.2	15
113	Thermoelectric properties of n-type Bi ₂ Te ₃ alloys produced by a combined process of magnetic pulsed compaction (MPC) and spark plasma sintering (SPS). Research on Chemical Intermediates, 2014, 40, 2543-2551.	2.7	9
114	CURRENT STATUS OF INTEGRITY ASSESSMENT BY SIPPING SYSTEM OF SPENT FUEL BUNDLES IRRADIATED IN CANDU REACTOR. Nuclear Engineering and Technology, 2014, 46, 875-882.	2.3	8
115	Low-temperature combustion waves in low-energy K ₂ TaF ₇ â€“Si-additive systems. Combustion and Flame, 2013, 160, 2631-2637.	5.2	4
116	Ammonium fluoride-activated synthesis of cubic Î-TaN nanoparticles at low temperatures. Nanoscale Research Letters, 2013, 8, 126.	5.7	6
117	Rapid solid-phase synthesis for tantalum nitride nanoparticles and coatings. International Journal of Refractory Metals and Hard Materials, 2013, 41, 162-168.	3.8	6
118	Microstructural and corrosion characteristics of tantalum coatings prepared by molten salt electrodeposition. Surface and Coatings Technology, 2013, 235, 819-826.	4.8	25
119	Computer-assisted design and experimental validation of multielectrode electrorefiner for spent nuclear fuel treatment using a tertiary model. Nuclear Engineering and Design, 2013, 257, 12-20.	1.7	16
120	Recovery of indium from used LCD panel by a time efficient and environmentally sound method assisted HEBM. Waste Management, 2013, 33, 730-734.	7.4	97
121	Purification of nuclear grade Zr scrap as the high purity dense Zr deposits from Zirlo scrap by electrorefining in LiFâ€“KFâ€“ZrF ₄ molten fluorides. Journal of Nuclear Materials, 2013, 436, 130-138.	2.7	35
122	Fabrication of tunable carbon micro- and nanotubes using reed as bio-template. Materials Letters, 2013, 107, 79-82.	2.6	7
123	The impact of cloud base station's coordinated multi-point schemes on mobility performance. , 2012, , .		4
124	Cyclic Corrosion Behavior of Ni-Based Superalloys in Hot Lithium Molten Salt. Oxidation of Metals, 2012, 78, 153-165.	2.1	9
125	Corrosion behavior of ceramic structural materials in an electrolytic reduction process. Journal of Nuclear Science and Technology, 2012, 49, 836-844.	1.3	4
126	Densification and microstructure of cross-roll rolled Cuâ€“15% In powder using copper can. Journal of Alloys and Compounds, 2012, 528, 146-150.	5.5	3

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127	Formation of high purity Si nanofiber from metallurgical grade Si by molten salt electrorefining. <i>Materials Chemistry and Physics</i> , 2012, 137, 160-168.	4.0	7
128	Chemical and morphological characterization of spherical Cu/Zn alloy microparticles produced by combustion synthesis. <i>Journal of Materials Research</i> , 2012, 27, 2601-2608.	2.6	1
129	High temperature corrosion behavior of Ni-based alloys. <i>Metals and Materials International</i> , 2012, 18, 939-949.	3.4	9
130	Preparation of zirconium-based ceramic and composite fine-grained powders. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 30, 133-138.	3.8	43
131	Low-temperature synthesis of zirconium metal using ZrCl ₄ -2Mg reactive mixtures. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 33, 33-37.	3.8	4
132	Size Tailored Nanoparticles of ZrN Prepared by Single-Step Exothermic Chemical Route. <i>Korean Journal of Materials Research</i> , 2012, 22, 243-248.	0.2	5
133	Electrodeposition Characteristics of Corrosion Resistant Tantalum Coating Layer for Hydrogen Production Sulfide-Iodine Process. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2012, 23, 573-580.	0.6	1
134	Effect of Si content on H ₂ production using Al-Si alloy powders. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15111-15118.	7.1	23
135	Efficient synthesis route to quasi-aligned and high-aspect-ratio aluminum nitride micro- and nanostructures. <i>Chemical Engineering Journal</i> , 2011, 174, 461-466.	12.7	18
136	Corrosion behavior of Ni-based structural materials for electrolytic reduction in lithium molten salt. <i>Journal of Nuclear Materials</i> , 2011, 412, 157-164.	2.7	14
137	Nuclear-grade zirconium prepared by combining combustion synthesis with molten-salt electrorefining technique. <i>Journal of Nuclear Materials</i> , 2011, 413, 107-113.	2.7	23
138	Preparation of porous zirconium microspheres by magnesiothermic reduction and their microstructural characteristics. <i>Journal of Materials Research</i> , 2011, 26, 2117-2122.	2.6	3
139	Analysis of the Aluminum Extrusion Process Equipped with the Continuous Heat Treatment System. <i>Korean Journal of Materials Research</i> , 2011, 21, 39-45.	0.2	0
140	Downlink Multi-Point Transmission Effect Using Aggregate Base Station Architecture. <i>IEICE Transactions on Communications</i> , 2011, E94-B, 3374-3377.	0.7	8
141	Salt evaporation behaviors of uranium deposits from an electrorefiner. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 283, 171-176.	1.5	9
142	Rapid and cost-effective method for synthesizing zirconium silicides. <i>Chemical Engineering Journal</i> , 2010, 165, 728-734.	12.7	18
143	Corrosion behaviour of Y ₂ O ₃ -ZrO ₂ coatings on IN713LC in a LiCl-Li ₂ O molten salt. <i>Corrosion Science</i> , 2010, 52, 2353-2364.	6.6	13
144	Spark Plasma Sintering and Ultra-Precision Machining Characteristics of SiC. <i>Korean Journal of Materials Research</i> , 2010, 20, 559-569.	0.2	0

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145	Concentrations of CsCl and SrCl ₂ from a Simulated LiCl Salt Waste Generated by Pyroprocessing by Using Czochralski Method. Journal of Nuclear Science and Technology, 2009, 46, 392-397.	1.3	12
146	Concentrations of CsCl and SrCl ₂ from a Simulated LiCl Salt Waste Generated by Pyroprocessing by Using Czochralski Method. Journal of Nuclear Science and Technology, 2009, 46, 392-397.	1.3	4
147	Electrodeposition Characteristics of Uranium in Molten LiCl-KCl Eutectic and its Salt Distillation Behavior. Journal of Nuclear Science and Technology, 2006, 43, 263-269.	1.3	30
148	The Fast Correlative Interferometer Direction Finder using I/Q Demodulator. , 2006, , .		25
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