Giovanni Maizza

List of Publications by Year
in descending order

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30	1,062	567281 15	501196 28
papers	citations	h-index	g-index

30	30	30	1145
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electric current activated/assisted sintering (ECAS): a review of patents 1906â€“2008. Science and Technology of Advanced Materials, 2009, 10, 053001.	6.1	357
2	Highly Transparent Pure Alumina Fabricated by Highâ€Pressure Spark Plasma Sintering. Journal of the American Ceramic Society, 2010, 93, 2460-2462.	3.8	85
3	Enhanced thermoelectric performance of porous magnesium tin silicide prepared using pressure-less spark plasma sintering. Journal of Materials Chemistry A, 2015, 3, 17426-17432.	10.3	84
4	Relation between microstructure, properties and spark plasma sintering (SPS) parameters of pure ultrafine WC powder. Science and Technology of Advanced Materials, 2007, 8, 644-654.	6.1	73
5	Effects of Pressure Application Method on Transparency of Spark Plasma Sintered Alumina. Journal of the American Ceramic Society, 2011, 94, 1405-1409.	3.8	65
6	Moving finite-element mesh model for aiding spark plasma sintering in current control mode of pure ultrafine WC powder. Journal of Materials Science, 2009, 44, 1219-1236.	3.7	59
7	Continuous dynamic recrystallization (CDRX) model for aluminum alloys. Journal of Materials Science, 2018, 53, 4563-4573.	3.7	50
8	Lowâ€Temperature Spark Plasma Sintering of Pure Nano <scp>WC</scp> Powder. Journal of the American Ceramic Society, 2013, 96, 1702-1705.	3.8	38
9	Pressure Effect on the Homogeneity of Spark Plasmaâ€Sintered Tungsten Carbide Powder. Journal of the American Ceramic Society, 2009, 92, 2418-2421.	3.8	36
10	Spark Plasma Sintering of Diamond Binderless <scp>WC</scp> Composites. Journal of the American Ceramic Society, 2012, 95, 2423-2428.	3.8	27
11	Measurement of elastic modulus by instrumented indentation in the macro-range: Uncertainty evaluation. International Journal of Mechanical Sciences, 2015, 101-102, 161-169.	6.7	27
12	Densification of AISI M2 high speed steel by means of capacitor discharge sintering (CDS). Journal of Materials Processing Technology, 2008, 202, 70-75.	6.3	26
13	Peltier effect during spark plasma sintering (SPS) of thermoelectric materials. Journal of Materials Science, 2017, 52, 10341-10352.	3.7	20
14	Heating rate dependence of anatase to rutile transformation. Processing and Application of Ceramics, 2016, 10, 235-241.	0.8	19
15	Correlation Between the Indentation Properties and Microstructure of Dissimilar Capacitor Discharge Welded WC-Co/High-Speed Steel Joints. Materials, 2020, 13, 2657.	2.9	18
16	A high gravity chemical vapor deposition apparatus. Review of Scientific Instruments, 1997, 68, 4225-4231.	1.3	16
17	Micro-Macro Relationship between Microstructure, Porosity, Mechanical Properties, and Build Mode Parameters of a Selective-Electron-Beam-Melted Ti-6Al-4V Alloy. Metals, 2019, 9, 786.	2.3	14
18	Nano-Indentation Properties of Tungsten Carbide-Cobalt Composites as a Function of Tungsten Carbide Crystal Orientation. Materials, 2020, 13, 2137.	2.9	12

#	Article	IF	Citations
19	Study of steelâ€WC interface produced by solidâ€state capacitor discharge interâ€welding. Surface and Interface Analysis, 2016, 48, 538-542.	1.8	10
20	Diamond synthesis by high-gravity d.c. plasma cvd (hgcvd) with active control of the substrate temperature. Acta Astronautica, 2001, 48, 121-127.	3.2	6
21	Microâ€“Macro Analysis of Capacitor Discharge Sintering in Copperâ€“Diamond Bead. Journal of the American Ceramic Society, 2015, 98, 3538-3546.	3.8	6
22	Mechanical and fracture behaviour of the three-scale hierarchy structure in As-deposited and annealed nanocrystalline electrodeposited Niâ€“Fe alloys. Journal of Materials Science, 2019, 54, 13378-13393.	3.7	4
23	Simulation Practice of Powder Injection Molding. Advanced Engineering Materials, 2001, 3, 253-258.	3.5	2
24	In situ plasma diagnostics study by means of optical emission spectroscopy for diamond chemical vapor deposition under high gravity conditions. Review of Scientific Instruments, 2003, 74, 4458-4461.	1.3	2
25	Wireless optical diagnostic apparatus for analyzing diamond thin film CVD process under high gravity conditions. Diamond and Related Materials, 2004, 13, 2063-2070.	3.9	2
26	Multiphysics Design of an Automotive Regenerative Eddy Current Damper. Energies, 2022, 15, 5044.	3.1	2
27	Simulation of Solid State Sintering through FE Modeling for the Optimum Design of 3D Parts. Advanced Engineering Materials, 2004, 6, 952-957.	3.5	1
28	Optical emission spectroscopic study for diagnostics in high gravity DC-plasma CVD diamond growth. Microgravity Science and Technology, 2006, 18, 178-183.	1.4	1
29	Surface phenomena during the early stage of liquid phase SPS of a mixture of coarse WC and Niâ€alloy particles. Surface and Interface Analysis, 2018, 50, 1072-1076.	1.8	0
30	Correlation between the bath composition and nanoporosity of DCâ€electrodeposited Niâ€Fe alloy. Surface and Interface Analysis, 2020, 52, 907-913.	1.8	0