# Sang-Chae Jeon

List of Publications by Year
in descending order

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| 28 | 285 | 1040056 9 | 940533 16 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 28 | 28 | 28 | 249 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Mechanism of Core/Shell Structure Formation During Sintering of <scp><scp>BaTiO</scp></scp><sub>3</sub>â€Based Ceramics. Journal of the American Ceramic Society, 2012, 95, 2435-2438. | 3.8 | 53 |
| 2 | Effect of step free energy on delayed abnormal grain growth in a liquid phase-sintered BaTiO3 model system. Journal of the European Ceramic Society, 2011, 31, 755-762. | 5.7 | 29 |
| 3 | Effects of core/shell volumetric ratio on the dielectric-temperature behavior of BaTiO3. Journal of Advanced Ceramics, 2014, 3, 76-82. | 17.4 | 26 |
| 4 | Electrolytic reduction of a simulated oxide spent fuel and the fates of representative elements in a Li2O-LiCl molten salt. Journal of Nuclear Materials, 2016, 477, 59-66. | 2.7 | 26 |
| 5 | 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 |
| 6 | Reoxidation of uranium metal immersed in a Li2O-LiCl molten salt after electrolytic reduction of uranium oxide. Journal of Nuclear Materials, 2017, 485, 90-97. | 2.7 | 18 |
| 7 | Precise control of heat-treatment conditions to improve the catalytic performance of V2O5/TiO2 for H2S removal. Journal of Hazardous Materials, 2021, 416, 125974. | 12.4 | 18 |
| 8 | Coherency strain enhanced dielectric-temperature property of rare-earth doped BaTiO3. Applied Physics Letters, 2013, 102, . | 3.3 | 12 |
| 9 | Fabrication of UO2Porous Pellets on a Scale of 30â€‰kg-U/Batch at the PRIDE Facility. Advances in Materials Science and Engineering, 2015, 2015, 1-8. | 1.8 | 9 |
| 10 | Temperature dependences of the reduction kinetics and densification behavior of U3O8 pellets in Ar atmosphere. Ceramics International, 2015, 41, 657-662. | 4.8 | 8 |
| 11 | Enhanced electrochemical reduction of rare earth oxides in simulated oxide fuel via co-reduction of NiO in Li 2 Oâ€“LiCl salt. Electrochemistry Communications, 2016, 72, 23-26. | 4.7 | 8 |
| 12 | Fission gas release in the micro-cell fuel pellet under normal operating conditions: A simplified approach based on UO2 pellet experience. Journal of Nuclear Materials, 2019, 527, 151801. | 2.7 | 7 |
| 13 | Electrolytic reduction rate of porous UO2 pellets. Korean Journal of Chemical Engineering, 2016, 33, 2235-2239. | 2.7 | 6 |
| 14 | Composition-Dependent Structural Integrity of Hf6Ta2O17 Superstructure during Sintering in a Reducing Atmosphere. Applied Sciences (Switzerland), 2020, 10, 3871. | 2.5 | 6 |
| 15 | Scaling Up Fabrication of UO2 Porous Pellet With a Simulated Spent Fuel Composition. Journal of Nuclear Fuel Cycle and Waste Technology, 2017, 15, 343-353. | 0.3 | 5 |
| 16 | Stability of yttria-stabilized zirconia during pyroprocessing tests. Journal of Nuclear Materials, 2016, 475, 57-61. | 2.7 | 4 |
| 17 | Oxidation-induced strain relaxation and related dielectric-temperature behavior in core/shell grained BaTiO3. Journal of Electroceramics, 2015, 35, 129-134. | 2.0 | 3 |
| 18 | Effect of sintering aids on the grain growth of simulated dupic fuel pellets using the simfuel technique. Ceramics International, 2016, 42, 705-710. | 4.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Grain Growth Behavior of 0.95(Na0.5Bi0.5)TiO3â€“0.05BaTiO3 Controlled by Grain Shape and Second Phase. Materials, 2020, 13, 1344. | 2.9 | 3 |
| 23 | Interface structure dependent step free energy and grain growth behavior of core/shell grains in (Y,) Tj ETQq1 1 0.784314 rgBT /Overl 2804-2812. | 5.7 | 3 |
| 24 | Effect of Charge Compensation Change on the Crystal Structure, Grain Growth Behavior, and Dielectric Properties in the La2O3-doped BaTiO3 System with MnCO3 Addition. Journal of Alloys and Compounds, 2022, , 165388. | 5.5 | 3 |
| 25 | Compositional design of an amphoteric chemical trap for the capturing of gaseous cesium and iodine in UO2 nuclear fuel. Journal of the European Ceramic Society, 2021, 41, 2892-2897. | 5.7 | 2 |
| 26 | Passivation of Al2O3-based refractories by air-plasma-sprayed coatings of Y2O3 to suppress reaction with gaseous Cs. Ceramics International, 2017, 43, 15610-15615. | 4.8 | 1 |
| 27 | Stimulation of densification during the reduction of U3O8 to UO2 by atmosphere control. Ceramics International, 2019, 45, 6863-6868. | 4.8 | 1 |
| 28 | Thermal diffusion kinetics of cesium in ceramic microcell UO2 fuels for accident-tolerant fuel. Journal of the European Ceramic Society, 2021, 41, 6784-6788. | 5.7 | 0 |