

Jong Hyeon Lee

List of Publications by Year in descending order

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159
papers

1,549
citations

430874

18
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454955

30
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164
all docs

164
docs citations

164
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recovery of indium from used LCD panel by a time efficient and environmentally sound method assisted HEBM. <i>Waste Management</i> , 2013, 33, 730-734.	7.4	97
3	Combustion-mediated synthesis of hollow carbon nanospheres for high-performance cathode material in lithium-sulfur battery. <i>Carbon</i> , 2016, 103, 255-262.	10.3	47
4	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. <i>Journal of Alloys and Compounds</i> , 2016, 686, 1-8.	5.5	44
5	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
6	Purification of nuclear grade Zr scrap as the high purity dense Zr deposits from Zirlo scrap by electrorefining in LiF-KF-ZrF ₄ molten fluorides. <i>Journal of Nuclear Materials</i> , 2013, 436, 130-138.	2.7	35
7	Enhanced thermoelectric properties of Bi _{0.5} Sb _{1.5} Te ₃ composites with in-situ formed senarmontite Sb ₂ O ₃ nanophase. <i>Journal of Alloys and Compounds</i> , 2019, 777, 703-711.	5.5	33
8	Electrodeposition Characteristics of Uranium in Molten LiCl-KCl Eutectic and its Salt Distillation Behavior. <i>Journal of Nuclear Science and Technology</i> , 2006, 43, 263-269.	1.3	30
9	Effect of a heat treatment on the precipitation behavior and tensile properties of alloy 690 steam generator tubes. <i>Journal of Nuclear Materials</i> , 2016, 479, 85-92.	2.7	30
10	The Fast Correlative Interferometer Direction Finder using I/Q Demodulator. , 2006, , .		25
11	Microstructural and corrosion characteristics of tantalum coatings prepared by molten salt electrodeposition. <i>Surface and Coatings Technology</i> , 2013, 235, 819-826.	4.8	25
12	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
13	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
14	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
15	Mechanical and asymmetrical thermal properties of Al/Cu composite fabricated by repeated hydrostatic extrusion process. <i>Metals and Materials International</i> , 2015, 21, 402-407.	3.4	22
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	Few-atomic-layer boron nitride nanosheets synthesized in solid thermal waves. <i>RSC Advances</i> , 2015, 5, 8579-8584.	3.6	20
18	Polymer assisted approach to two-dimensional (2D) nanosheets of B ₄ C. <i>Chemical Engineering Journal</i> , 2015, 281, 218-226.	12.7	20

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19	Experimental Growth of New 6-fold Symmetry Patterned Microcrystals of AlN: Equilibrium Structures and Growth Mechanism. <i>Crystal Growth and Design</i> , 2016, 16, 5305-5311.	3.0	19
20	Rapid and cost-effective method for synthesizing zirconium silicides. <i>Chemical Engineering Journal</i> , 2010, 165, 728-734.	12.7	18
21	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
22	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
23	High-temperature corrosion characteristics of yttria-stabilized zirconia material in molten salts of $\text{LiCl-Li}_2\text{O}$ and $\text{LiCl-Li}_2\text{O-Li}$. <i>Journal of Nuclear Science and Technology</i> , 2018, 55, 97-103.	1.3	18
24	Hot corrosion behaviour of nickel-cobalt-based alloys in a lithium molten salt. <i>Corrosion Science</i> , 2019, 151, 20-26.	6.6	18
25	Separation behavior of nickel and cobalt in a LiCl-KCl-NiCl_2 molten salt by electrorefining process. <i>Journal of Electroanalytical Chemistry</i> , 2020, 866, 114175.	3.8	17
26	Computer-assisted design and experimental validation of multielectrode electrorefiner for spent nuclear fuel treatment using a tertiary model. <i>Nuclear Engineering and Design</i> , 2013, 257, 12-20.	1.7	16
27	Combustion synthesis and characterization of TaC, TaC/TaSi ₂ , and TaC/TaB nanoparticles. <i>Chemical Engineering Science</i> , 2014, 107, 227-234.	3.8	16
28	Gas-phase supported rapid manufacturing of Ti-6Al-4V alloy spherical particles for 3D printing. <i>Chemical Engineering Journal</i> , 2016, 304, 232-240.	12.7	16
29	Simultaneous synthesis and densification of NiAl and Ni ₃ Al by pressure-assisted combustion. <i>Journal of Materials Science</i> , 2002, 37, 2435-2439.	3.7	15
30	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
31	Structural and thermal properties of boron nanoparticles synthesized from B ₂ O ₃ + 3Mg +kNaCl mixture. <i>Combustion and Flame</i> , 2014, 161, 3222-3228.	5.2	15
32	Investigation of microstructure and thermoelectric properties of p-type BiSbTe/ZnO composites. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 125-131.	2.1	15
33	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
34	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
35	Separation behavior of impurities and selenium reduction by the reactive zone refining process using high-frequency induction heating to purify Te. <i>Journal of Crystal Growth</i> , 2016, 455, 6-12.	1.5	14
36	Corrosion behaviour of Y ₂ O ₃ â€“ZrO ₂ coatings on IN713LC in a LiClâ€“Li ₂ O molten salt. <i>Corrosion Science</i> , 2010, 52, 2353-2364.	6.6	13

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37	Iron-assisted electroless deposition reaction for synthesizing copper and silver dendritic structures. <i>CrystEngComm</i> , 2015, 17, 7535-7542.	2.6	13
38	High Thermoelectric Figure of Merit in p-Type (Bi ₂ Te ₃) _{1-x} (Sb ₂ Te ₃) _x Alloys Made from Element-Mechanical Alloying and Spark Plasma Sintering. <i>Journal of Electronic Materials</i> , 2019, 48, 416-424.	2.2	13
39	Effect of the grain size of YSZ ceramic materials on corrosion resistance in a hot molten salt CaCl ₂ -CaF ₂ -CaO system. <i>Corrosion Science</i> , 2020, 170, 108664.	6.6	13
40	Concentrations of CsCl and SrCl ₂ from a Simulated LiCl Salt Waste Generated by Pyroprocessing by Using Czochralski Method. <i>Journal of Nuclear Science and Technology</i> , 2009, 46, 392-397.	1.3	12
41	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
42	High-temperature stability of CSZ, YSZ, and MSZ ceramic materials in CaCl ₂ -CaF ₂ -CaO molten salt system. <i>Journal of Alloys and Compounds</i> , 2019, 771, 924-935.	5.5	12
43	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
44	Size control of tungsten powder synthesized by self-propagating high temperature synthesis process. <i>Materials Research Bulletin</i> , 1999, 34, 2239-2245.	5.2	10
45	Structural change of the melt spun Al ₁₀ Ni ₅ Y by the addition of 1%Sr. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 311, 226-231.	5.6	10
46	Effect of intermetallic compound thickness on anisotropy of Al/Cu honeycomb rods fabricated by hydrostatic extrusion process. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 456-463.	4.2	10
47	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
48	Salt evaporation behaviors of uranium deposits from an electrorefiner. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 283, 171-176.	1.5	9
49	Cyclic Corrosion Behavior of Ni-Based Superalloys in Hot Lithium Molten Salt. <i>Oxidation of Metals</i> , 2012, 78, 153-165.	2.1	9
50	High temperature corrosion behavior of Ni-based alloys. <i>Metals and Materials International</i> , 2012, 18, 939-949.	3.4	9
51	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). <i>Research on Chemical Intermediates</i> , 2014, 40, 2543-2551.	2.7	9
52	High-temperature stability of YSZ and MSZ ceramic materials in CaF ₂ -MgF ₂ -MgO molten salt system. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2074-2083.	3.8	9
53	Morphological diversity of AlN nano- and microstructures: synthesis, growth orientations and theoretical modelling. <i>International Materials Reviews</i> , 2020, 65, 323-355.	19.3	9
54	Electrodeposition Characteristics of Uranium in Molten LiCl-KCl Eutectic and its Salt Distillation Behavior. <i>Journal of Nuclear Science and Technology</i> , 2006, 43, 263-269.	1.3	9

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55	Aluminothermic Reduction of K_2TiF_6 to Prepare TiC, TiB_2 , and TiN Nanoparticles. <i>Combustion Science and Technology</i> , 2014, 186, 90-101.	2.3	8
56	CURRENT STATUS OF INTEGRITY ASSESSMENT BY SIPPING SYSTEM OF SPENT FUEL BUNDLES IRRADIATED IN CANDU REACTOR. <i>Nuclear Engineering and Technology</i> , 2014, 46, 875-882.	2.3	8
57	A thermochemical and experimental study for the conversion of ilmenite sand into fine powders of titanium compounds. <i>Materials Chemistry and Physics</i> , 2019, 221, 1-10.	4.0	8
58	Tantalum network nanoparticles from a Ta_2O_5+kMg system by liquid magnesium controlled combustion. <i>Combustion and Flame</i> , 2020, 219, 136-146.	5.2	8
59	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
60	Downlink Multi-Point Transmission Effect Using Aggregate Base Station Architecture. <i>IEICE Transactions on Communications</i> , 2011, E94-B, 3374-3377.	0.7	8
61	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
62	Fabrication of tunable carbon micro- and nanotubes using reed as bio-template. <i>Materials Letters</i> , 2013, 107, 79-82.	2.6	7
63	A thermochemical pathway for controlled synthesis of AlN nanoparticles in non-isothermal conditions. <i>Thermochimica Acta</i> , 2015, 604, 77-82.	2.7	7
64	Melt-assisted solid flame synthesis approach to amorphous boron nanoparticles. <i>Combustion and Flame</i> , 2015, 162, 3316-3323.	5.2	7
65	Electrochemical behavior of Nd in its pyrometallurgical recovery from waste magnet. <i>Rare Metals</i> , 2015, 34, 111-117.	7.1	7
66	Reduction Kinetics of Zinc Powder from Brass Converter Slag by Pyrometallurgical Method Using Hydrogen Gas. <i>KONA Powder and Particle Journal</i> , 2016, 33, 278-286.	1.7	7
67	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
68	Polysiloxane-derived silicon nanoparticles for Li-ion battery. <i>Journal of Energy Storage</i> , 2020, 27, 101141.	8.1	7
69	Effect of zinc addition on fuel crud deposition in simulated PWR primary coolant conditions. <i>Annals of Nuclear Energy</i> , 2020, 146, 107643.	1.8	7
70	Mechanical and thermoelectric properties of environment friendly higher manganese silicide fabricated using water atomization and spark plasma sintering. <i>Intermetallics</i> , 2020, 119, 106705.	3.9	7
71	Ammonium fluoride-activated synthesis of cubic $\hat{\Gamma}$ -TaN nanoparticles at low temperatures. <i>Nanoscale Research Letters</i> , 2013, 8, 126.	5.7	6
72	Rapid solid-phase synthesis for tantalum nitride nanoparticles and coatings. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 162-168.	3.8	6

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73	Preparation of Te nanopowder by vacuum distillation. Powder Technology, 2014, 256, 204-209.	4.2	6
74	ZnO nanopowder derived from brass ash: Sintering behavior and mechanical properties. International Journal of Mineral Processing, 2016, 153, 87-94.	2.6	6
75	Zr fine powder synthesized from a ZrO ₂ -Mg-additives system and its burning stability when printed in thin layers. Combustion and Flame, 2017, 183, 22-29.	5.2	6
76	Isothermal and cyclic corrosion behaviour of Ni-based alloys in an electrochemical reduction process. Corrosion Engineering Science and Technology, 2021, 56, 513-521.	1.4	6
77	Hot corrosion behaviour of Inconel 625 weldments in molten lithium salt. Corrosion Engineering Science and Technology, 2015, 50, 606-617.	1.4	5
78	Characterization of Ta-W alloy films deposited by molten salt Multi-Anode Reactive alloy Coating (MARC) method. International Journal of Refractory Metals and Hard Materials, 2015, 53, 23-31.	3.8	5
79	Tailoring the morphology of AlN: from 6-fold patterned crystals to multilayer hierarchical structures. CrystEngComm, 2017, 19, 4489-4496.	2.6	5
80	Single-step combustion process for the synthesis of 1-D, 2-D, and 3-D hierarchically grown AlN structures. Combustion and Flame, 2017, 185, 210-219.	5.2	5
81	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
82	Shape-controlled synthesis of titanium microparticles using calciothermic reduction concept. Journal of Solid State Chemistry, 2018, 267, 13-21.	2.9	5
83	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
84	Rare-earth hexaboride 2D nanostructures synthesis and coupling with NaAlH ₄ for improved hydrogen release. Ceramics International, 2021, 47, 877-888.	4.8	5
85	Direct Electrochemical Reduction of Natural Ilmenite into Ferrotitanium Alloys in a Molten Salt of LiCl-Li ₂ O. Journal of the Electrochemical Society, 2021, 168, 026513.	2.9	5
86	Formation of inhomogeneous micro-scale pores attributed ultralow $\hat{\rho}_{lat}$ and concurrent enhancement of thermoelectric performance in p-type Bi _{0.5} Sb _{1.5} Te ₃ alloys. Journal of Alloys and Compounds, 2021, 881, 160499.	5.5	5
87	Size Tailored Nanoparticles of ZrN Prepared by Single-Step Exothermic Chemical Route. Korean Journal of Materials Research, 2012, 22, 243-248-243-248.	0.2	5
88	An ONU design for EPON-based access network. , 0, , .		4
89	The impact of cloud base station's coordinated multi-point schemes on mobility performance. , 2012, , .		4
90	Corrosion behavior of ceramic structural materials in an electrolytic reduction process. Journal of Nuclear Science and Technology, 2012, 49, 836-844.	1.3	4

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91	Low-temperature synthesis of zirconium metal using ZrCl ₄ -2Mg reactive mixtures. International Journal of Refractory Metals and Hard Materials, 2012, 33, 33-37.	3.8	4
92	Low-temperature combustion waves in low-energy K ₂ TaF ₇ -Si-additive systems. Combustion and Flame, 2013, 160, 2631-2637.	5.2	4
93	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
94	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
95	Corrosion Behavior of SA508 Coupled with and without Magnetite in EDTA-Based Solutions. Coatings, 2018, 8, 377.	2.6	4
96	Minimising oxygen contamination through a liquid copper-aided group IV metal production process. Scientific Reports, 2018, 8, 17391.	3.3	4
97	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
98	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
99	Precipitation behavior of M ₂₃ C ₆ carbides and its effect on mechanical properties of Ni-based Alloy 690. Journal of Nuclear Science and Technology, 2021, 58, 45-50.	1.3	4
100	Porous tantalum network structures exhibiting high electrochemical performance as capacitors. Journal of Energy Storage, 2021, 34, 102222.	8.1	4
101	Powder characteristics of Al _{0.5} CoCrFeMnNi high-entropy alloys fabricated by gas atomisation method. Powder Metallurgy, 2021, 64, 219-227.	1.7	4
102	Hf metal powder synthesis via a chemically activated combustion-reduction process. Materials Chemistry and Physics, 2021, 263, 124417.	4.0	4
103	Effects of Zinc Addition on the Corrosion Behavior of Pre-Filmed Alloy 690 in Borated and Lithiated Water at 330 Å°C. Materials, 2021, 14, 4105.	2.9	4
104	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
105	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
106	A Wideband Compressive Receiver for Real-time Signal Detection. , 0, , .		3
107	Preparation of porous zirconium microspheres by magnesiothermic reduction and their microstructural characteristics. Journal of Materials Research, 2011, 26, 2117-2122.	2.6	3
108	Densification and microstructure of cross-roll rolled Cu-15% In powder using copper can. Journal of Alloys and Compounds, 2012, 528, 146-150.	5.5	3

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109	Controlling the leakage of liquid bismuth cathode elements in ceramic crucibles used for the electrowinning process in pyroprocessing. <i>Journal of Nuclear Materials</i> , 2016, 478, 91-96.	2.7	3
110	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
111	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
112	Control and Theoretical Modeling of the Growth Process of AlN Six-fold and Multifold Armed Dendritic Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 3244-3252.	3.0	3
113	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
114	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
115	Combustion-Aluminothermic Reduction of TiO ₂ to Produce Titanium Low Oxygen Suboxides. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 4012-4022.	2.1	3
116	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
117	Alloy Design of New Ni-Based Structural Materials for Electrolytic Reduction and its Corrosion Behavior in Lithium Molten Salt. <i>Advanced Materials Research</i> , 0, 886, 41-44.	0.3	2
118	Numerical Analysis and Experimental Validation of Distillation Process for Purification of Tellurium. <i>Separation Science and Technology</i> , 2014, 49, 197-208.	2.5	2
119	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
120	Separation of CsCl and SrCl ₂ from a ternary CsCl-SrCl ₂ -LiCl via a zone refining process for waste salt minimization of pyroprocessing. <i>Journal of Nuclear Materials</i> , 2016, 480, 403-410.	2.7	2
121	Demonstration of a high throughput on-board hydrogen generation reactor system using aluminum coil as fuel for a vehicle. <i>International Journal of Green Energy</i> , 2016, 13, 573-579.	3.8	2
122	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
123	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
124	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
125	Hierarchically porous carbon nanosheets derived from alkali metal carbonates and their capacitance in alkaline electrolytes. <i>Materials Chemistry and Physics</i> , 2018, 207, 513-521.	4.0	2
126	Combustion Synthesis of C and SiC Nanoparticles from Na ₂ CO ₃ –Si Mixtures: Characterization and Electrochemical Performance. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2020, 29, 65-76.	0.5	2

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127	3D self-assemblies of \hat{I}^2 -Si ₃ N ₄ : Synthesis, characterization and growth mechanism. Journal of Crystal Growth, 2020, 549, 125866.	1.5	2
128	Effects of Advanced Amines on Magnetite Deposition of Steam Generator Tubes in Secondary System. Coatings, 2021, 11, 514.	2.6	2
129	Effect of Additives on the Characteristics of Amorphous Nano Boron Powder Fabricated by Self-Propagating High Temperature Synthesis. Korean Journal of Materials Research, 2015, 25, 659-665.	0.2	2
130	A distributed cycle reset protocol for the high-speed LAN/MAN. , 0, , .		1
131	Chemical and morphological characterization of spherical Cu/Zn alloy microparticles produced by combustion synthesis. Journal of Materials Research, 2012, 27, 2601-2608.	2.6	1
132	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
133	Recovery of Ti and Zr metals from spent leaching solutions by a precipitation-reduction pathway. Materials Research Bulletin, 2020, 122, 110687.	5.2	1
134	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
135	High Temperature Stability of Nitride Ceramic Materials in LiF-NdF ₃ -Nd ₂ O ₃ Molten Salts System. Korean Journal of Materials Research, 2015, 25, 694-702.	0.2	1
136	Electrodeposition Characteristics of Corrosion Resistant Tantalum Coating Layer for Hydrogen Production Sulfide-Iodine Process. Transactions of the Korean Hydrogen and New Energy Society, 2012, 23, 573-580.	0.6	1
137	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
138	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
139	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
140	Synthesis and performance of Ti subchlorides (TiCl _x , x=2, 3) as a Ti-ion transport agent in NaCl-CaCl ₂ molten electrolyte. Materialia, 2022, 24, 101498.	2.7	1
141	A distributed grant based high-speed ATM MAC protocol. , 0, , .		0
142	The Array Geometry Design in Airborne Microwave 2-D Direction Finding. , 0, , .		0
143	A Design and Implementation of ATCA based EPON Blade. , 2006, , .		0
144	Effects of fabrication process on microstructure and texture of Inconel 690 tubes for steam generator. Journal of Nuclear Science and Technology, 2015, 52, 1490-1495.	1.3	0

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145	Temperature and Concentration Dependencies of LiF-NaF-K ₂ TaF ₇ Phase Equilibria and Effects on Ta Electrodeposition Layer. Journal of the Electrochemical Society, 2018, 165, D432-D438.	2.9	0
146	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
147	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
148	High-temperature corrosion behavior of Kanthal alloy in molten silver under an oxidizing atmosphere. Corrosion Science, 2020, 163, 108247.	6.6	0
149	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
150	Formation of spherical alloy microparticles in a porous salt medium. Journal of Materials Science and Technology, 2020, 43, 189-196.	10.7	0
151	AlN nucleation and spontaneous pattern formation via combustion of an Al-C-AlF ₃ mixture in nitrogen. Journal of Crystal Growth, 2021, 560-561, 126044.	1.5	0
152	Spark Plasma Sintering and Ultra-Precision Machining Characteristics of SiC. Korean Journal of Materials Research, 2010, 20, 559-569.	0.2	0
153	Analysis of the Aluminum Extrusion Process Equipped with the Continuous Heat Treatment System. Korean Journal of Materials Research, 2011, 21, 39-45.	0.2	0
154	Corrosion Behavior of Zirconium Alloys with Nb and Cr Addition. Korean Journal of Materials Research, 2015, 25, 376-385.	0.2	0
155	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
156	Thermodynamically inert Sc ₂ O ₃ ceramic crucible for electrowinning process in pyroprocessing. Journal of Nuclear Materials, 2018, 507, 87-92.	2.7	0
157	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
158	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
159	Carbon-assisted growth of equiangular 2D hexagons of AlN. Materials Letters, 2022, 314, 131840.	2.6	0