

Tianpeng Wen

List of Publications by Year in descending order

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18
papers

165
citations

1163117

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1125743

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18
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	A combined phase evolution, mechanical and electrical analysis of Mg-PSZ with TiO ₂ addition. <i>Materials Chemistry and Physics</i> , 2022, 276, 125316.	4.0	2
2	Electrical conductivity behavior of ZrO ₂ -MgO-Y ₂ O ₃ ceramic: effect of heat treatment temperature. <i>Journal of the Australian Ceramic Society</i> , 2022, 58, 421.	1.9	4
3	Enhancement of the electrochemical performance in MgO stabilized ZrO ₂ oxygen sensors by co-doping trivalent metal oxides. <i>Current Applied Physics</i> , 2022, 39, 133-139.	2.4	4
4	Development of a novel hydrophobic and lipophilic material based on mullite fiber-based porous ceramics matrix used for highly efficient oil-water separation. <i>Ceramics International</i> , 2021, 47, 9948-9954.	4.8	14
5	Synthesis and characterization of mullite-ZrO ₂ porous fibrous ceramic for highly efficient oil-water separation. <i>Ceramics International</i> , 2021, 47, 22709-22716.	4.8	14
6	Modified superhydrophilic/underwater superoleophobic mullite fiber-based porous ceramic for oil-water separation. <i>Materials Research Bulletin</i> , 2021, 143, 111454.	5.2	23
7	Preparation and characterization of (Ca ²⁺ , Al ³⁺)-infiltrated CaO-Al ₂ O ₃ auxiliary electrode for electrochemical sulfur sensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 106, 393-393.	5.8	2
8	Behavior and mechanism of in-situ synthesis of auxiliary electrode for electrochemical sulfur sensor by calcium aluminate system. <i>Ceramics International</i> , 2020, 46, 4256-4264.	4.8	9
9	Enhanced ionic conductivity and thermal shock resistance of MgO stabilized ZrO ₂ doped with Y ₂ O ₃ . <i>Ceramics International</i> , 2020, 46, 19835-19842.	4.8	27
10	Effect of phosphorus in the molten iron on the performance of electrochemical sulfur sensor prepared by ZrO ₂ (MgO)/CaAl ₂ O ₄ +CaAl ₄ O ₇ . <i>Materials Research Bulletin</i> , 2020, 125, 110805.	5.2	1
11	Effect of CeO ₂ addition on the sintering behavior of the alumina-rich calcium aluminate ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 1761-1768.	2.1	5
12	A novel electrochemical sensor for phosphorus determination in the high phosphorus liquid iron. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3530-3536.	5.8	3
13	Enhancing the properties of ZrO ₂ (MgO)/CaO-Al ₂ O ₃ bilayer structure by doping CeO ₂ for application in metallurgical electrochemical sensor. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154313.	5.5	4
14	Structure and ionic conductivity of ZrO ₂ (MgO)/CaO-Al ₂ O ₃ bilayer system used as solid electrolyte for sulfur sensor. <i>Materials Research Bulletin</i> , 2019, 117, 113-119.	5.2	13
15	Fabrication of ZrO ₂ (MgO)/CaAl ₂ O ₄ +CaAl ₄ O ₇ Bilayer Structure Used for Sulfur Sensor by Laser Cladding. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1036.	2.5	0
16	Effects of the Molding Method and Blank Size of Green Body on the Sintering Densification of Magnesia. <i>Materials</i> , 2019, 12, 647.	2.9	5
17	Application of solid electrochemical sulfur sensor in the liquid iron. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 177-182.	7.8	21
18	Fabrication of high-density magnesia using vacuum compaction molding. <i>Ceramics International</i> , 2018, 44, 6390-6394.	4.8	14