

Ho Jin Ryu

List of Publications by Year in descending order

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155
papers

5,105
citations

94381

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all docs

159
docs citations

159
times ranked

4603
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable Exfoliation Process for Highly Soluble Boron Nitride Nanoplatelets by Hydroxide-Assisted Ball Milling. <i>Nano Letters</i> , 2015, 15, 1238-1244.	4.5	486
2	Improvement of modulus, strength and fracture toughness of CNT/Epoxy nanocomposites through the functionalization of carbon nanotubes. <i>Composites Part B: Engineering</i> , 2017, 129, 169-179.	5.9	194
3	Ultra-high strength WNbMoTaV high-entropy alloys with fine grain structure fabricated by powder metallurgical process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 712, 616-624.	2.6	180
4	Stability of ordered L12 and B2 precipitates in face centered cubic based high entropy alloys - Al _{0.3} CoFeCrNi and Al _{0.3} CuFeCrNi ₂ . <i>Scripta Materialia</i> , 2016, 123, 130-134.	2.6	165
5	Generalized shear-lag model for load transfer in SiC/Al metal-matrix composites. <i>Journal of Materials Research</i> , 2003, 18, 2851-2858.	1.2	160
6	Functionalization of carbon nanotubes for fabrication of CNT/epoxy nanocomposites. <i>Materials and Design</i> , 2016, 95, 1-8.	3.3	159
7	Cu assisted stabilization and nucleation of L12 precipitates in Al _{0.3} CuFeCrNi ₂ fcc-based high entropy alloy. <i>Acta Materialia</i> , 2017, 129, 170-182.	3.8	130
8	Fabrication and properties of mechanically alloyed oxide-dispersed tungsten heavy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 363, 179-184.	2.6	122
9	Powder Metallurgy Processing of a WxTaTiVCr High-Entropy Alloy and Its Derivative Alloys for Fusion Material Applications. <i>Scientific Reports</i> , 2017, 7, 1926.	1.6	121
10	Microstructure and mechanical properties of mechanically alloyed and solid-state sintered tungsten heavy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 291, 91-96.	2.6	101
11	Enhanced Electrical Networks of Stretchable Conductors with Small Fraction of Carbon Nanotube/Graphene Hybrid Fillers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3319-3325.	4.0	97
12	Combination of mechanical alloying and two-stage sintering of a 93Wâ€“5.6Niâ€“1.4Fe tungsten heavy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 344, 253-260.	2.6	90
13	The effect of Ti on the sintering and mechanical properties of refractory high-entropy alloy Ti _x WTaVCr fabricated via spark plasma sintering for fusion plasma-facing materials. <i>Materials Chemistry and Physics</i> , 2018, 210, 87-94.	2.0	83
14	Synthesis of Chemically Ordered Pt ₃ Fe/C Intermetallic Electrocatalysts for Oxygen Reduction Reaction with Enhanced Activity and Durability via a Removable Carbon Coating. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31806-31815.	4.0	81
15	Enhanced Capacitive Deionization by Dispersion of CNTs in Activated Carbon Electrode. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1572-1579.	3.2	71
16	Corrosion resistance of weight reduced Al _x CrFeMoV high entropy alloys. <i>Applied Surface Science</i> , 2019, 485, 368-374.	3.1	69
17	Reaction layer growth and reaction heat of Uâ€“Mo/Al dispersion fuels using centrifugally atomized powders. <i>Journal of Nuclear Materials</i> , 2003, 321, 210-220.	1.3	68
18	Sintering behaviour and microstructures of carbides and nitrides for the inert matrix fuel by spark plasma sintering. <i>Journal of Nuclear Materials</i> , 2006, 352, 341-348.	1.3	65

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19	Microstructures and mechanical properties of mechanically alloyed and spark plasma sintered Al _{0.3} CoCrFeMnNi high entropy alloy. <i>Materials Chemistry and Physics</i> , 2018, 210, 62-70.	2.0	63
20	Microstructure, mechanical property and Hall-Petch relationship of a light-weight refractory Al _{0.1} CrNbVMo high entropy alloy fabricated by powder metallurgical process. <i>Journal of Alloys and Compounds</i> , 2018, 767, 1012-1021.	2.8	63
21	Combinatorial synthesis and analysis of Al _x Ta _y V _z -Cr ₂₀ Mo ₂₀ Nb ₂₀ Ti ₂₀ Zr ₁₀ and Al ₁₀ Cr _{mox} NbTiZr ₁₀ refractory high-entropy alloys: Oxidation behavior. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154427.	2.8	63
22	Performance of FCCI barrier foils for U- ²³⁸ Zr-X metallic fuel. <i>Journal of Nuclear Materials</i> , 2009, 392, 206-212.	1.3	61
23	Effect of Si and Zr on the interdiffusion of U-Mo alloy and Al. <i>Journal of Nuclear Materials</i> , 2008, 374, 422-430.	1.3	60
24	Enhanced electromagnetic interference shielding behavior of Graphene Nanoplatelet/Ni/Wax nanocomposites. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6471-6479.	2.7	58
25	Mechanical alloying process of 93W-5.6Ni-1.4Fe tungsten heavy alloy. <i>Journal of Materials Processing Technology</i> , 1997, 63, 292-297.	3.1	57
26	High-entropy alloy strengthened by in situ formation of entropy-stabilized nano-dispersoids. <i>Scientific Reports</i> , 2018, 8, 14085.	1.6	55
27	The effect of HfC content on mechanical properties HfC-W composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 44, 49-53.	1.7	52
28	Strengthening of Al _{0.3} CoCrFeMnNi-based ODS high entropy alloys with incremental changes in the concentration of Y ₂ O ₃ . <i>Scripta Materialia</i> , 2019, 162, 477-481.	2.6	52
29	Effect of two-stage sintering process on microstructure and mechanical properties of ODS tungsten heavy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 458, 323-329.	2.6	49
30	Amorphization of the interaction products in U-Mo/Al dispersion fuel during irradiation. <i>Journal of Nuclear Materials</i> , 2009, 385, 623-628.	1.3	49
31	Systematic study of (MoTa) NbTiZr medium- and high-entropy alloys for biomedical implants- In vivo biocompatibility examination. <i>Journal of Materials Science and Technology</i> , 2021, 78, 183-191.	5.6	48
32	Effects of particle size and surface modification of SiC on the wear behavior of high volume fraction Al/SiCp composites. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154647.	2.8	46
33	Dynamic deformation behavior of an oxide-dispersed tungsten heavy alloy fabricated by mechanical alloying. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 2011-2020.	1.1	45
34	Enhancement of toughness and wear resistance in boron nitride nanoplatelet (BNNP) reinforced Si ₃ N ₄ nanocomposites. <i>Scientific Reports</i> , 2016, 6, 27609.	1.6	45
35	Biomimetic Artificial Nacre: Boron Nitride Nanosheets/Gelatin Nanocomposites for Biomedical Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1805948.	7.8	44
36	Superior mechanical properties and strengthening mechanisms of lightweight Al _x CrNbVMo refractory high-entropy alloys (x = 0, 0.5, 1.0) fabricated by the powder metallurgy process. <i>Journal of Materials Science and Technology</i> , 2021, 69, 32-41.	5.6	43

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37	Effect of mechanical alloying process on microstructure and mechanical properties of ODS tungsten heavy alloys. <i>Journal of Alloys and Compounds</i> , 2007, 434-435, 433-436.	2.8	38
38	USE OF A CENTRIFUGAL ATOMIZATION PROCESS IN THE DEVELOPMENT OF RESEARCH REACTOR FUEL. <i>Nuclear Engineering and Technology</i> , 2007, 39, 617-626.	1.1	38
39	Transition in microstructural and mechanical behavior by reduction of sigma-forming element content in a novel high entropy alloy. <i>Materials and Design</i> , 2018, 145, 11-19.	3.3	35
40	In-situ synthesis of TiC/Fe alloy composites with high strength and hardness by reactive sintering. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1397-1404.	5.6	35
41	Performance of a diffusion barrier under a fuel-clad chemical interaction (FCCI). <i>Journal of Nuclear Materials</i> , 2009, 394, 144-150.	1.3	32
42	Enhanced mechanical properties of spark plasma sintered NiTi composites reinforced with carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2014, 617, 505-510.	2.8	31
43	High conductivity and stretchability of 3D welded silver nanowire filled graphene aerogel hybrid nanocomposites. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8211-8218.	2.7	31
44	Heats of formation of (U,Mo)Al ₃ and U(Al,Si) ₃ . <i>Journal of Nuclear Materials</i> , 2006, 358, 52-56.	1.3	30
45	Diffusion reaction behaviors of U-Mo/Al dispersion fuel. <i>Journal of Phase Equilibria and Diffusion</i> , 2006, 27, 651-658.	0.5	30
46	Effect of oxide dispersoids addition on mechanical properties of tungsten heavy alloy fabricated by mechanical alloying process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 452-453, 55-60.	2.6	30
47	Effect of size and location of spherical pores on transverse rupture strength of WC-Co cemented carbides. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 404-408.	2.6	30
48	Polycrystalline cubic boron nitride sintered compacts prepared from nanocrystalline TiN coated cBN powder. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 552, 151-156.	2.6	30
49	Cold sintering and durability of iodate-substituted calcium hydroxyapatite (IO-HAp) for the immobilization of radioiodine. <i>Journal of Nuclear Materials</i> , 2019, 514, 84-89.	1.3	30
50	PERFORMANCE EVALUATION OF U-Mo/Al DISPERSION FUEL BY CONSIDERING A FUEL-MATRIX INTERACTION. <i>Nuclear Engineering and Technology</i> , 2008, 40, 409-418.	1.1	30
51	MODELING OF INTERACTION LAYER GROWTH BETWEEN U-Mo PARTICLES AND AN Al MATRIX. <i>Nuclear Engineering and Technology</i> , 2013, 45, 827-838.	1.1	29
52	A combinatorial approach for the synthesis and analysis of Al _x CryMozNbTiZr high-entropy alloys: Oxidation behavior. <i>Journal of Materials Research</i> , 2018, 33, 3226-3234.	1.2	29
53	Adsorption and immobilization of radioactive ionic-corrosion-products using magnetic hydroxyapatite and cold-sintering for nuclear waste management applications. <i>Journal of Nuclear Materials</i> , 2019, 514, 40-49.	1.3	29
54	FCCI barrier performance of electroplated Cr for metallic fuel. <i>Journal of Nuclear Materials</i> , 2010, 401, 98-103.	1.3	28

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55	Elevated temperature ablation resistance of HfC particle-reinforced tungsten composites. International Journal of Refractory Metals and Hard Materials, 2014, 43, 89-93.	1.7	28
56	Surface modification effects of SiC tile on the wettability and interfacial bond strength of SiC tile/Al7075-SiCp hybrid composites. Surface and Coatings Technology, 2016, 307, 399-406.	2.2	28
57	Matrix pools in a partially mechanically alloyed tungsten heavy alloy for localized shear deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 333, 187-192.	2.6	27
58	Microstructure of as atomized and annealed U-Mo7 particles: A SEM/EBSD study of grain growth. Journal of Nuclear Materials, 2017, 495, 249-266.	1.3	27
59	Strength enhancement and density reduction by the addition of Al in CrFeMoV based high-entropy alloy fabricated through powder metallurgy. Materials and Design, 2018, 157, 97-104.	3.3	27
60	The effects of Y pre-alloying on the in-situ dispersoids of ODS CoCrFeMnNi high-entropy alloy. Journal of Materials Science and Technology, 2021, 85, 62-75.	5.6	27
61	Immobilization of radioactive corrosion products by cold sintering of pure hydroxyapatite. Journal of Hazardous Materials, 2019, 374, 228-237.	6.5	26
62	Microstructure and mechanical properties of SiC-nanowire-augmented tungsten composites. Journal of Alloys and Compounds, 2011, 509, 9060-9064.	2.8	25
63	Irradiation-enhanced interdiffusion in the diffusion zone of U-Mo dispersion fuel in Al. Journal of Phase Equilibria and Diffusion, 2006, 27, 614-621.	0.5	24
64	Neutron diffraction analyses of U-6(10wt.%)Mo alloy powders fabricated by centrifugal atomization. Journal of Nuclear Materials, 2010, 397, 27-30.	1.3	24
65	Title is missing!. Materials Technology, 1998, 5, 279-290.	0.3	23
66	Enhanced mechanical properties of boron nitride nanosheet/copper nanocomposites via a molecular-level mixing process. Composites Part B: Engineering, 2020, 195, 108088.	5.9	23
67	Analysis of anisotropy in elastic constants of SiCp/2124 Al metal matrix composites. Scripta Materialia, 1999, 41, 1261-1267.	2.6	22
68	Effects of the Al/Ni ratio on the reactions in the compression-bonded Ni-sputtered Al foil multilayer. Journal of Alloys and Compounds, 2014, 589, 455-461.	2.8	22
69	THE EFFECT OF SI-RICH LAYER COATING ON U-MO VS. AL INTERDIFFUSION. Nuclear Engineering and Technology, 2011, 43, 159-166.	1.1	22
70	Thermal expansion of UO2 and simulated DUPIC fuel. Journal of Nuclear Materials, 2002, 301, 242-244.	1.3	21
71	Fabrication of ZrO2-based nanocomposites for transuranic element-burning inert matrix fuel. Nuclear Engineering and Technology, 2015, 47, 617-623.	1.1	21
72	Title is missing!. Journal of Materials Science, 1999, 34, 329-336.	1.7	20

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73	Correlation of microstructure with dynamic deformation behavior and penetration performance of tungsten heavy alloys fabricated by mechanical alloying. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2000, 31, 2475-2489.	1.1	20
74	Fabrication, microstructure and mechanical property of a novel Nb-rich refractory high-entropy alloy strengthened by in-situ formation of dispersoids. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 81, 15-20.	1.7	20
75	Non-volatile immobilization of iodine by the cold-sintering of iodosalite. <i>Journal of Hazardous Materials</i> , 2020, 386, 121646.	6.5	20
76	Analytical modeling to calculate the hardness of ultra-fine WC-Co cemented carbides. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 489, 234-244.	2.6	19
77	Microstructures and enhanced mechanical properties of an oxide dispersion-strengthened Ni-rich high entropy superalloy fabricated by a powder metallurgical process. <i>Journal of Alloys and Compounds</i> , 2020, 839, 155724.	2.8	19
78	Post-decontamination treatment of MXene after adsorbing Cs from contaminated water with the enhanced thermal stability to form a stable radioactive waste matrix. <i>Journal of Nuclear Materials</i> , 2021, 543, 152566.	1.3	19
79	Effect of tellurium on the microstructure and mechanical properties of Fe-14Cr oxide-dispersion-strengthened steels produced by additive manufacturing. <i>Journal of Materials Science and Technology</i> , 2021, 95, 114-126.	5.6	19
80	Thermal conductivity of Mo-reinforced ZrO ₂ composites fabricated by spark plasma sintering for inert matrix fuels. <i>Materials and Design</i> , 2017, 134, 476-485.	3.3	18
81	Cold sintering of as-dried nanostructured calcium hydroxyapatite without using additives. <i>Journal of Materials Research and Technology</i> , 2021, 11, 811-822.	2.6	18
82	Effect of deposition pressure on bonding nature in hydrogenated amorphous carbon films processed by electron cyclotron resonance plasma enhanced chemical vapor deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 277, 57-63.	2.6	16
83	Reduced interaction layer growth of U-Mo dispersion in Al-Si. <i>Journal of Nuclear Materials</i> , 2012, 430, 50-57.	1.3	15
84	DEVELOPMENT OF HIGH-DENSITY U/AL DISPERSION PLATES FOR MO-99 PRODUCTION USING ATOMIZED URANIUM POWDER. <i>Nuclear Engineering and Technology</i> , 2013, 45, 979-986.	1.1	15
85	In-pile test results of U-silicide or U-nitride coated U-7Mo particle dispersion fuel in Al. <i>Journal of Nuclear Materials</i> , 2014, 454, 238-246.	1.3	15
86	Environmentally benign and novel management route for radioactive corrosion products by hydroxyapatite. <i>Journal of Nuclear Materials</i> , 2018, 507, 218-225.	1.3	15
87	Irradiation performance of U-Mo-Ti and U-Mo-Zr dispersion fuels in Al-Si matrixes. <i>Journal of Nuclear Materials</i> , 2012, 427, 233-238.	1.3	14
88	POST-IRRADIATION ANALYSES OF U-MO DISPERSION FUEL RODS OF KOMO TESTS AT HANARO. <i>Nuclear Engineering and Technology</i> , 2013, 45, 847-858.	1.1	14
89	Fabrication of Al ₂ O ₃ /AlN micro-composites designed for tailored physical properties. <i>Materials and Design</i> , 2015, 86, 1-5.	3.3	14
90	Fabrication of protective-coated SiC reinforced tungsten matrix composites with reduced reaction phases by spark plasma sintering. <i>Metals and Materials International</i> , 2016, 22, 493-500.	1.8	14

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91	Fabrication method and thermal conductivity assessment of molybdenum-precipitated uranium dioxide pellets. <i>Journal of Nuclear Materials</i> , 2006, 352, 151-156.	1.3	13
92	Fabrication and characterization of powder metallurgy tantalum components prepared by high compaction pressure technique. <i>Materials Characterization</i> , 2016, 114, 225-233.	1.9	13
93	Electronic, electrical and dielectric analysis of Cr-doped hydroxyapatite. <i>Chemical Physics Letters</i> , 2021, 771, 138507.	1.2	13
94	Combinatorial development of the low-density high-entropy alloy Al ₁₀ Cr ₂₀ Mo ₂₀ Nb ₂₀ Ti ₂₀ Zr ₁₀ having gigapascal strength at 1000Å°C. <i>Journal of Alloys and Compounds</i> , 2020, 845, 155700.	2.8	13
95	Mo and Ta addition in NbTiZr medium entropy alloy to overcome tensile yield strength-ductility trade-off. <i>Journal of Materials Science and Technology</i> , 2022, 109, 176-185.	5.6	13
96	High temperature ablation resistance of ZrNp reinforced W matrix composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 42, 17-22.	1.7	12
97	Rapidly solidified Uâ€6wt%Nb powders for dispersion-type nuclear fuels. <i>Journal of Nuclear Materials</i> , 2014, 448, 72-79.	1.3	12
98	Effects of interfacial Al oxide layers: Control of reaction behavior in micrometer-scale Al/Ni multilayers. <i>Materials and Design</i> , 2015, 84, 372-377.	3.3	12
99	The outstanding tensile strength of Ni-rich high entropy superalloy fabricated by powder metallurgical process. <i>Materials Chemistry and Physics</i> , 2019, 235, 121749.	2.0	12
100	High-temperature oxidation behaviors of ZrSi ₂ and its coating on the surface of Zircaloy-4 tube by laser 3D printing. <i>Nuclear Engineering and Technology</i> , 2020, 52, 2054-2063.	1.1	12
101	Effect of boron addition on the microstructure and mechanical properties of refractory Al _{0.1} CrNbVMo high-entropy alloy. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 100, 105636.	1.7	12
102	Analysis of creep behavior of SiC/Al metal matrix composites based on a generalized shear-lag model. <i>Journal of Materials Research</i> , 2004, 19, 3633-3640.	1.2	11
103	INFLUENCE OF FUEL-MATRIX INTERACTION ON THE BREAKAWAY SWELLING OF U-MO DISPERSION FUEL IN AL. <i>Nuclear Engineering and Technology</i> , 2014, 46, 159-168.	1.1	11
104	Toughening of a low-activation tungsten alloy using tungsten short fibers and particles reinforcement for fusion plasma-facing applications. <i>Nuclear Fusion</i> , 2019, 59, 026007.	1.6	11
105	Dilatometric Analysis and Microstructural Investigation of the Sintering Mechanisms of Blended Elemental Ti-6Al-4V Powders. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 4616-4624.	1.1	10
106	One-step functionally graded materials fabrication using ultra-large temperature gradients obtained through finite element analysis of field-assisted sintering technique. <i>Materials and Design</i> , 2020, 192, 108714.	3.3	10
107	Plasma spheroidized MoNbTaTiZr high entropy alloy showing improved plasticity. <i>Materials Chemistry and Physics</i> , 2021, 273, 125060.	2.0	10
108	Self-propagation Combustion Behavior with Varying Al/Ni Ratios in Compression-Bonded Ni-sputtered Al Foil Multilayers. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 5691-5698.	1.1	9

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109	Tungsten-Based Composites for Nuclear Fusion Applications. , 2016, , .		9
110	Hardness of AISI type 410 martensitic steels after high temperature irradiation via nanoindentation. Metals and Materials International, 2017, 23, 1257-1265.	1.8	9
111	Novel approach to sintering hydroxyapatite-alumina nanocomposites at 300°C. Materials Chemistry and Physics, 2021, 260, 124187.	2.0	9
112	Helium ions irradiation analysis of W _{0.5} (TaTiVCr) _{0.5} for application as a future fusion plasma-facing material. Materials Chemistry and Physics, 2021, 260, 124198.	2.0	9
113	Radiation-Induced Recrystallization of U-Mo Fuel Particles and Radiation-Induced Amorphization of Interaction Products in U-Mo/Al Dispersion Fuel. Materials Science Forum, 2007, 558-559, 319-322.	0.3	8
114	Thermal creep modeling of HT9 steel for fast reactor applications. Journal of Nuclear Materials, 2011, 409, 207-213.	1.3	8
115	Stationary self-propagation combustion with variations in the total layer thickness of compression-bonded Ni-sputtered Al foil multilayers. Journal of Alloys and Compounds, 2015, 626, 16-19.	2.8	8
116	Fabrication of oxide pellets containing lumped Gd ₂ O ₃ using Y ₂ O ₃ -stabilized ZrO ₂ for burnable absorber fuel applications. International Journal of Energy Research, 2018, 42, 2141-2151.	2.2	8
117	Efficient immobilization of ionic corrosion products by a silica-hydroxyapatite composite via a cold sintering route. RSC Advances, 2019, 9, 34872-34879.	1.7	8
118	Diffusion coefficient of Xe-133 in a SIMFUEL with a low burnup. Annals of Nuclear Energy, 2007, 34, 153-158.	0.9	7
119	A sol-gel route to nanocrystalline TiN coated cubic boron nitride particles. Journal of Alloys and Compounds, 2011, 509, 9764-9769.	2.8	7
120	Irradiation tests and post-irradiation examinations of DUPIC fuel. Annals of Nuclear Energy, 2008, 35, 1805-1812.	0.9	6
121	Phase analyses of silicide or nitride coated U-Mo and U-Mo-Ti particle dispersion fuel after out-of-pile annealing. Journal of Alloys and Compounds, 2014, 589, 94-100.	2.8	6
122	Effects of F ³⁺ ion implantation on the properties of W and W _{0.5} (TaTiVCr) _{0.5} for depth marker-based plasma erosion analysis. Nuclear Materials and Energy, 2020, 25, 100806.	0.6	6
123	Preparation of Nanocrystalline TiN Coated Cubic Boron Nitride Powders by a Sol-Gel Process. Journal of Nanoscience and Nanotechnology, 2011, 11, 363-367.	0.9	5
124	Size-dependent microstructures in rapidly solidified uranium niobium powder particles. Journal of Nuclear Materials, 2016, 479, 1-10.	1.3	5
125	Minimization of the sample temperature deviation and the effect of current during high-temperature compressive creep testing by the spark plasma sintering apparatus. Materialia, 2020, 9, 100550.	1.3	5
126	Diffusion Reaction Behaviors of U-Mo/Al Dispersion Fuel. Journal of Phase Equilibria and Diffusion, 2006, 27, 651-658.	0.5	5

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127	Study on Proton Radiation Resistance of 410 Martensitic Stainless Steels under 3 MeV Proton Irradiation. Journal of Magnetics, 2016, 21, 183-186.	0.2	5
128	High Temperature Thermo-mechanical Properties of HfC Reinforced Tungsten Matrix Composites. Composites Research, 2015, 28, 366-371.	0.1	5
129	Metallurgical considerations for the fabrication of low-enriched uranium dispersion targets with a high density for 99Mo production. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 31-39.	0.7	4
130	The modeling and simulation of the thermal conductivity of irradiated U-Mo dispersion fuel: Estimation of the thermal conductivity of the interaction layer. Journal of Nuclear Materials, 2018, 510, 199-209.	1.3	4
131	Kinetic Monte Carlo simulations of the sintering microstructural evolution in density graded stainless steel fabricated by SPS. Materials Today Communications, 2021, 26, 101863.	0.9	4
132	Radioactive Waste Issues Related to Production of Fission-based 99Mo by using Low Enriched Uranium (LEU). Journal of Nuclear Fuel Cycle and Waste Technology, 2015, 13, 155-161.	0.1	4
133	U-Si Based Fuel System. , 2020, , 485-498.		4
134	Dual functional amorphous aluminosilicate sorbents for removing and cold-immobilizing cesium/cobalt/nickel-ions. Sustainable Materials and Technologies, 2021, 30, e00356.	1.7	4
135	Impact and Dynamic Deformation Behaviour of Mechanically Alloyed Tungsten-Based Composites. Key Engineering Materials, 1997, 141-143, 453-462.	0.4	3
136	U-Mo Based Fuel System. , 2020, , 499-530.		3
137	Irradiation-Enhanced Interdiffusion in the Diffusion Zone of U-Mo Dispersion Fuel in Al. Journal of Phase Equilibria and Diffusion, 2006, 27, 614-621.	0.5	3
138	Effect of Proton Irradiation on the Magnetic Properties of Antiferromagnet/ferromagnet Structures. Journal of Magnetics, 2016, 21, 159-163.	0.2	3
139	Surface decontamination of protective duplex oxide layers on stainless steel waste using deep eutectic solvents. Journal of Hazardous Materials, 2022, 425, 128000.	6.5	3
140	Effects of Sintering Conditions on Mechanical Properties of Mechanically Alloyed Tungsten Heavy Alloys. Key Engineering Materials, 2000, 183-187, 1291-1296.	0.4	2
141	Progress of the DUPIC Fuel Compatibility Analysis - IV: Fuel Performance. Nuclear Technology, 2007, 157, 1-17.	0.7	2
142	W _{0.5} TaTiVCr-based composite reinforced with W-mesh for fusion plasma-facing applications. Functional Composites and Structures, 2020, 2, 015004.	1.6	2
143	Fabrication and Characterization of ODS 316L Stainless Steels. Journal of Korean Powder Metallurgy Institute, 2009, 16, 122-130.	0.2	2
144	Nano-Scale Crystallite Size Measurement of Attrition Milled Oxide Nuclear Fuel Powders by Neutron Diffraction Line Broadening. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 415-420.	0.1	1

#	ARTICLE	IF	CITATIONS
145	Remote fabrication and irradiation test of recycled nuclear fuel prepared by the oxidation and reduction of spent oxide fuel. Journal of Physics and Chemistry of Solids, 2005, 66, 671-674.	1.9	1
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