

Seung-Jae Moon

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

405
citations

933447

10
h-index

794594

19
g-index

31
all docs

31
docs citations

31
times ranked

388
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity estimation of inkjet-printed silver nanoparticle ink during continuous wave laser sintering. <i>International Journal of Heat and Mass Transfer</i> , 2015, 85, 904-909.	4.8	61
2	Laser wavelength effect on laser-induced photo-thermal sintering of silver nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 1229-1240.	2.3	56
3	Effect of Thickness on Surface Morphology of Silver Nanoparticle Layer During Furnace Sintering. <i>Journal of Electronic Materials</i> , 2015, 44, 1192-1199.	2.2	41
4	Electrical Property and Surface Morphology of Silver Nanoparticles After Thermal Sintering. <i>Journal of Electronic Materials</i> , 2016, 45, 312-321.	2.2	29
5	Effect of temperature on electrical conductance of inkjet-printed silver nanoparticle ink during continuous wave laser sintering. <i>Thin Solid Films</i> , 2013, 546, 443-447.	1.8	23
6	Temperature effect on physical properties and surface morphology of printed silver ink during continuous laser scanning sintering. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 1960-1968.	4.8	20
7	The Characteristic Variations of Inkjet-Printed Silver Nanoparticle Ink During Furnace Sintering. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6145-6149.	0.9	15
8	Development of Wall-Thinning Evaluation Procedure for Nuclear Power Plant Piping Part 1: Quantification of Thickness Measurement Deviation. <i>Nuclear Engineering and Technology</i> , 2016, 48, 820-830.	2.3	11
9	Optimal Design of a Parallel-Flow Heat Exchanger Using a Response Surface Methodology. <i>Numerical Heat Transfer; Part A: Applications</i> , 2006, 49, 411-426.	2.1	10
10	Laser Curing of the Silver/Copper Nanoparticle Ink via Optical Property Measurement and Calculation. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 05EA09.	1.5	10
11	Transient variation of a cross-sectional area of inkjet-printed silver nanoparticle ink during furnace sintering. <i>Applied Surface Science</i> , 2014, 305, 453-458.	6.1	10
12	Determining the machining parameters for femtosecond laser helical drilling of aluminosilicate glass substrate. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 923-930.	2.2	10
13	Temperature Estimation during Pulsed Laser Sintering of Silver Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3467.	2.5	10
14	Machining characteristics of glass substrates containing chemical components in femtosecond laser helical drilling. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 375-385.	4.9	9
15	Effect of Laser Intensity on the Characteristic of Inkjet-Printed Silver Nanoparticles During Continuous Laser Sintering. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8631-8635.	0.9	8
16	Stepwise Current Increment Sintering of Silver Nanoparticle Structures. <i>Crystals</i> , 2021, 11, 1264.	2.2	8
17	The Effect of Current Supply Duration during Stepwise Electrical Sintering of Silver Nanoparticles. <i>Metals</i> , 2021, 11, 1878.	2.3	8
18	Laser sintering of the printed silver ink. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
19	Estimation of Thermal Conductivity of Amorphous Silicon Thin Films from the Optical Reflectivity Measurement. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6362-6366.	0.9	7
20	FEASIBILITY OF ICE-SLURRY APPLICATION TO THE DISTRICT COOLING SYSTEM IN KOREA. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2014, 22, 1450018.	0.7	7
21	Impurity effects on the laser-induced crystallization of thin amorphous silicon film on glass substrate. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 671-675.	2.3	6
22	Laser sintering of inkjet-printed silver nanoparticles on glass and PET substrates. , 2010, , .		6
23	The Effect of Temperature on the Electrical Properties of Inkjet-Printed Silver Nanoparticle Ink During Electrical Sintering. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6174-6178.	0.9	6
24	Stepwise current electrical sintering method for inkjet-printed conductive ink. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05HC07.	1.5	6
25	Effect of the chemical composition on the ablation characteristics of glass substrates in femtosecond laser machining. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 1495-1499.	2.2	5
26	Thermal reliability analysis of a BLDC motor in a high-speed axial fan by the accelerated-life test and numerical methods. <i>Heat and Mass Transfer</i> , 2008, 44, 1355-1369.	2.1	4
27	Study on the reentering rates of individual cooling towers installed on a building roof. <i>Heat and Mass Transfer</i> , 2008, 44, 1345-1353.	2.1	3
28	Development of wall-thinning evaluation procedure for nuclear power plant piping - Part 2: Local wall-thinning estimation method. <i>Nuclear Engineering and Technology</i> , 2020, 52, 2119-2129.	2.3	3
29	A STUDY ON THE FAN EFFICIENCY DECREASE ON THE BACKWARD FLOW IN AN AXIAL FAN WITH ADJUSTABLE PITCH BLADE. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2010, 18, 101-107.	0.7	2
30	Effects of irradiation conditions on the lateral grain growth during laser crystallization of amorphous silicon films on borosilicate glass substrates. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 851-855.	2.3	2
31	Modeling and Simulation of Multi-Cylinder Paper Drying Processes. <i>Journal of Chemical Engineering of Japan</i> , 2011, 44, 437-446.	0.6	2