Alvaro Rodriguez

List of Publications by Year
in descending order

13	278	1040056 9	1125743 13
papers	citations	h-index	g-index

13	13	13	412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strain and Charge Doping Fingerprints of the Strong Interaction between Monolayer MoS₂ and Gold. Journal of Physical Chemistry Letters, 2020, 11, 6112-6118.	4.6	77
2	Laser-Induced Periodic Surface Structures on Conjugated Polymers: Poly(3-hexylthiophene). Macromolecules, 2015, 48, 4024-4031.	4.8	46
3	Laser Fabrication of Polymer Ferroelectric Nanostructures for Nonvolatile Organic Memory Devices. ACS Applied Materials & Interfaces, 2015, 7, 19611-19618.	8.0	31
4	In Situ Monitoring of Laser-Induced Periodic Surface Structures Formation on Polymer Films by Grazing Incidence Small-Angle X-ray Scattering. Langmuir, 2015, 31, 3973-3981.	3.5	29
5	Strong localization effects in the photoluminescence of transition metal dichalcogenide heterobilayers. 2D Materials, 2021, 8, 025028.	4.4	19
6	Periodic surface functional group density on graphene via laser-induced substrate patterning at Si/SiO2 interface. Nano Research, 2020, 13, 2332-2339.	10.4	14
7	Folding DNA into origami nanostructures enhances resistance to ionizing radiation. Nanoscale, 2021, 13, 11197-11203.	5.6	14
8	Imaging Nanoscale Inhomogeneities and Edge Delamination in Asâ€Grown MoS₂ Using Tipâ€Enhanced Photoluminescence. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900381.	2.4	12
9	Chemical Vapor Deposition of MoS₂ for Energy Harvesting: Evolution of the Interfacial Oxide Layer. ACS Applied Nano Materials, 2020, 3, 6563-6573.	5.0	10
10	Activation of Raman modes in monolayer transition metal dichalcogenides through strong interaction with gold. Physical Review B, 2022, 105, .	3.2	9
11	Probing the local dielectric function of WS2 on an Au substrate by near field optical microscopy operating in the visible spectral range. Applied Surface Science, 2022, 574, 151672.	6.1	6
12	Approach to map nanotopography of cell surface receptors. Communications Biology, 2022, 5, 218.	4.4	6
13	Nano-optical Visualization of Interlayer Interactions in WSe₂/WS₂ Heterostructures. Journal of Physical Chemistry Letters, 2022, 13, 5854-5859.	4.6	5