Di Zhao

List of Publications by Year
in descending order

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20	282	933447 10	888059 17
papers	citations	h-index	g-index

20	20	20	94
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Directly fabricated Al2O3/GdAlO3 eutectic ceramic with large smooth surface by selective laser melting: Rapid solidification behavior and thermal field simulation. Journal of the European Ceramic Society, 2022, 42, 1088-1101.	5.7	28
2	Research Progress on Ultrahigh Temperature Oxide Eutectic Ceramics by Laser Additive Manufacturing. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2022, 37, 255.	1.3	3
3	Formation mechanism and controlling strategy of lamellar structure in 3D printed alumina ceramics by digital light processing. Additive Manufacturing, 2022, 52, 102650.	3.0	5
4	Ultrahigh-Strength Porous Ceramic Composites via a Simple Directional Solidification Process. Nano Letters, 2022, 22, 2405-2411.	9.1	13
5	A Review of Emerging Metallic System for High-Energy Beam Additive Manufacturing: Alâ€“Coâ€“Crâ€“Feâ€“Ni High Entropy Alloys. Acta Metallurgica Sinica (English Letters), 2022, 35, 1407-1423.	2.9	12
6	Collaborative enhancement of luminous efficacy and fracture toughness based on interface design of Al2O3/YAG:Ce3+ eutectic phosphor ceramic grown by laser floating zone melting. Ceramics International, 2022, 48, 10144-10154.	4.8	3
7	Research progress on microstructure and property regulation of ultra-high temperature oxide eutectic ceramics by high gradient directional solidification technology. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2022, 40, 229-242.	0.5	0
8	Distribution control and formation mechanism of gas inclusions in directionally solidified Al2O3-Er3Al5O12-ZrO2 ternary eutectic ceramic by laser floating zone melting. Journal of Materials Science and Technology, 2021, 66, 21-27.	10.7	25
9	One-step additive manufacturing and microstructure evolution of melt-grown Al2O3/GdAlO3/ZrO2 eutectic ceramics by laser directed energy deposition. Journal of the European Ceramic Society, 2021, 41, 3547-3558.	5.7	32
10	Preparation of large-size Al2O3/GdAlO3/ZrO2 ternary eutectic ceramic rod by laser directed energy deposition and its microstructure homogenization mechanism. Journal of Materials Science and Technology, 2021, 85, 218-223.	10.7	22
11	Insights into high thermal stability of laser additively manufactured Al2O3/GdAlO3/ZrO2 eutectic ceramics under high temperatures. Additive Manufacturing, 2021, 48, 102425.	3.0	4
12	Evolutions of rod diameter, molten zone and temperature gradient of oxide eutectic ceramics during laser floating zone melting. Ceramics International, 2020, 46, 18750-18757.	4.8	11
13	Highly enhanced aging resistance of rapidly solidified zirconia toughened alumina bioceramics with refined eutectic microstructure. Journal of the European Ceramic Society, 2020, 40, 2497-2503.	5.7	7
14	Effect of scanning speed on the solidification process of Al2O3/GdAlO3/ZrO2 eutectic ceramics in a single track by selective laser melting. Ceramics International, 2019, 45, 17252-17257.	4.8	29
15	Densification and microstructural evolution of bulk Al2O3â€“Y3Al5O12(YAG) eutectic ceramic fabricated by spark plasma sintering. Ceramics International, 2019, 45, 12337-12343.	4.8	4
16	Halo formation in directionally solidified Al2O3-Er3Al5O12 off-eutectic in situ composite ceramics. Materials Characterization, 2019, 150, 31-37.	4.4	6
17	Effect of an abrupt change in pulling rate on microstructures of directionally solidified Al2O3-Er3Al5O12 eutectic and off-eutectic composite ceramics. Ceramics International, 2019, 45, 6632-6638.	4.8	6
18	Eutectic growth behavior with regular arrangement in the faceted Al2O3/Er3Al5O12 irregular eutectic system at low growth rate. Scripta Materialia, 2019, 162, 49-53.	5.2	12

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19	Microstructure tailoring and thermal stability of directionally solidified Al2O3/GdAlO3 binary eutectic ceramics by laser floating zone melting. Ceramics International, 2018, 44, 7908-7916.	4.8	17
20	Direct formation of Al2O3/GdAlO3/ZrO2 ternary eutectic ceramics by selective laser melting: Microstructure evolutions. Journal of the European Ceramic Society, 2018, 38, 5144-5152.	5.7	43