

# David Perez de Lara

## List of Publications by Citations

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19  
papers

979  
citations

13  
h-index

19  
g-index

19  
ext. papers

1,257  
ext. citations

9.3  
avg, IF

4.26  
L-index

#	Paper	IF	Citations
19	Recent progress in the assembly of nanodevices and van der Waals heterostructures by deterministic placement of 2D materials. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 53-68	58.5	312
18	Biaxial strain tuning of the optical properties of single-layer transition metal dichalcogenides. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	118
17	Thickness-Dependent Differential Reflectance Spectra of Monolayer and Few-Layer MoS <sub>2</sub> /MoSe <sub>2</sub> and WSe <sub>2</sub> . <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	106
16	A strain tunable single-layer MoS <sub>2</sub> photodetector. <i>Materials Today</i> , <b>2019</b> , 27, 8-13	21.8	91
15	Micro-reflectance and transmittance spectroscopy: a versatile and powerful tool to characterize 2D materials. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 074002	3	80
14	Polarization-Sensitive and Broadband Photodetection Based on a Mixed-Dimensionality TiS <sub>3</sub> /Si p-n Junction. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800351	8.1	42
13	Enhanced Visibility of MoS <sub>2</sub> , MoSe <sub>2</sub> , WSe <sub>2</sub> and Black-Phosphorus: Making Optical Identification of 2D Semiconductors Easier. <i>Electronics (Switzerland)</i> , <b>2015</b> , 4, 847-856	2.6	36
12	Gate tunable photovoltaic effect in MoS <sub>2</sub> vertical p-n homostructures. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 854-861	7.1	35
11	Highly responsive UV-photodetectors based on single electrospun TiO <sub>2</sub> nanofibres. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10707-10714	7.1	34
10	Characterization of highly crystalline lead iodide nanosheets prepared by room-temperature solution processing. <i>Nanotechnology</i> , <b>2017</b> , 28, 455703	3.4	33
9	Toward Air Stability of Thin GaSe Devices: Avoiding Environmental and Laser-Induced Degradation by Encapsulation. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1805304	15.6	31
8	Optical contrast and refractive index of natural van der Waals heterostructure nanosheets of franckeite. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 2357-2362	3	21
7	A Versatile Scanning Photocurrent Mapping System to Characterize Optoelectronic Devices based on 2D Materials. <i>Small Methods</i> , <b>2017</b> , 1, 1700119	12.8	15
6	High Throughput Characterization of Epitaxially Grown Single-Layer MoS <sub>2</sub> . <i>Electronics (Switzerland)</i> , <b>2017</b> , 6, 28	2.6	12
5	Lithography-free electrical transport measurements on 2D materials by direct microprobing. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11252-11258	7.1	6
4	Tunable Photodetectors via In Situ Thermal Conversion of TiS to TiO. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
3	Photodiodes based in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /single layer MoS <sub>2</sub> hybrid vertical heterostructures. <i>2D Materials</i> , <b>2017</b> , 4, 034002	5.9	2

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| 2 | Recent achievements on annular Josephson structures and their application as radiation detectors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2006</b> , 435, 118-124  | 1.3 | 1 |
| 1 | Fabrication and Properties of Longitudinal and Transverse Current Rectifier Devices Based on Superconducting Films With Arrays of Nanodefects. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 722-725 | 1.8 |   |