

# Zoran S NikoliÄ

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1054432/publications.pdf>

Version: 2024-02-01

20  
papers

167  
citations

1478505

6  
h-index

1125743

13  
g-index

23  
all docs

23  
docs citations

23  
times ranked

146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Rare-Earth Dopants on Barium Titanate Ceramics Microstructure and Corresponding Electrical Properties. <i>Journal of the American Ceramic Society</i> , 2010, 93, 132-137.	3.8	87
2	Effect of grain boundary sliding on shear viscosity and viscous Poisson's ratio in macroscopic shrinkage during sintering. <i>Acta Materialia</i> , 2011, 59, 774-784.	7.9	22
3	Computer simulation of chemically driven grain growth during liquid phase sintering. <i>Acta Metallurgica</i> , 1980, 28, 475-479.	2.1	12
4	Lattice energy calculation for quantitatively-modeled Perovskite distortion. <i>Solid State Ionics</i> , 2009, 180, 475-479.	2.7	8
5	Three-dimensional computer study of rearrangement during liquid phase sintering. <i>Mathematical and Computer Modelling</i> , 2012, 55, 1251-1262.	2.0	7
6	A three-dimensional computer study of gravity induced skeletal structure evolution during liquid phase sintering. <i>Mathematical and Computer Modelling</i> , 2012, 55, 1825-1832.	2.0	6
7	Basic, extended and combined models for computer simulation of liquid phase sintering. <i>Science of Sintering</i> , 2002, 34, 41-51.	1.4	6
8	Numerical simulation of gravity induced skeletal settling during liquid-phase sintering. <i>Mathematical and Computer Modelling</i> , 2010, 51, 1146-1153.	2.0	5
9	A Mathematical Model for Simulation of Intergranular $\frac{1}{4}$ -Capacitance as a Function of Neck Growth in Ceramic Sintering. <i>Springer Optimization and Its Applications</i> , 2020, , 403-420.	0.9	4
10	Numerical simulation of pore evolution during liquid-phase sintering. <i>Mathematical and Computer Modelling</i> , 2010, 51, 1140-1145.	2.0	3
11	Theoretical study of skeletal structure evolution under topological constraints during sintering. <i>Mathematical and Computer Modelling</i> , 2013, 57, 1060-1069.	2.0	2
12	Three-dimensional computer simulation of grain coarsening during sintering. <i>Science of Sintering</i> , 2012, 44, 3-15.	1.4	2
13	Simulation of intergranular impedance as a function of diffusion processes. <i>Journal of Materials Science: Materials in Electronics</i> , 2002, 13, 743-749.	2.2	1
14	Numerical simulation of rapid solidification of a spherical sample on a metallic substrate. <i>Journal of Materials Science</i> , 2007, 42, 7729-7737.	3.7	1
15	Capillary liquid bridge and grain coarsening during liquid phase sintering. <i>Science of Sintering</i> , 2017, 49, 1-10.	1.4	1
16	Three-dimensional computer simulation of time-dependent skeletal structure evolution during liquid phase sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 022003.	0.6	0
17	Computer study of liquid phase sintering - three-dimensional time dependent rearrangement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 022004.	0.6	0
18	Computer simulation of rapid solidification with undercooling: A case study of spherical ceramics sample on metallic substrate. <i>Science of Sintering</i> , 2010, 42, 33-43.	1.4	0

#	ARTICLE	IF	CITATIONS
19	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
20	Computer Simulation of Liquid Redistribution Induced by Rearrangement During Liquid Phase Sintering. , 2017, , 357-373.		0