David Perez de Lara

List of Publications by Year
in descending order

19 papers	1,492 citations	623188 14 h-index	839053 18 g-index
19 all docs	19 docs citations	19 times ranked	3016 citing authors

#	Article	IF	Citations
1	Recent progress in the assembly of nanodevices and van der Waals heterostructures by deterministic placement of 2D materials. Chemical Society Reviews, 2018, 47, 53-68.	18.7	473
2	Biaxial strain tuning of the optical properties of single-layer transition metal dichalcogenides. Npj 2D Materials and Applications, 2017, 1, .	3.9	191
3	A strain tunable single-layer MoS2 photodetector. Materials Today, 2019, 27, 8-13.	8.3	161
4	Thickness-Dependent Differential Reflectance Spectra of Monolayer and Few-Layer MoS2, MoSe2, WS2 and WSe2. Nanomaterials, 2018, 8, 725.	1.9	156
5	Micro-reflectance and transmittance spectroscopy: a versatile and powerful tool to characterize 2D materials. Journal Physics D: Applied Physics, 2017, 50, 074002.	1.3	125
6	Polarizationâ€Sensitive and Broadband Photodetection Based on a Mixedâ€Dimensionality TiS₃/Si pâ€“n Junction. Advanced Optical Materials, 2018, 6, 1800351.	3.6	64
7	Gate tunable photovoltaic effect in MoS₂ vertical pâ€“n homostructures. Journal of Materials Chemistry C, 2017, 5, 854-861.	2.7	50
8	Toward Air Stability of Thin GaSe Devices: Avoiding Environmental and Laserâ€Induced Degradation by Encapsulation. Advanced Functional Materials, 2018, 28, 1805304.	7.8	49
9	Characterization of highly crystalline lead iodide nanosheets prepared by room-temperature solution processing. Nanotechnology, 2017, 28, 455703.	1.3	45
10	Enhanced Visibility of MoS2, MoSe2, WSe2 and Black-Phosphorus: Making Optical Identification of 2D Semiconductors Easier. Electronics (Switzerland), 2015, 4, 847-856.	1.8	44
11	Highly responsive UV-photodetectors based on single electrospun TiO₂ nanofibres. Journal of Materials Chemistry C, 2016, 4, 10707-10714.	2.7	41
12	Optical contrast and refractive index of natural van der Waals heterostructure nanosheets of franckeite. Beilstein Journal of Nanotechnology, 2017, 8, 2357-2362.	1.5	27
13	A Versatile Scanning Photocurrent Mapping System to Characterize Optoelectronic Devices based on 2D Materials. Small Methods, 2017, 1, 1700119.	4.6	24
14	High Throughput Characterization of Epitaxially Grown Single-Layer MoS2. Electronics (Switzerland), 2017, 6, 28.	1.8	16
15	Tunable Photodetectors via In Situ Thermal Conversion of TiS3 to TiO2. Nanomaterials, 2020, 10, 711.	1.9	14
16	Lithography-free electrical transport measurements on 2D materials by direct microprobing. Journal of Materials Chemistry C, 2017, 5, 11252-11258.	2.7	6
17	Photodiodes based in La _{0.7} Sr _{0.3} MnO ₃ /single layer MoS ₂ hybrid vertical heterostructures. 2D Materials, 2017, 4, 034002.	2.0	5
18	Recent achievements on annular Josephson structures and their application as radiation detectors. Physica C: Superconductivity and Its Applications, 2006, 435, 118-124.	0.6	1

#	Article	IF	Citations
19	Fabrication and Properties of Longitudinal and Transverse Current Rectifier Devices Based on Superconducting Films With Arrays of Nanodefects. IEEE Transactions on Applied Superconductivity, 2009, 19, 722-725.	1.1	0