Hyun-Jun Hwang

List of Publications by Year
in descending order

25 papers	955 citations	471061 17 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	1200 citing authors

#	Article	IF	Citations
1	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
2	Tuning electronic and photocatalytic properties in pulsed light synthesis of Cu2ZnSnS4 films from CuS-ZnS-SnS nanoparticles. Materials Research Bulletin, 2020, 122, 110645.	2.7	15
3	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
4	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
5	Ultra-High-Speed Intense Pulsed-Light Irradiation Technique for High-Performance Zinc Oxynitride Thin-Film Transistors. ACS Applied Materials & Interfaces, 2019, 11, 4152-4158.	4.0	18
6	Shape-Tuned Junction Resistivity and Self-Damping Dynamics in Intense Pulsed Light Sintering of Silver Nanostructure Films. ACS Applied Materials & Interfaces, 2019, 11, 3536-3546.	4.0	27
7	Rapid surface kinetics enhancement via flash light sintering for low-temperature solid oxide fuel cells. Journal of Alloys and Compounds, 2019, 778, 337-344.	2.8	7
8	Rapid Pulsed Light Sintering of Silver Nanowires on Woven Polyester for personal thermal management with enhanced performance, durability and cost-effectiveness. Scientific Reports, 2018, 8, 17159.	1.6	24
9	Selective Wavelength Plasmonic Flash Light Welding of Silver Nanowires for Transparent Electrodes with High Conductivity. ACS Applied Materials & Interfaces, 2018, 10, 24099-24107.	4.0	67
10	Multi-pulsed flash light sintering of copper nanoparticle pastes on silicon wafer for highly-conductive copper electrodes in crystalline silicon solar cells. Applied Surface Science, 2018, 462, 378-386.	3.1	19
11	Photonic sintering of a ZnO nanosheet photoanode using flash white light combined with deep UV irradiation for dye-sensitized solar cells. RSC Advances, 2017, 7, 6565-6573.	1.7	24
12	Efficiency enhancement in dye-sensitized solar cells using the shape/size-dependent plasmonic nanocomposite photoanodes incorporating silver nanoplates. Nanoscale, 2017, 9, 7960-7969.	2.8	35
13	Effect of copper oxide shell thickness on flash light sintering of copper nanoparticle ink. RSC Advances, 2017, 7, 17724-17731.	1.7	27
14	Photonic sintering via flash white light combined with deep UV and NIR for SrTiO₃ thin film vibration touch panel applications. Nanotechnology, 2016, 27, 505209.	1.3	3
15	All-photonic drying and sintering process via flash white light combined with deep-UV and near-infrared irradiation for highly conductive copper nano-ink. Scientific Reports, 2016, 6, 19696.	1.6	89
16	Prediction of biceps muscle fatigue and force using electromyography signal analysis for repeated isokinetic dumbbell curl exercise. Journal of Mechanical Science and Technology, 2016, 30, 5329-5336.	0.7	19
17	In vivo stiffness measurement and in silico stiffness prediction of biceps brachii muscle using an isometric contraction exercise. Journal of Mechanical Science and Technology, 2016, 30, 2881-2889.	0.7	1
18	Photonic welding of ultra-long copper nanowire network for flexible transparent electrodes using white flash light sintering. RSC Advances, 2016, 6, 4770-4779.	1.7	61

#	Article	IF	Citations
19	Flash light sintered copper precursor/nanoparticle pattern with high electrical conductivity and low porosity for printed electronics. Thin Solid Films, 2015, 580, 61-70.	0.8	57
20	Ultra-High Speed Fabrication of TiO₂ Photoanode by Flash Light for Dye-Sensitized Solar Cell. Journal of Nanoscience and Nanotechnology, 2015, 15, 5028-5034.	0.9	18
21	Copper Nanoparticle/Multiwalled Carbon Nanotube Composite Films with High Electrical Conductivity and Fatigue Resistance Fabricated via Flash Light Sintering. ACS Applied Materials & Interfaces, 2015, 7, 25413-25423.	4.0	64
22	TiO₂/silver/carbon nanotube nanocomposite working electrodes for high-performance dye-sensitized solar cells. Journal of Composite Materials, 2014, 48, 1679-1690.	1.2	6
23	Highly conductive copper nano/microparticles ink via flash light sintering for printed electronics. Nanotechnology, 2014, 25, 265601.	1.3	121
24	In situmonitoring of a flash light sintering process using silver nano-ink for producing flexible electronics. Nanotechnology, 2013, 24, 035202.	1.3	98
25	In situmonitoring of flash-light sintering of copper nanoparticle ink for printed electronics. Nanotechnology, 2012, 23, 485205.	1.3	126