Zoran S NikoliÄ

List of Publications by Year
in descending order

20	167	1478505 6	1125743 13
papers	citations	h-index	g-index

23	23	23	146
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Mathematical Model for Simulation of Intergranular Î¼-Capacitance as a Function of Neck Growth in Ceramic Sintering. Springer Optimization and Its Applications, 2020, , 403-420.	0.9	4
2	Computer Simulation of Liquid Redistribution Induced by Rearrangement During Liquid Phase Sintering. , 2017, , 357-373.		0
3	Capillary liquid bridge and grain coarsening during liquid phase sintering. Science of Sintering, 2017, 49, 1-10.	1.4	1
4	Theoretical study of skeletal structure evolution under topological constraints during sintering. Mathematical and Computer Modelling, 2013, 57, 1060-1069.	2.0	2
5	Three-dimensional computer study of rearrangement during liquid phase sintering. Mathematical and Computer Modelling, 2012, 55, 1251-1262.	2.0	7
6	A three-dimensional computer study of gravity induced skeletal structure evolution during liquid phase sintering. Mathematical and Computer Modelling, 2012, 55, 1825-1832.	2.0	6
7	Three-dimensional computer simulation of grain coarsening during sintering. Science of Sintering, 2012, 44, 3-15.	1.4	2
8	Three-dimensional computer simulation of time-dependent skeletal structure evolution during liquid phase sintering. IOP Conference Series: Materials Science and Engineering, 2011, 18, 022003.	0.6	0
9	Computer study of liquid phase sintering - three-dimensional time dependent rearrangement. IOP Conference Series: Materials Science and Engineering, 2011, 18, 022004.	0.6	0
10	Effect of grain boundary sliding on shear viscosity and viscous Poissonâ€™s ratio in macroscopic shrinkage during sintering. Acta Materialia, 2011, 59, 774-784.	7.9	22
11	Numerical simulation of pore evolution during liquid-phase sintering. Mathematical and Computer Modelling, 2010, 51, 1140-1145.	2.0	3
12	Numerical simulation of gravity induced skeletal settling during liquid-phase sintering. Mathematical and Computer Modelling, 2010, 51, 1146-1153.	2.0	5
13	Influence of Rareâ€Earth Dopants on Barium Titanate Ceramics Microstructure and Corresponding Electrical Properties. Journal of the American Ceramic Society, 2010, 93, 132-137.	3.8	87
14	Computer simulation of rapid solidification with undercooling: A case study of spherical ceramics sample on metallic substrate. Science of Sintering, 2010, 42, 33-43.	1.4	0
15	Numerical Method for Computer Study of Liquid Phase Sintering: Densification Due to Gravity-Induced Skeletal Settling. Springer Optimization and Its Applications, 2010, , 409-424.	0.9	0
16	Lattice energy calculation for quantitatively-modeled Perovskite distortion. Solid State Ionics, 2009, 180, 475-479.	2.7	8
17	Numerical simulation of rapid solidification of a spherical sample on a metallic substrate. Journal of Materials Science, 2007, 42, 7729-7737.	3.7	1
18	Simulation of intergranular impedance as a function of diffusion processes. Journal of Materials Science: Materials in Electronics, 2002, 13, 743-749.	2.2	1

#	ARTICLE	IF	CITATIONS
19	Basic, extended and combined models for computer simulation of liquid phase sintering. Science of Sintering, 2002, 34, 41-51.	1.4	6
20	Computer simulation of chemically driven grain growth during liquid phase sintering. Acta Metallurgica, 1980, 28, 475-479.	2.1	12