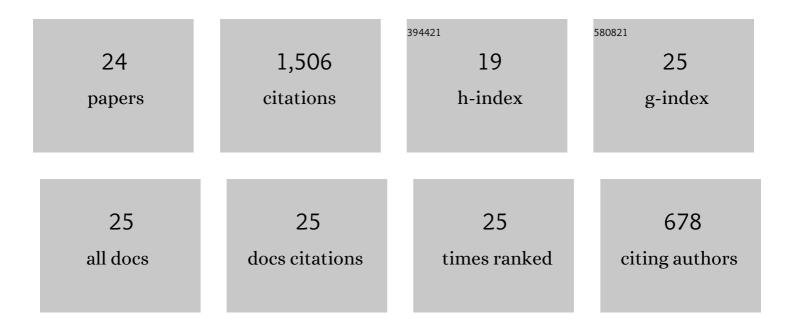
## Keqiang Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	High solid loading, low viscosity photosensitive Al2O3 slurry for stereolithography based additive manufacturing. Ceramics International, 2019, 45, 203-208.	4.8	203
2	Progress and challenges towards additive manufacturing of SiC ceramic. Journal of Advanced Ceramics, 2021, 10, 637-674.	17.4	132
3	Dispersion and stability of SiC ceramic slurry for stereolithography. Ceramics International, 2020, 46, 4720-4729.	4.8	129
4	Fabrication of SiC ceramic architectures using stereolithography combined with precursor infiltration and pyrolysis. Ceramics International, 2019, 45, 14006-14014.	4.8	120
5	Stereolithographyâ€based additive manufacturing of grayâ€colored SiC ceramic green body. Journal of the American Ceramic Society, 2019, 102, 7198-7209.	3.8	117
6	Photosensitive ZrO2 suspensions for stereolithography. Ceramics International, 2019, 45, 12189-12195.	4.8	107
7	Polymerâ€derived silicon nitride ceramics by digital light processing based additive manufacturing. Journal of the American Ceramic Society, 2019, 102, 5117-5126.	3.8	98
8	Stereolithography 3D printing of SiC ceramic with potential for lightweight optical mirror. Ceramics International, 2020, 46, 18785-18790.	4.8	85
9	Effects of fine grains and sintering additives on stereolithography additive manufactured Al2O3 ceramic. Ceramics International, 2021, 47, 2303-2310.	4.8	85
10	Digital light processing of 3Y-TZP strengthened ZrO2 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 774, 138768.	5.6	82
11	Integrated thermal protection system based on C/SiC composite corrugated core sandwich plane structure. Aerospace Science and Technology, 2019, 91, 607-616.	4.8	58
12	Bending behavior of lightweight C/SiC pyramidal lattice core sandwich panels. International Journal of Mechanical Sciences, 2020, 171, 105409.	6.7	36
13	Stereolithography additive manufacturing of multi-ceramic triangle structures with tunable thermal expansion. Journal of the European Ceramic Society, 2021, 41, 2796-2806.	5.7	34
14	Mechanical and electrical properties of MoSi2-based ceramics with various ZrB2-20 vol% SiC as additives for ultra high temperature heating element. Ceramics International, 2018, 44, 1041-1045.	4.8	30
15	Roles of solid loading in stereolithography additive manufacturing of ZrO2 ceramic. International Journal of Refractory Metals and Hard Materials, 2021, 99, 105604.	3.8	30
16	Step-freeze-drying method for carbon aerogels: a study of the effects on microstructure and mechanical property. RSC Advances, 2019, 9, 9931-9936.	3.6	27
17	Quantitative characterization of defects in stereolithographic additive manufactured ceramic using X-ray computed tomography. Journal of Materials Science and Technology, 2022, 118, 144-157.	10.7	27
18	Stereolithography additive manufacturing and sintering approaches of SiC ceramics. Open Ceramics, 2021, 5, 100046.	2.0	24

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#	Article	IF	CITATIONS
19	Effects of solid loading on stereolithographic additive manufactured ZrO2 ceramic: A quantitative defect study by X-ray computed tomography. Ceramics International, 2021, 47, 24353-24359.	4.8	23
20	High temperature oxidation behavior of ZrB2-SiC added MoSi2 ceramics. Ceramics International, 2018, 44, 21076-21082.	4.8	18
21	Lightweight C/SiC Ceramic Matrix Composite Structures with High Loading Capacity. Advanced Engineering Materials, 2019, 21, 1801246.	3.5	14
22	Joining of C <sub>f</sub> /SiC Ceramic Matrix Composites: A Review. Advances in Materials Science and Engineering, 2018, 2018, 1-15.	1.8	10
23	Design and additive manufacturing of 3D-architected ceramic metamaterials with programmable thermal expansion. Additive Manufacturing, 2021, 47, 102338.	3.0	8
24	Thermal shock resistance study of stereolithographic additive-manufactured Al2O3 ceramics by in situ digital radiography. Ceramics International, 2022, 48, 30086-30092.	4.8	4