

Sang-Chae Jeon

List of Publications by Year in descending order

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papers

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249
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#	ARTICLE	IF	CITATIONS
1	Interface structure dependent step free energy and grain growth behavior of core/shell grains in (Y,Ti)ETQq1 1 0.784314 rgBT /Overlbc 2804-2812.	5.7	3
2	Effect of Charge Compensation Change on the Crystal Structure, Grain Growth Behavior, and Dielectric Properties in the La ₂ O ₃ -doped BaTiO ₃ System with MnCO ₃ Addition. Journal of Alloys and Compounds, 2022, , 165388.	5.5	3
3	Compositional design of an amphoteric chemical trap for the capturing of gaseous cesium and iodine in UO ₂ nuclear fuel. Journal of the European Ceramic Society, 2021, 41, 2892-2897.	5.7	2
4	Precise control of heat-treatment conditions to improve the catalytic performance of V ₂ O ₅ /TiO ₂ for H ₂ S removal. Journal of Hazardous Materials, 2021, 416, 125974.	12.4	18
5	Thermal diffusion kinetics of cesium in ceramic microcell UO ₂ fuels for accident-tolerant fuel. Journal of the European Ceramic Society, 2021, 41, 6784-6788.	5.7	0
6	Grain Growth Behavior of 0.95(Na _{0.5} Bi _{0.5})TiO ₃ â€“0.05BaTiO ₃ Controlled by Grain Shape and Second Phase. Materials, 2020, 13, 1344.	2.9	3
7	Composition-Dependent Structural Integrity of Hf ₆ Ta ₂ O ₁₇ Superstructure during Sintering in a Reducing Atmosphere. Applied Sciences (Switzerland), 2020, 10, 3871.	2.5	6
8	Fission gas release in the micro-cell fuel pellet under normal operating conditions: A simplified approach based on UO ₂ pellet experience. Journal of Nuclear Materials, 2019, 527, 151801.	2.7	7
9	A comparative study on the cesium retention ability up to 1750â€“Â°C in Csâ€“Zrâ€“Siâ€“O, Csâ€“Alâ€“Siâ€“O, and Csâ€“Siâ€“O. Ceramics International, 2019, 45, 15754-15757.	4.8	3
10	Stimulation of densification during the reduction of U ₃ O ₈ to UO ₂ by atmosphere control. Ceramics International, 2019, 45, 6863-6868.	4.8	1
11	Cesium release during high-temperature pre-treatment of fuel fragments with a burn-up of 61 GWd/tU. Journal of Radioanalytical and Nuclear Chemistry, 2018, 317, 15-23.	1.5	3
12	Electrolytic reduction runs of 0.6Âkg scale-simulated oxide fuel in a Li ₂ O-LiCl molten salt using metal anode shrouds. Journal of Nuclear Materials, 2017, 489, 1-8.	2.7	22
13	Reoxidation of uranium metal immersed in a Li ₂ O-LiCl molten salt after electrolytic reduction of uranium oxide. Journal of Nuclear Materials, 2017, 485, 90-97.	2.7	18
14	Passivation of Al ₂ O ₃ -based refractories by air-plasma-sprayed coatings of Y ₂ O ₃ to suppress reaction with gaseous Cs. Ceramics International, 2017, 43, 15610-15615.	4.8	1
15	Engineering Design of a Voloxidizer with a Double Reactor for the Hull Separation of Spent Nuclear Fuel Rods. Science and Technology of Nuclear Installations, 2017, 2017, 1-12.	0.8	3
16	Scaling Up Fabrication of UO ₂ Porous Pellet With a Simulated Spent Fuel Composition. Journal of Nuclear Fuel Cycle and Waste Technology, 2017, 15, 343-353.	0.3	5
17	Electrolytic reduction of a simulated oxide spent fuel and the fates of representative elements in a Li ₂ O-LiCl molten salt. Journal of Nuclear Materials, 2016, 477, 59-66.	2.7	26
18	Stability of yttria-stabilized zirconia during pyroprocessing tests. Journal of Nuclear Materials, 2016, 475, 57-61.	2.7	4

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19	Enhanced electrochemical reduction of rare earth oxides in simulated oxide fuel via co-reduction of NiO in Li ₂ O-LiCl salt. <i>Electrochemistry Communications</i> , 2016, 72, 23-26.	4.7	8
20	Electrolytic reduction rate of porous UO ₂ pellets. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2235-2239.	2.7	6
21	Effect of sintering aids on the grain growth of simulated dupic fuel pellets using the simfuel technique. <i>Ceramics International</i> , 2016, 42, 705-710.	4.8	3
22	Oxidation-induced strain relaxation and related dielectric-temperature behavior in core/shell grained BaTiO ₃ . <i>Journal of Electroceramics</i> , 2015, 35, 129-134.	2.0	3
23	Fabrication of UO ₂ Porous Pellets on a Scale of 30 kg-U/ Batch at the PRIDE Facility. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.8	9
24	Temperature dependences of the reduction kinetics and densification behavior of U ₃ O ₈ pellets in Ar atmosphere. <i>Ceramics International</i> , 2015, 41, 657-662.	4.8	8
25	Effects of core/shell volumetric ratio on the dielectric-temperature behavior of BaTiO ₃ . <i>Journal of Advanced Ceramics</i> , 2014, 3, 76-82.	17.4	26
26	Coherency strain enhanced dielectric-temperature property of rare-earth doped BaTiO ₃ . <i>Applied Physics Letters</i> , 2013, 102, .	3.3	12
27	The Mechanism of Core/Shell Structure Formation During Sintering of BaTiO ₃ -Based Ceramics. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2435-2438.	3.8	53
28	Effect of step free energy on delayed abnormal grain growth in a liquid phase-sintered BaTiO ₃ model system. <i>Journal of the European Ceramic Society</i> , 2011, 31, 755-762.	5.7	29