

Xy Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Chemical compatibility between Ln ₂ Zr ₂ O ₇ (Ln = Nd, Sm, Gd) and tetragonal yttria stabilized zirconia after annealing at high temperatures. <i>Materials Letters</i> , 2019, 234, 159-162.	2.6	13
2	Diffusion mechanism of oxygen ions in La ₂ Zr ₂ O ₇ /YSZ composite ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 778, 522-531.	5.5	21
3	Phase, compositional, structural, and chemical stability of La ₂ Ce ₂ O ₇ after high temperature heat treatment. <i>Ceramics International</i> , 2019, 45, 5030-5035.	4.8	16
4	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
5	Comparative study of the sintering behaviors between YSZ and LZ/YSZ composite. <i>Materials Letters</i> , 2017, 191, 108-111.	2.6	38
6	Understanding the effect of porosity on thermal properties of yttria-stabilized zirconia using molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2016, 222, 88-93.	4.9	3
7	The effect of sintering temperature on the microstructure and phase transformation in tetragonal YSZ and LZ/YSZ composites. <i>Ceramics International</i> , 2016, 42, 2456-2465.	4.8	36
8	Phase transition behavior of yttria-stabilized zirconia from tetragonal to monoclinic in the lanthanum zirconate/yttria-stabilized zirconia coupled-system using molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2015, 207, 309-314.	4.9	25
9	A comparative study of the microstructure and oxidation behavior in supersonic and conventional air plasma sprayed thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2013, 235, 853-859.	4.8	10