

Seung-Jae Moon

List of Publications by Year in descending order

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31
papers

405
citations

933447

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794594

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31
all docs

31
docs citations

31
times ranked

388
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature Estimation during Pulsed Laser Sintering of Silver Nanoparticles. Applied Sciences (Switzerland), 2022, 12, 3467.	2.5	10
2	Machining characteristics of glass substrates containing chemical components in femtosecond laser helical drilling. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 375-385.	4.9	9
3	Stepwise Current Increment Sintering of Silver Nanoparticle Structures. Crystals, 2021, 11, 1264.	2.2	8
4	The Effect of Current Supply Duration during Stepwise Electrical Sintering of Silver Nanoparticles. Metals, 2021, 11, 1878.	2.3	8
5	Development of wall-thinning evaluation procedure for nuclear power plant piping - Part 2: Local wall-thinning estimation method. Nuclear Engineering and Technology, 2020, 52, 2119-2129.	2.3	3
6	Temperature effect on physical properties and surface morphology of printed silver ink during continuous laser scanning sintering. International Journal of Heat and Mass Transfer, 2017, 108, 1960-1968.	4.8	20
7	Determining the machining parameters for femtosecond laser helical drilling of aluminosilicate glass substrate. International Journal of Precision Engineering and Manufacturing, 2017, 18, 923-930.	2.2	10
8	Effect of the chemical composition on the ablation characteristics of glass substrates in femtosecond laser machining. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1495-1499.	2.2	5
9	Development of Wall-Thinning Evaluation Procedure for Nuclear Power Plant Piping Part 1: Quantification of Thickness Measurement Deviation. Nuclear Engineering and Technology, 2016, 48, 820-830.	2.3	11
10	Electrical Property and Surface Morphology of Silver Nanoparticles After Thermal Sintering. Journal of Electronic Materials, 2016, 45, 312-321.	2.2	29
11	Thermal conductivity estimation of inkjet-printed silver nanoparticle ink during continuous wave laser sintering. International Journal of Heat and Mass Transfer, 2015, 85, 904-909.	4.8	61
12	Laser wavelength effect on laser-induced photo-thermal sintering of silver nanoparticles. Applied Physics A: Materials Science and Processing, 2015, 120, 1229-1240.	2.3	56
13	Effect of Thickness on Surface Morphology of Silver Nanoparticle Layer During Furnace Sintering. Journal of Electronic Materials, 2015, 44, 1192-1199.	2.2	41
14	FEASIBILITY OF ICE-SLURRY APPLICATION TO THE DISTRICT COOLING SYSTEM IN KOREA. International Journal of Air-Conditioning and Refrigeration, 2014, 22, 1450018.	0.7	7
15	Transient variation of a cross-sectional area of inkjet-printed silver nanoparticle ink during furnace sintering. Applied Surface Science, 2014, 305, 453-458.	6.1	10
16	Stepwise current electrical sintering method for inkjet-printed conductive ink. Japanese Journal of Applied Physics, 2014, 53, 05HC07.	1.5	6
17	Effect of Laser Intensity on the Characteristic of Inkjet-Printed Silver Nanoparticles During Continuous Laser Sintering. Journal of Nanoscience and Nanotechnology, 2014, 14, 8631-8635.	0.9	8
18	Effect of temperature on electrical conductance of inkjet-printed silver nanoparticle ink during continuous wave laser sintering. Thin Solid Films, 2013, 546, 443-447.	1.8	23

#	ARTICLE	IF	CITATIONS
19	Estimation of Thermal Conductivity of Amorphous Silicon Thin Films from the Optical Reflectivity Measurement. Journal of Nanoscience and Nanotechnology, 2013, 13, 6362-6366.	0.9	7
20	The Effect of Temperature on the Electrical Properties of Inkjet-Printed Silver Nanoparticle Ink During Electrical Sintering. Journal of Nanoscience and Nanotechnology, 2013, 13, 6174-6178.	0.9	6
21	The Characteristic Variations of Inkjet-Printed Silver Nanoparticle Ink During Furnace Sintering. Journal of Nanoscience and Nanotechnology, 2013, 13, 6145-6149.	0.9	15
22	Effects of irradiation conditions on the lateral grain growth during laser crystallization of amorphous silicon films on borosilicate glass substrates. Applied Physics A: Materials Science and Processing, 2011, 104, 851-855.	2.3	2
23	Modeling and Simulation of Multi-Cylinder Paper Drying Processes. Journal of Chemical Engineering of Japan, 2011, 44, 437-446.	0.6	2
24	Impurity effects on the laser-induced crystallization of thin amorphous silicon film on glass substrate. Applied Physics A: Materials Science and Processing, 2010, 101, 671-675.	2.3	6
25	Laser sintering of inkjet-printed silver nanoparticles on glass and PET substrates. , 2010, , .		6
26	Laser Curing of the Silver/Copper Nanoparticle Ink via Optical Property Measurement and Calculation. Japanese Journal of Applied Physics, 2010, 49, 05EA09.	1.5	10
27	A STUDY ON THE FAN EFFICIENCY DECREASE ON THE BACKWARD FLOW IN AN AXIAL FAN WITH ADJUSTABLE PITCH BLADE. International Journal of Air-Conditioning and Refrigeration, 2010, 18, 101-107.	0.7	2
28	Laser sintering of the printed silver ink. , 2009, , .		7
29	Study on the reentering rates of individual cooling towers installed on a building roof. Heat and Mass Transfer, 2008, 44, 1345-1353.	2.1	3
30	Thermal reliability analysis of a BLDC motor in a high-speed axial fan by the accelerated-life test and numerical methods. Heat and Mass Transfer, 2008, 44, 1355-1369.	2.1	4
31	Optimal Design of a Parallel-Flow Heat Exchanger Using a Response Surface Methodology. Numerical Heat Transfer; Part A: Applications, 2006, 49, 411-426.	2.1	10