

Junwei Che

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ultralow oxygen ion diffusivity in pyrochlore-type $\text{La}_2(\text{Zr}_{0.7}\text{Ce}_{0.3})_2\text{O}_7$. <i>Journal of Materials Science and Technology</i> , 2022, 102, 174-185.	10.7	5
2	Thermal transport property in pyrochlore-type and fluorite-type $\text{A}_2\text{B}_2\text{O}_7$ oxides by molecular dynamics simulation. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 122038.	4.8	9
3	Effect of yttria on thermal transport and vibrational modes in yttria-stabilized hafnia. <i>Ceramics International</i> , 2022, 48, 31705-31713.	4.8	4
4	Sintering resistance of $\text{La}_2\text{Ce}_2\text{O}_7$, $\text{La}_2\text{Zr}_2\text{O}_7$, and yttria stabilized zirconia ceramics. <i>Ceramics International</i> , 2021, 47, 4197-4205.	4.8	18
5	Outstanding sintering resistance in pyrochlore-type $\text{La}_2(\text{Zr}_{0.7}\text{Ce}_{0.3})_2\text{O}_7$ for thermal barrier coatings material. <i>Ceramics International</i> , 2021, 47, 6996-7004.	4.8	18
6	Effect of Rare Earth Elements on Stability and Sintering Resistance of Tetragonal Zirconia for Advanced Thermal Barrier Coatings. <i>Crystals</i> , 2021, 11, 287.	2.2	10
7	On the microscopic view of the low thermal conductivity of buckling two-dimensional materials from molecular dynamics. <i>Chemical Physics Letters</i> , 2021, 780, 138954.	2.6	0
8	Thermochemical compatibility between $\text{La}_2(\text{Ce}_{1-x}\text{Zr}_x)_2\text{O}_7$ and 4 mol% Y_2O_3 stabilized zirconia after high temperature heat treatment. <i>Ceramics International</i> , 2020, 46, 4142-4147.	4.8	6
9	The effects of interface layer in LZ/YSZ coupled system during thermal transportation at elevated temperatures: A molecular dynamics simulation study. <i>Chemical Physics Letters</i> , 2020, 755, 137788.	2.6	1
10	Porous effects on heat transfer and ions distribution in YSZ using molecular dynamics simulation. <i>Chemical Physics Letters</i> , 2020, 747, 137339.	2.6	1
11	Effect of point defects on the thermal conductivity of Sc_2O_3 - Y_2O_3 co-stabilized tetragonal ZrO_2 ceramic materials. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2389-2396.	5.7	22
12	Chemical compatibility between $\text{Ln}_2\text{Zr}_2\text{O}_7$ ($\text{Ln} = \text{Nd, Sm, Gd}$) and tetragonal yttria stabilized zirconia after annealing at high temperatures. <i>Materials Letters</i> , 2019, 234, 159-162.	2.6	13
13	Diffusion mechanism of oxygen ions in $\text{La}_2\text{Zr}_2\text{O}_7/\text{YSZ}$ composite ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 778, 522-531.	5.5	21
14	Phase, compositional, structural, and chemical stability of $\text{La}_2\text{Ce}_2\text{O}_7$ after high temperature heat treatment. <i>Ceramics International</i> , 2019, 45, 5030-5035.	4.8	16
15	Structure, thermal expansion coefficient and phase stability of $\text{La}_2(\text{Zr}_{0.7}\text{Ce}_{0.3})_2\text{O}_7$ studied by molecular dynamic simulation and experiment. <i>Chemical Physics Letters</i> , 2018, 697, 48-52.	2.6	17
16	Improved properties of scandia and yttria co-doped zirconia as a potential thermal barrier material for high temperature applications. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4502-4511.	5.7	54
17	Influence of powder states on the composition and phase stability of LZ/YSZ composite thermal barrier coatings. <i>Ceramics International</i> , 2018, 44, 20291-20298.	4.8	11