

Andrea Zocca

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,431
citations

516710

16
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

1588
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial: Advances in additive manufacturing of ceramics. Open Ceramics, 2022, 10, 100277.	2.0	0
2	Additive Manufacturing. , 2021, , 203-221.		3
3	Searching for biological feedstock material: 3D printing of wood particles from house borer and drywood termite frass. PLoS ONE, 2021, 16, e0246511.	2.5	10
4	An approach to monitor the real-time deformation during heat treatment of 3D-printed glass. Ceramics International, 2021, 47, 20045-20050.	4.8	1
5	Literature review: Methods for achieving high powder bed densities in ceramic powder bed based additive manufacturing. Open Ceramics, 2021, 8, 100191.	2.0	9
6	Characterization of powder flow behavior for additive manufacturing. Additive Manufacturing, 2021, 47, 102250.	3.0	10
7	Sintering of ceramics for clay in situ resource utilization on Mars. Open Ceramics, 2020, 3, 100008.	2.0	8
8	Clay in situ resource utilization with Mars global simulant slurries for additive manufacturing and traditional shaping of unfired green bodies. Acta Astronautica, 2020, 174, 241-253.	3.2	23
9	Investigation of the sintering and melting of JSC-2A lunar regolith simulant. Ceramics International, 2020, 46, 14097-14104.	4.8	21
10	Manufacturing of ceramic components with internal channels by a novel additive/subtractive hybridization process. Open Ceramics, 2020, 2, 100010.	2.0	4
11	Enabling the 3D Printing of Metal Components in $\hat{\mu}$ Gravity. Advanced Materials Technologies, 2019, 4, 1900506.	5.8	31
12	Additive manufacturing of SiSiC by layerwise slurry deposition and binder jetting (LSD-print). Journal of the European Ceramic Society, 2019, 39, 3527-3533.	5.7	50
13	3D Printing of Self-Organizing Structural Elements for Advanced Functional Structures. Advanced Materials Technologies, 2018, 3, 1800003.	5.8	5
14	3D printing of porcelain by layerwise slurry deposition. Journal of the European Ceramic Society, 2018, 38, 3395-3400.	5.7	43
15	Towards the colonization of Mars by in-situ resource utilization: Slip cast ceramics from Martian soil simulant. PLoS ONE, 2018, 13, e0204025.	2.5	21
16	Bioactive glass-ceramic scaffolds by additive manufacturing and sinter-crystallization of fine glass powders. Journal of Materials Research, 2018, 33, 1960-1971.	2.6	20
17	Direct Ink Writing of a Pre-ceramic Polymer and Fillers to Produce Hardystonite ($\text{Ca}_2\text{ZnSi}_2\text{O}_7$) Bioceramic Scaffolds. Journal of the American Ceramic Society, 2016, 99, 1960-1967.	3.8	79
18	Structural optimization of printed structures by self-organized relaxation. Rapid Prototyping Journal, 2016, 22, 344-349.	3.2	6

#	ARTICLE	IF	CITATIONS
19	Hardystonite bioceramics from preceramic polymers. Journal of the European Ceramic Society, 2016, 36, 829-835.	5.7	30
20	Additive Manufacturing of Ceramics: Issues, Potentialities, and Opportunities. Journal of the American Ceramic Society, 2015, 98, 1983-2001.	3.8	726
21	3D-printed silicate porous bioceramics using a non-sacrificial preceramic polymer binder. Biofabrication, 2015, 7, 025008.	7.1	69
22	Development of bioactive silicate-based glass-ceramics from preceramic polymer and fillers. Journal of the European Ceramic Society, 2015, 35, 731-739.	5.7	35
23	Powder-Bed Stabilization for Powder-Based Additive Manufacturing. Advances in Mechanical Engineering, 2014, 6, 491581.	1.6	21
24	LAS glass-ceramic scaffolds by three-dimensional printing. Journal of the European Ceramic Society, 2013, 33, 1525-1533.	5.7	57
25	Design, Analysis and Additive Manufacturing of Porous Structures for Biocompatible Micro-Scale Scaffolds. Procedia CIRP, 2013, 5, 247-252.	1.9	48
26	Selective laser densification of lithium aluminosilicate glass ceramic tapes. Applied Surface Science, 2013, 265, 610-614.	6.1	15
27	SiOC ceramics with ordered porosity by 3D-printing of a preceramic polymer. Journal of Materials Research, 2013, 28, 2243-2252.	2.6	80
28	Designing apatite/wollastonite (A/W) porous scaffolds by powder-based 3D printing. , 2013, , 159-163.		3
29	Self-Organization Postprocess for Additive Manufacturing in Producing Advanced Functional Structure and Material. Advanced Engineering Materials, 0, , 2101262.	3.5	1