Martin Stumpf

List of Publications by Citations

15 papers	95 citations	5 h-index	9 g-index
15 ext. papers	132 ext. citations	4.4 avg, IF	2.76 L-index

#	Paper	IF	Citations
15	Sol-gel infiltration of complex cellular indirect 3D printed alumina. *Journal of the European Ceramic Society*, **2018**, 38, 3603-3609	6	18
14	Microstructure, thermal conductivity and simulation of elastic modulus of MAX-phase (Ti2AlC) gel-cast foams. *Journal of the European Ceramic Society*, **2018**, 38, 3424-3432	6	17
13	Modular ceramic scaffolds for individual implants. *Acta Biomaterialia*, **2018**, 80, 390-400	10.8	15
12	Automated 3D assembly of periodic alumina-epoxy composite structures. *Journal of the American Ceramic Society*, **2018**, 101, 3864-3873	3.8	12
11	Nb2AlC-particle induced accelerated crack healing in ZrO2□matrix composites. *Ceramics International*, **2018**, 44, 19352-19361	5.1	9
10	Topological interlocking and damage mechanisms in periodic Ti2AlC-Al building block composites. *Journal of the European Ceramic Society*, **2019**, 39, 2003-2009	6	4
9	Porous Alumina Ceramics with Multimodal Pore Size Distributions. *Materials*, **2021**, 14,	3.5	4
8	Enforcing of Mechanical Properties of Alumina Foams. *Ceramic Engineering and Science Proceedings*, **2017**, 149-162	0.1	3
7	Encapsulation of Reactive Ti2AlC and Nb2AlC Particles via a Boehmite Precipitation Route. *Advanced Engineering Materials*, **2019**, 21, 1900048	3.5	3
6	Temperature- and Stress-Dependent Electromechanical Response of Porous Pb(Zr,Ti)O3. *Advanced Engineering Materials*, **2020**, 22, 2000389	3.5	3
5	Influence of Different Irradiation Protocols on Vascularization and Bone Formation Parameters in Rat Femora. *Tissue Engineering - Part C: Methods*, **2017**, 23, 583-591	2.9	2
4	Modular Lattice Constructs for Biological Joint Resurfacing. *Tissue Engineering - Part A*, **2019**, 25, 1053-1062	3.7	2
3	Influence of □CT scanning resolution and volume on FEM-simulation of periodic 3D-printed porous ceramics. *Materials Letters*, **2021**, 303, 130529	3.3	2
2	Thermochemical calculations of the oxidation behavior of Nb2AlC MAX phase in ZrO2□matrix composites. *Ceramics International*, **2018**, 44, 15747-15753	5.1	1
1	Enhancement of the Carbothermal Reduction of Hafnium Oxide by Silicon . *Advanced Engineering Materials*, **2017**, 19, 1600377	3.5	0