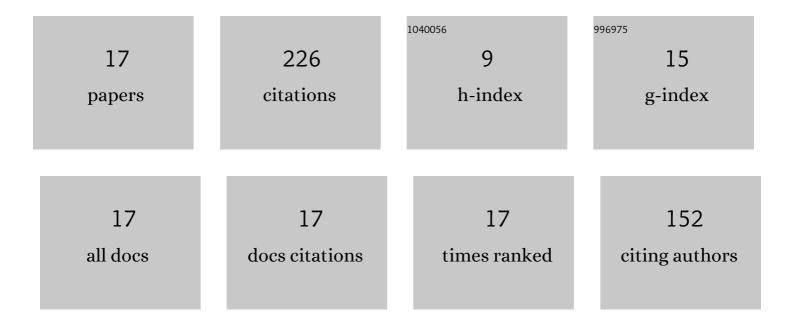
Junwei Che

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Improved properties of scandia and yttria co-doped zirconia as a potential thermal barrier material for high temperature applications. Journal of the European Ceramic Society, 2018, 38, 4502-4511.	5.7	54
2	Effect of point defects on the thermal conductivity of Sc2O3-Y2O3 co-stabilized tetragonal ZrO2 ceramic materials. Journal of the European Ceramic Society, 2019, 39, 2389-2396.	5.7	22
3	Diffusion mechanism of oxygen ions in La2Zr2O7/YSZ composite ceramics. Journal of Alloys and Compounds, 2019, 778, 522-531.	5.5	21
4	Sintering resistance of La2Ce2O7, La2Zr2O7, and yttria stabilized zirconia ceramics. Ceramics International, 2021, 47, 4197-4205.	4.8	18
5	Outstanding sintering resistance in pyrochlore-type La2(Zr0.7Ce0.3)2O7 for thermal barrier coatings material. Ceramics International, 2021, 47, 6996-7004.	4.8	18
6	Structure, thermal expansion coefficient and phase stability of La 2 (Zr 0.7 Ce 0.3) 2 O 7 studied by molecular dynamic simulation and experiment. Chemical Physics Letters, 2018, 697, 48-52.	2.6	17
7	Phase, compositional, structural, and chemical stability of La2Ce2O7 after high temperature heat treatment. Ceramics International, 2019, 45, 5030-5035.	4.8	16
8	Chemical compatibility between Ln2Zr2O7 (Ln =†Nd, Sm, Gd) and tetragonal yttria stabilized zirconia after annealing at high temperatures. Materials Letters, 2019, 234, 159-162.	2.6	13
9	Influence of powder states on the composition and phase stability of LZ/YSZ composite thermal barrier coatings. Ceramics International, 2018, 44, 20291-20298.	4.8	11
10	Effect of Rare Earth Elements on Stability and Sintering Resistance of Tetragonal Zirconia for Advanced Thermal Barrier Coatings. Crystals, 2021, 11, 287.	2.2	10
11	Thermal transport property in pyrochlore-type and fluorite-type A2B2O7 oxides by molecular dynamics simulation. International Journal of Heat and Mass Transfer, 2022, 182, 122038.	4.8	9
12	Thermochemical compatibility between La2(Ce1-xZrx)2O7 and 4â€ ⁻ mol% Y2O3 stabilized zirconia after high temperature heat treatment. Ceramics International, 2020, 46, 4142-4147.	4.8	6
13	Ultralow oxygen ion diffusivity in pyrochlore-type La2(Zr0.7Ce0.3)2O7. Journal of Materials Science and Technology, 2022, 102, 174-185.	10.7	5
14	Effect of yttria on thermal transport and vibrational modes in yttria-stabilized hafnia. Ceramics International, 2022, 48, 31705-31713.	4.8	4
15	The effects of interface layer in LZ/YSZ coupled system during thermal transportation at elevated temperatures: A molecular dynamics simulation study. Chemical Physics Letters, 2020, 755, 137788.	2.6	1
16	Porous effects on heat transfer and ions distribution in YSZ using molecular dynamics simulation. Chemical Physics Letters, 2020, 747, 137339.	2.6	1
17	On the microscopic view of the low thermal conductivity of buckling two-dimensional materials from molecular dynamics. Chemical Physics Letters, 2021, 780, 138954.	2.6	0