

Bola Yoon

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reactive flash sintering of the entropy-stabilized oxide Mg _{0.2} Ni _{0.2} Co _{0.2} Cu _{0.2} Zn _{0.2} O. Scripta Materialia, 2020, 181, 48-52.	5.2	72
2	Measurement of O and Ti atom displacements in TiO ₂ during flash sintering experiments. Journal of the American Ceramic Society, 2018, 101, 1811-1817.	3.8	54
3	Reactive flash sintering: MgO and Al_2O_3 transform and sinter into single-phase polycrystals of MgAl ₂ O ₄ . Journal of the American Ceramic Society, 2019, 102, 2294-2303.	3.8	38
4	Reactive flash sintering of the complex oxide Li _{0.5} La _{0.5} TiO ₃ starting from an amorphous precursor powder. Scripta Materialia, 2020, 176, 78-82.	5.2	35
5	Phase evolution during reactive flash sintering of Li _{6.25} Al _{0.25} La ₃ Zr ₂ O ₁₂ starting from a chemically prepared powder. Journal of the European Ceramic Society, 2021, 41, 4552-4557.	5.7	30
6	Nano-TaC powder synthesized using modified spark plasma sintering apparatus and its densification. Ceramics International, 2015, 41, 11637-11645.	4.8	26
7	On the synchronicity of flash sintering and phase transformation. Journal of the American Ceramic Society, 2019, 102, 3110-3116.	3.8	26
8	On the Arrhenius-like behavior of conductivity during flash sintering of 3 mol% yttria stabilized zirconia ceramics. Scripta Materialia, 2021, 203, 114093.	5.2	11
9	Effects of powder dispersion on reactive flash sintering of 8 mol% yttria-stabilized zirconia and MgAl ₂ O ₄ composites. Scripta Materialia, 2020, 189, 117-121.	5.2	10
10	Low-temperature densification of nano Si-C powder containing Al-C additives prepared by high-energy ball-milling. Ceramics International, 2017, 43, 12-19.	4.8	9
11	Highly concentrated aqueous suspension containing fine SiC particles. Ceramics International, 2019, 45, 21819-21826.	4.8	8
12	Oxygen-ion conductivity and mechanical properties of Lu ₂ O ₃ -doped ZrO ₂ as a solid electrolyte. Ceramics International, 2021, 47, 20844-20849.	4.8	8
13	Dispersion and densification of nano Si-(Al)-C powder with amorphous/nanocrystalline bimodal microstructure. Journal of the American Ceramic Society, 2018, 101, 2760-2769.	3.8	6
14	Nanostructured SiC prepared by ultra low temperature densification using amorphous/nano-crystalline bimodal Si-Al-C powder. Ceramics International, 2018, 44, 15176-15180.	4.8	2
15	Flash sintering of yttria-stabilized zirconia powders coated with nanoscale films of alumina by atomic layer deposition. Journal of the American Ceramic Society, 2021, 104, 2472-2482.	3.8	2
16	Effect of the Si-C Powder Prepared by Mechanical Alloying on the Densification of Silicon Carbide Powder. Journal of the Korean Ceramic Society, 2016, 53, 99-104.	2.3	2