Susana M. Olhero

List of Publications by Year
in descending order

60	1,903	201575	265120
papers	citations	27 h-index	42 g-index

60	60	60	2007
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of particle size distribution on rheology and particle packing of silica-based suspensions. Powder Technology, 2004, 139, 69-75.	2.1	173
2	Incorporation of wastes from granite rock cutting and polishing industries to produce roof tiles. Journal of the European Ceramic Society, 2009, 29, 23-30.	2.8	130
3	Synthesis, mechanical and biological characterization of ionic doped carbonated hydroxyapatite/Î²-tricalcium phosphate mixtures. Acta Biomaterialia, 2011, 7, 1835-1843.	4.1	87
4	Controlling hydrolysis and dispersion of AlN powders in aqueous media. Journal of Colloid and Interface Science, 2003, 261, 456-463.	5.0	75
5	Biphasic calcium phosphate scaffolds fabricated by direct write assembly: Mechanical, anti-microbial and osteoblastic properties. Journal of the European Ceramic Society, 2017, 37, 359-368.	2.8	72
6	Synergy of polysaccharide mixtures in gelcasting of alumina. Journal of the European Ceramic Society, 2000, 20, 423-429.	2.8	66
7	Biocompatibility and antimicrobial activity of biphasic calcium phosphate powders doped with metal ions for regenerative medicine. Ceramics International, 2017, 43, 15719-15728.	2.3	61
8	Influence of setting liquid composition and liquid-to-powder ratio on properties of a Mg-substituted calcium phosphate cement. Acta Biomaterialia, 2009, 5, 1233-1240.	4.1	60
9	Influence of processing route on microstructure and mechanical properties of MgAl2O4 spinel. Ceramics International, 2010, 36, 473-482.	2.3	58
10	Aqueous Colloidal Processing of ZTA Composites. Journal of the American Ceramic Society, 2009, 92, 9-16.	1.9	57
11	A novel approach to prepare aluminium-alloy foams reinforced by carbon-nanotubes. Materials Letters, 2015, 160, 162-166.	1.3	56
12	Effect of sodium hexametaphosphate and ageing on the rheological behaviour of kaolin dispersions. Applied Clay Science, 2006, 31, 56-64.	2.6	54
13	An effective approach to reinforced closed-cell Al-alloy foams with multiwalled carbon nanotubes. Carbon, 2015, 95, 589-600.	5.4	53
14	Surface Passivation of MgAl₂O₄Spinel Powder by Chemisorbing H₃PO₄for Easy Aqueous Processing. Langmuir, 2008, 24, 9525-9530.	1.6	42
15	A Thermo-Chemical Surface Treatment of AlN Powder for the Aqueous Processing of AlN Ceramics. Journal of Materials Research, 2004, 19, 746-751.	1.2	40
16	Hydrolysis-induced aqueous gelcasting for near-net shape forming of ZTA ceramic composites. Journal of the European Ceramic Society, 2009, 29, 1393-1401.	2.8	39
17	Thermo-mechanical and high-temperature dielectric properties of cordierite-mullite-alumina ceramics. Ceramics International, 2016, 42, 16897-16905.	2.3	38
18	Influence of Temperature on Stability of Electrostatically Stabilized Alumina Suspensions. Journal of Colloid and Interface Science, 2000, 231, 221-227.	5.0	35

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19	Formation and Densification Behavior of MgAl₂O₄Spinel: The Influence of Processing Parameters. Journal of the American Ceramic Society, 2008, 91, 1905-1911.	1.9	35
20	Gelcasting of Magnesium Aluminate Spinel Powder. Journal of the American Ceramic Society, 2009, 92, 350-357.	1.9	35
21	Novel sintering-free scaffolds obtained by additive manufacturing for concurrent bone regeneration and drug delivery: Proof of concept. Materials Science and Engineering C, 2019, 94, 426-436.	3.8	35
22	Innovative fabrication of PZT pillar arrays by a colloidal approach. Journal of the European Ceramic Society, 2012, 32, 1067-1075.	2.8	34
23	A novel colloidal processing route to alumina ceramics. Ceramics International, 2010, 36, 1357-1364.	2.3	33
24	Modeling the mechanical properties of optimally processed cordieriteâ€“mulliteâ€“alumina ceramic foams by X-ray computed tomography and finite element analysis. Acta Materialia, 2012, 60, 4235-4246.	3.8	32
25	Co-precipitation of a Niâ€“Zn ferrite precursor powder: Effects of heat treatment conditions and deagglomeration on the structure and magnetic properties. Journal of the European Ceramic Society, 2012, 32, 2469-2476.	2.8	32
26	Title is missing!. Journal of Materials Synthesis and Processing, 2002, 10, 311-318.	0.3	30
27	Al-rich sludge treatments towards recycling. Journal of the European Ceramic Society, 2002, 22, 2243-2249.	2.8	29
28	Direct ink writing of macroporous leadâ€free piezoelectric Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O₃. Journal of the American Ceramic Society, 2019, 102, 3191-3203.	1.9	29
29	Chemisorption of Phosphoric Acid and Surface Characterization of As Passivated AlN Powder Against Hydrolysis. Langmuir, 2008, 24, 5359-5365.	1.6	27
30	Feedstock Formulations for Direct Consolidation of Porcelains with Polysaccharides. Journal of the American Ceramic Society, 2001, 84, 719-725.	1.9	24
31	Rheological characterisation of water-based AlN slurries for the tape casting process. Journal of Materials Processing Technology, 2005, 169, 206-213.	3.1	24
32	A non-aqueous processing route for phosphate-protection of AlN powder against hydrolysis. Journal of the European Ceramic Society, 2008, 28, 2281-2288.	2.8	24
33	Particle segregation phenomena occurring during the slip casting process. Ceramics International, 2002, 28, 377-386.	2.3	21
34	Additive manufacturing of 3D porous alkali-free bioactive glass scaffolds for healthcare applications. Journal of Materials Science, 2017, 52, 12079-12088.	1.7	21
35	Lead-free 0.5Ba(Zr0.2Ti0.8)O3â€“0.5(Ba0.7Ca0.3)TiO3 powder surface treated against hydrolysis â€“ a key for a successful aqueous processing. Journal of Materials Chemistry C, 2013, 1, 4846.	2.7	20
36	Hydrolysis Control of AlN Powders for the Aqueous Processing of Spherical AlN Granules. Journal of the American Ceramic Society, 2013, 96, 1383-1389.	1.9	20

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37	Application of gel-casting to the fabrication of 1â€“3 piezoelectric ceramicâ€“polymer composites for high-frequency ultrasound devices. Journal of Micromechanics and Microengineering, 2012, 22, 125001.	1.5	19
38	Rheological properties of paraffin suspensions of surface-modified alumina powder for low-pressure injection moulding. Rheologica Acta, 2004, 43, 559-566.	1.1	17
39	Is the ubiquitous presence of barium carbonate responsible for the poor aqueous processing ability of barium titanate?. Journal of the European Ceramic Society, 2013, 33, 2509-2517.	2.8	17
40	Fabrication of Barium Strontium Titanate (<scp><scp>Ba</scp></scp>_{0.6}<scp><scp>Sr</scp></scp>_{0.4}<scp><scp>TiO</scp></scp>₃) 3D Microcomponents from Aqueous Suspensions. Journal of the American Ceramic Society, 2014, 97, 725-732.	1.9	17
41	AlN ceramics processed by aqueous slip casting. Journal of Materials Research, 2006, 21, 2460-2469.	1.2	16
42	Influence of the de-waxing atmosphere on the properties of AlN ceramics processed from aqueous media. Journal of the European Ceramic Society, 2006, 26, 2475-2483.	2.8	16
43	Bone: An Outstanding Composite Material. Applied Sciences (Switzerland), 2022, 12, 3381.	1.3	14
44	Phosphoric acid treated AlN powder for aqueous processing of net-shape dense AlN andÎ²-SiAlON parts. Advances in Applied Ceramics, 2009, 108, 111-117.	0.6	13
45	Influence of chemical composition on sintering ability of ZTA ceramics consolidated from freeze dried granules. Ceramics International, 2011, 37, 835-841.	2.3	11
46	Influence of temperature on the colloidal processing of electrostatically stabilised alumina suspensions. Journal of Materials Processing Technology, 2003, 137, 102-109.	3.1	10
47	Effective production of multifunctional magnetic-sensitive biomaterial by an extrusion-based additive manufacturing technique. Biomedical Materials (Bristol), 2021, 16, 015011.	1.7	10
48	Hydrolysis-Induced Aqueous Gelcasting of Magnesium Aluminate Spinel. International Journal of Applied Ceramic Technology, 2011, 8, 873-884.	1.1	8
49	Flexural strength of 3Y-TZP bioceramics obtained by direct write assembly as function of residual connected-porosity. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 126, 105035.	1.5	7
50	Thermodynamic Studies on the AlN Sintering Powders Treated With Phosphate Species. Journal of the American Ceramic Society, 2007, 90, 3589-3595.	1.9	6
51	Influence of processing route and SiO₂on sintering ability, CTE, and dielectric constant of Î²-Si₄Al₂O₂N₆. Journal of Materials Research, 2008, 23, 2305-2311.	1.2	5
52	Biotoxicity study of bone cement based on a functionalised multi-walled carbon nanotube-reinforced PMMA/HAp nanocomposite. International Journal of Nano and Biomaterials, 2009, 2, 442.	0.1	5
53	Influence of shear intensity during slip preparation on rheological characteristics of calcium carbonate suspensions. Ceramics International, 2003, 29, 365-370.	2.3	4
54	Preventing hydrolysis of BaTiO3 powders during aqueous processing and of bulk ceramics after sintering. Journal of the European Ceramic Society, 2015, 35, 2471-2478.	2.8	4

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55	Reactive Sintering of Al2O3â€“Y3Al5O12 Ceramic Composites Obtained by Direct Ink Writing. Ceramics, 2022, 5, 1-12.	1.0	3
56	Effect of Aging Time on the Stability of Aqueous Yâ€Î±â€SiAlON Precursor Powder Suspensions. Journal of the American Ceramic Society, 2010, 93, 1608-1613.	1.9	0
57	Structural Performance of Dense Alumina-Zirconia Ceramics: An Overview of Conventional versus Additive Manufacturing. , 2022, 8, .		0
58	Microstructural Modelling of the Thermoelastic Properties of Dense ZTA Ceramics. , 2022, 8, .		0
59	Multifunctional Sintering-Free Composite Scaffolds Developed by Additive Manufacturing. , 0, , .		0
60	Si3N4 Parts Fabricated by Robocasting: Proof of Concept. , 0, , .		0