Rapid Pulsed Light Sintering of Silver Nanowires on Wo thermal management with enhanced performance, dur

Scientific Reports

8, 17159

DOI: 10.1038/s41598-018-35650-7

Citation Report

#	Article	IF	Citations
1	Towards out-of-chamber damage-free fabrication of highly conductive nanoparticle-based circuits inside 3D printed thermally sensitive polymers. Additive Manufacturing, 2019, 30, 100886.	1.7	13
2	Understanding the role of Nanomorphology on Resistance Evolution in the Hybrid Form-Fuse Process for Conformal Electronics. Journal of Manufacturing Processes, 2020, 58, 1088-1102.	2.8	12
3	Laser-induced Joining of Nanoscale Materials: Processing, Properties, and Applications. Nano Today, 2020, 35, 100959.	6.2	25
4	Programmed Ultrafast Scan Welding of Cu Nanowire Networks with a Pulsed Ultraviolet Laser Beam for Transparent Conductive Electrodes and Flexible Circuits. ACS Applied Materials & Interfaces, 2020, 12, 35211-35221.	4.0	18
5	Nanoparticle circuits inside elastomers for flexible electronics: High conductivity under cyclic deformation. Manufacturing Letters, 2020, 26, 37-41.	1.1	3
6	Light induced morphological reforms in thin film of advanced nano-materials for energy generation: A review. Optics and Laser Technology, 2020, 129, 106284.	2.2	9
7	Functional Fibers, Composites and Textiles Utilizing Photothermal and Joule Heating. Polymers, 2020, 12, 189.	2.0	36
8	A Review on Intense Pulsed Light Sintering Technologies for Conductive Electrodes in Printed Electronics. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 327-363.	2.7	38
9	Vapor phase polymerized conducting polymer/MXene textiles for wearable electronics. Nanoscale, 2021, 13, 1832-1841.	2.8	101
10	Inkjet Printing and In-Situ Crystallization of Biopigments for Eco-Friendly and Energy-Efficient Fabric Coloration. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 941-953.	2.7	4
11	A Review on Printed Electronics: Fabrication Methods, Inks, Substrates, Applications and Environmental Impacts. Journal of Manufacturing and Materials Processing, 2021, 5, 89.	1.0	77
12	Silver nanowires decorated recycled cigarette filters based epoxy composites with high through-plane thermal conductivity and efficient electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106485.	3.8	17
13	Multilayered graphene/boron nitride/thermoplastic polyurethane composite films with high thermal conductivity, stretchability, and washability for adjustable-cooling smart clothes. Journal of Colloid and Interface Science, 2021, 599, 611-619.	5.0	43
14	All solution-processed silver nanowires composite silica nanospheres antireflection structure with synergetic optoelectronic performance. New Journal of Chemistry, 2021, 45, 15215-15222.	1.4	1
15	Photo-Sintered Silver Thin Films by a High-Power UV-LED Module for Flexible Electronic Applications. Nanomaterials, 2021, 11, 2840.	1.9	7
16	Multiscale Modeling of Sintering-Driven Conductivity in Large Nanowire Ensembles. ACS Applied Materials & Interfaces, 2021, 13, 56645-56654.	4.0	3
17	Recrystallized Perovskite Thin Film via Intense Pulse Light Sintering for Vertical Gradient Band Gap Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 14240-14248.	2.5	1
18	High-performance silver nanowires transparent conductive electrodes fabricated using manufacturing-ready high-speed photonic sinterization solutions. Scientific Reports, 2021, 11, 24156.	1.6	10

#	Article	IF	Citations
20	Highly stretchable and robust transparent conductive polymer composites for multifunctional healthcare monitoring. Science and Technology of Advanced Materials, 2022, 23, 332-340.	2.8	5
21	Thermal management and control of wearable devices. IScience, 2022, 25, 104587.	1.9	13
22	Flash light assisted additive manufacturing of 3D structural electronics (FLAME). Journal of Manufacturing Processes, 2022, 82, 319-335.	2.8	5
23	Post-treatment for Printed Electronics. , 2022, , 290-326.		0