

# Jorge Quereda

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,137  
citations

687220

13  
h-index

752573

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced superconductivity in atomically thin TaS <sub>2</sub> . Nature Communications, 2016, 7, 11043.	5.8	285
2	Strong Modulation of Optical Properties in Black Phosphorus through Strain-Engineered Rippling. Nano Letters, 2016, 16, 2931-2937.	4.5	199
3	Spatially resolved optical absorption spectroscopy of single- and few-layer MoS <sub>2</sub> by hyperspectral imaging. Nanotechnology, 2016, 27, 115705.	1.3	145
4	Strong Quantum Confinement Effect in the Optical Properties of Ultrathin In <sub>2</sub> Se <sub>3</sub> . Advanced Optical Materials, 2016, 4, 1939-1943.	3.6	89
5	Single-layer MoS <sub>2</sub> roughness and sliding friction quenching by interaction with atomically flat substrates. Applied Physics Letters, 2014, 105, .	1.5	64
6	Fast and reliable identification of atomically thin layers of TaSe <sub>2</sub> crystals. Nano Research, 2013, 6, 191-199.	5.8	62
7	Strain engineering of Schottky barriers in single- and few-layer MoS <sub>2</sub> vertical devices. 2D Materials, 2017, 4, 021006.	2.0	54
8	Symmetry regimes for circular photocurrents in monolayer MoSe <sub>2</sub> . Nature Communications, 2018, 9, 3346.	5.8	53
9	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. Electronics (Switzerland), 2015, 4, 847-856.	1.8	44
10	Observation of bright and dark exciton transitions in monolayer MoSe <sub>2</sub> by photocurrent spectroscopy. 2D Materials, 2018, 5, 015004.	2.0	21
11	Bilayer h-BN barriers for tunneling contacts in fully-encapsulated monolayer MoSe <sub>2</sub> field-effect transistors. 2D Materials, 2019, 6, 015002.	2.0	21
12	Scalable and low-cost fabrication of flexible WS <sub>2</sub> photodetectors on polycarbonate. Npj Flexible Electronics, 2022, 6, .	5.1	21
13	Excitons, trions and Rydberg states in monolayer MoS <sub>2</sub> revealed by low-temperature photocurrent spectroscopy. Communications Physics, 2020, 3, .	2.0	19
14	Fast response photogating in monolayer MoS <sub>2</sub> phototransistors. Nanoscale, 2021, 13, 16156-16163.	2.8	13
15	Semiconductor channel-mediated photodoping in h-BN encapsulated monolayer MoSe <sub>2</sub> phototransistors. 2D Materials, 2019, 6, 025040.	2.0	12
16	Calibrating the frequency of tuning forks by means of Lissajous figures. American Journal of Physics, 2011, 79, 517-520.	0.3	10
17	The role of device asymmetries and Schottky barriers on the helicity-dependent photoresponse of 2D phototransistors. Npj 2D Materials and Applications, 2021, 5, .	3.9	8
18	Stretching ReS <sub>2</sub> along different crystal directions: Anisotropic tuning of the vibrational and optical responses. Applied Physics Letters, 2022, 120, .	1.5	6

#	ARTICLE	IF	CITATIONS
19	Ionic-Liquid Gating in Two-Dimensional TMDs: The Operation Principles and Spectroscopic Capabilities. <i>Micromachines</i> , 2021, 12, 1576.	1.4	5
20	The Low-Temperature Photocurrent Spectrum of Monolayer MoSe <sub>2</sub> : Excitonic Features and Gate Voltage Dependence. <i>Nanomaterials</i> , 2022, 12, 322.	1.9	4
21	Fiber-coupled light-emitting diodes (LEDs) as safe and convenient light sources for the characterization of optoelectronic devices. <i>Open Research Europe</i> , 0, 1, 98.	2.0	2
22	Mechanical Properties and Electric Field Screening of Atomically Thin MoS <sub>2</sub> Crystals. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2014, , 129-153.	0.4	0
23	Fiber-coupled light-emitting diodes (LEDs) as safe and convenient light sources for the characterization of optoelectronic devices. <i>Open Research Europe</i> , 0, 1, 98.	2.0	0