

Peng-Kai Kao

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

327
citations

933447

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388
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Atmospheric Pressure Plasma Jet Processed Reduced Graphene Oxide Counter Electrodes for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15105-15112.	8.0	71
2	Dye-sensitized solar cells with nanoporous TiO ₂ photoanodes sintered by N ₂ and air atmospheric pressure plasma jets with/without air-quenching. <i>Journal of Power Sources</i> , 2014, 251, 215-221.	7.8	50
3	One-step rapid fabrication of paper-based microfluidic devices using fluorocarbon plasma polymerization. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 811-818.	2.2	37
4	Rapid Atmospheric-Pressure-Plasma-Jet Processed Porous Materials for Energy Harvesting and Storage Devices. <i>Coatings</i> , 2015, 5, 26-38.	2.6	31
5	Battery-Operated, Portable, and Flexible Air Microplasma Generation Device for Fabrication of Microfluidic Paper-Based Analytical Devices on Demand. <i>Analytical Chemistry</i> , 2014, 86, 8757-8762.	6.5	29
6	Influence of rapid-thermal-annealing temperature on properties of rf-sputtered SnO _x thin films. <i>Applied Surface Science</i> , 2015, 327, 358-363.	6.1	27
7	Atmospheric Pressure Plasma Jet-Assisted Synthesis of Zeolite-Based Low- <i>k</i> Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 900-908.	8.0	16
8	Microstructure and elasticity of dilute gels of colloidal discoids. <i>Soft Matter</i> , 2022, 18, 1350-1363.	2.7	14
9	Influence of Ca/Al Ratio on Properties of Amorphous/Nanocrystalline Cu-Al-Ca-O Thin Films. <i>Journal of the American Ceramic Society</i> , 2015, 98, 125-129.	3.8	13
10	Anisotropy effects on the kinetics of colloidal crystallization and melting: comparison of spheres and ellipsoids. <i>Soft Matter</i> , 2019, 15, 7479-7489.	2.7	13
11	Optoelectronic properties of infrared rapid-thermal-annealed SnO _x thin films. <i>Ceramics International</i> , 2015, 41, 13502-13508.	4.8	8
12	A Low-Cost and Flexible Microplasma Generation Device to Create Hydrophobic/Hydrophilic Contrast on Nonflat Surfaces. <i>Journal of Microelectromechanical Systems</i> , 2015, 24, 1678-1680.	2.5	6
13	Nitrogen Atmospheric-Pressure-Plasma-Jet Induced Oxidation of SnO _x Thin Films. <i>Plasma Chemistry and Plasma Processing</i> , 2015, 35, 979-991.	2.4	5
14	Accelerated annealing of colloidal crystal monolayers by means of cyclically applied electric fields. <i>Scientific Reports</i> , 2021, 11, 11042.	3.3	5
15	Oxidation of sputtered metallic Sn thin films using N ₂ atmospheric pressure plasma jets. <i>Materials Research Express</i> , 2015, 2, 016504.	1.6	2