

Keqiang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,506
citations

394421

19
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	High solid loading, low viscosity photosensitive Al ₂ O ₃ slurry for stereolithography based additive manufacturing. <i>Ceramics International</i> , 2019, 45, 203-208.	4.8	203
2	Progress and challenges towards additive manufacturing of SiC ceramic. <i>Journal of Advanced Ceramics</i> , 2021, 10, 637-674.	17.4	132
3	Dispersion and stability of SiC ceramic slurry for stereolithography. <i>Ceramics International</i> , 2020, 46, 4720-4729.	4.8	129
4	Fabrication of SiC ceramic architectures using stereolithography combined with precursor infiltration and pyrolysis. <i>Ceramics International</i> , 2019, 45, 14006-14014.	4.8	120
5	Stereolithography-based additive manufacturing of gray-colored SiC ceramic green body. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7198-7209.	3.8	117
6	Photosensitive ZrO ₂ suspensions for stereolithography. <i>Ceramics International</i> , 2019, 45, 12189-12195.	4.8	107
7	Polymer-derived silicon nitride ceramics by digital light processing based additive manufacturing. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5117-5126.	3.8	98
8	Stereolithography 3D printing of SiC ceramic with potential for lightweight optical mirror. <i>Ceramics International</i> , 2020, 46, 18785-18790.	4.8	85
9	Effects of fine grains and sintering additives on stereolithography additive manufactured Al ₂ O ₃ ceramic. <i>Ceramics International</i> , 2021, 47, 2303-2310.	4.8	85
10	Digital light processing of 3Y-TZP strengthened ZrO ₂ ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 774, 138768.	5.6	82
11	Integrated thermal protection system based on C/SiC composite corrugated core sandwich plane structure. <i>Aerospace Science and Technology</i> , 2019, 91, 607-616.	4.8	58
12	Bending behavior of lightweight C/SiC pyramidal lattice core sandwich panels. <i>International Journal of Mechanical Sciences</i> , 2020, 171, 105409.	6.7	36
13	Stereolithography additive manufacturing of multi-ceramic triangle structures with tunable thermal expansion. <i>Journal of the European Ceramic Society</i> , 2021, 41, 2796-2806.	5.7	34
14	Mechanical and electrical properties of MoSi ₂ -based ceramics with various ZrB ₂ -20 vol% SiC as additives for ultra high temperature heating element. <i>Ceramics International</i> , 2018, 44, 1041-1045.	4.8	30
15	Roles of solid loading in stereolithography additive manufacturing of ZrO ₂ ceramic. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 99, 105604.	3.8	30
16	Step-freeze-drying method for carbon aerogels: a study of the effects on microstructure and mechanical property. <i>RSC Advances</i> , 2019, 9, 9931-9936.	3.6	27
17	Quantitative characterization of defects in stereolithographic additive manufactured ceramic using X-ray computed tomography. <i>Journal of Materials Science and Technology</i> , 2022, 118, 144-157.	10.7	27
18	Stereolithography additive manufacturing and sintering approaches of SiC ceramics. <i>Open Ceramics</i> , 2021, 5, 100046.	2.0	24

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19	Effects of solid loading on stereolithographic additive manufactured ZrO ₂ ceramic: A quantitative defect study by X-ray computed tomography. <i>Ceramics International</i> , 2021, 47, 24353-24359.	4.8	23
20	High temperature oxidation behavior of ZrB ₂ -SiC added MoSi ₂ ceramics. <i>Ceramics International</i> , 2018, 44, 21076-21082.	4.8	18
21	Lightweight C/SiC Ceramic Matrix Composite Structures with High Loading Capacity. <i>Advanced Engineering Materials</i> , 2019, 21, 1801246.	3.5	14
22	Joining of C/SiC Ceramic Matrix Composites: A Review. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-15.	1.8	10
23	Design and additive manufacturing of 3D-architected ceramic metamaterials with programmable thermal expansion. <i>Additive Manufacturing</i> , 2021, 47, 102338.	3.0	8
24	Thermal shock resistance study of stereolithographic additive-manufactured Al ₂ O ₃ ceramics by in situ digital radiography. <i>Ceramics International</i> , 2022, 48, 30086-30092.	4.8	4