

Merce Pacios PujadÃ³

List of Publications by Year in descending order

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24
papers

1,581
citations

471509

17
h-index

610901

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all docs

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docs citations

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times ranked

3191
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Self-Powered H ₂ Sensor Based on Nanostructured Thermoelectric Silicon Fabrics. <i>Advanced Materials Technologies</i> , 2021, 6, .	5.8	9
2	Transitioning from Si to SiGe Nanowires as Thermoelectric Material in Silicon-Based Microgenerators. <i>Nanomaterials</i> , 2021, 11, 517.	4.1	24
3	Thermal conductivity of individual Si and SiGe epitaxially integrated NWs by scanning thermal microscopy. <i>Nanoscale</i> , 2021, 13, 7252-7265.	5.6	10
4	Enhanced thermoelectric figure of merit of individual Si nanowires with ultralow contact resistances. <i>Nano Energy</i> , 2020, 67, 104191.	16.0	28
5	Tin Selenide Molecular Precursor for the Solution Processing of Thermoelectric Materials and Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27104-27111.	8.0	15
6	All-silicon thermoelectric micro/nanogenerator including a heat exchanger for harvesting applications. <i>Journal of Power Sources</i> , 2019, 413, 125-133.	7.8	27
7	SiGe nanowire arrays based thermoelectric microgenerator. <i>Nano Energy</i> , 2019, 57, 492-499.	16.0	71
8	Large-area and adaptable electrospun silicon-based thermoelectric nanomaterials with high energy conversion efficiencies. <i>Nature Communications</i> , 2018, 9, 4759.	12.8	62
9	Silicon-based nanostructures for integrated thermoelectric generators. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 423001.	2.8	31
10	Oligomeric aminoborane precursors for the chemical vapour deposition growth of few-layer hexagonal boron nitride. <i>CrystEngComm</i> , 2017, 19, 285-294.	2.6	41
11	Insights into the enhancement of oxygen mass transport properties of strontium-doped lanthanum manganite interface-dominated thin films. <i>Solid State Ionics</i> , 2017, 299, 70-77.	2.7	11
12	Direct manufacturing of ultrathin graphite on three-dimensional nanoscale features. <i>Scientific Reports</i> , 2016, 6, 22700.	3.3	10
13	Substrate control for large area continuous films of monolayer MoS ₂ by atmospheric pressure chemical vapor deposition. <i>Nanotechnology</i> , 2016, 27, 085604.	2.6	69
14	Electroluminescence Dynamics across Grain Boundary Regions of Monolayer Tungsten Disulfide. <i>ACS Nano</i> , 2016, 10, 1093-1100.	14.6	31
15	Controlled Preferential Oxidation of Grain Boundaries in Monolayer Tungsten Disulfide for Direct Optical Imaging. <i>ACS Nano</i> , 2015, 9, 3695-3703.	14.6	119
16	Additive nanomanufacturing – A review. <i>Journal of Materials Research</i> , 2014, 29, 1792-1816.	2.6	112
17	Shape Evolution of Monolayer MoS ₂ Crystals Grown by Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2014, 26, 6371-6379.	6.7	698
18	Real time protein recognition in a liquid-gated carbon nanotube field-effect transistor modified with aptamers. <i>Nanoscale</i> , 2012, 4, 5917.	5.6	23

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19	A Reusable Impedimetric Aptasensor for Detection of Thrombin Employing a Graphite-Epoxy Composite Electrode. <i>Sensors</i> , 2012, 12, 3037-3048.	3.8	28
20	A simple approach for DNA detection on carbon nanotube microelectrode arrays. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 120-127.	7.8	13
21	Enhancing the electrochemical response of myoglobin with carbon nanotube electrodes. <i>Nanotechnology</i> , 2009, 20, 355502.	2.6	24
22	Electrocatalyzed O ₂ Response of Myoglobin Immobilized on Multi-Walled Carbon Nanotube Forest Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6132-6138.	0.9	4
23	Electrochemical behavior of rigid carbon nanotube composite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2008, 619-620, 117-124.	3.8	104
24	Carbon Nanotubes and Electrochemistry. <i>Zeitschrift Fur Physikalische Chemie</i> , 2007, 221, 1161-1173.	2.8	17