Merce Pacios PujadÃ³

List of Publications by Year
in descending order

24 papers	1,581 citations	471509 17 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	3191 citing authors

#	Article	IF	Citations
1	Shape Evolution of Monolayer MoS₂ Crystals Grown by Chemical Vapor Deposition. Chemistry of Materials, 2014, 26, 6371-6379.	6.7	698
2	Controlled Preferential Oxidation of Grain Boundaries in Monolayer Tungsten Disulfide for Direct Optical Imaging. ACS Nano, 2015, 9, 3695-3703.	14.6	119
3	Additive nanomanufacturing â€“ A review. Journal of Materials Research, 2014, 29, 1792-1816.	2.6	112
4	Electrochemical behavior of rigid carbon nanotube composite electrodes. Journal of Electroanalytical Chemistry, 2008, 619-620, 117-124.	3.8	104
5	SiGe nanowire arrays based thermoelectric microgenerator. Nano Energy, 2019, 57, 492-499.	16.0	71
6	Substrate control for large area continuous films of monolayer MoS₂by atmospheric pressure chemical vapor deposition. Nanotechnology, 2016, 27, 085604.	2.6	69
7	Large-area and adaptable electrospun silicon-based thermoelectric nanomaterials with high energy conversion efficiencies. Nature Communications, 2018, 9, 4759.	12.8	62
8	Oligomeric aminoborane precursors for the chemical vapour deposition growth of few-layer hexagonal boron nitride. CrystEngComm, 2017, 19, 285-294.	2.6	41
9	Electroluminescence Dynamics across Grain Boundary Regions of Monolayer Tungsten Disulfide. ACS Nano, 2016, 10, 1093-1100.	14.6	31
10	Silicon-based nanostructures for integrated thermoelectric generators. Journal Physics D: Applied Physics, 2018, 51, 423001.	2.8	31
11	A Reusable Impedimetric Aptasensor for Detection of Thrombin Employing a Graphite-Epoxy Composite Electrode. Sensors, 2012, 12, 3037-3048.	3.8	28
12	Enhanced thermoelectric figure of merit of individual Si nanowires with ultralow contact resistances. Nano Energy, 2020, 67, 104191.	16.0	28
13	All-silicon thermoelectric micro/nanogenerator including a heat exchanger for harvesting applications. Journal of Power Sources, 2019, 413, 125-133.	7.8	27
14	Enhancing the electrochemical response of myoglobin with carbon nanotube electrodes. Nanotechnology, 2009, 20, 355502.	2.6	24
15	Transitioning from Si to SiGe Nanowires as Thermoelectric Material in Silicon-Based Microgenerators. Nanomaterials, 2021, 11, 517.	4.1	24
16	Real time protein recognition in a liquid-gated carbon nanotube field-effect transistor modified with aptamers. Nanoscale, 2012, 4, 5917.	5.6	23
17	Carbon Nanotubes and Electrochemistry. Zeitschrift Fur Physikalische Chemie, 2007, 221, 1161-1173.	2.8	17
18	Tin Selenide Molecular Precursor for the Solution Processing of Thermoelectric Materials and Devices. ACS Applied Materials & Interfaces, 2020, 12, 27104-27111.	8.0	15

#	Article	IF	Citations
19	A simple approach for DNA detection on carbon nanotube microelectrode arrays. Sensors and Actuators B: Chemical, 2012, 162, 120-127.	7.8	13
20	Insights into the enhancement of oxygen mass transport properties of strontium-doped lanthanum manganite interface-dominated thin films. Solid State Ionics, 2017, 299, 70-77.	2.7	11
21	Direct manufacturing of ultrathin graphite on three-dimensional nanoscale features. Scientific Reports, 2016, 6, 22700.	3.3	10
22	Thermal conductivity of individual Si and SiGe epitaxially integrated NWs by scanning thermal microscopy. Nanoscale, 2021, 13, 7252-7265.	5.6	10
23	Highly Sensitive Selfâ€Powered H₂ Sensor Based on Nanostructured Thermoelectric Silicon Fabrics. Advanced Materials Technologies, 2021, 6, .	5.8	9
24	Electrocatalyzed O₂ Response of Myoglobin Immobilized on Multi-Walled Carbon Nanotube Forest Electrodes. Journal of Nanoscience and Nanotechnology, 2009, 9, 6132-6138.	0.9	4