Marco M Furchi

List of Publications by Year
in descending order

14 papers	4,465 citations	759233 12 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	7495 citing authors

#	Article	IF	Citations
1	Device physics of van der Waals heterojunction solar cells. Npj 2D Materials and Applications, 2018, 2, .	7.9	100
2	Optical imaging of strain in two-dimensional crystals. Nature Communications, 2018, 9, 516.	12.8	144
3	A Physical Model for the Hysteresis in MoS₂ Transistors. IEEE Journal of the Electron Devices Society, 2018, 6, 972-978.	2.1	43
4	Tunable and high-purity room temperature single-photon emission from atomic defects in hexagonal boron nitride. Nature Communications, 2017, 8, 705.	12.8	351
5	A MoTe2-based light-emitting diode and photodetector for silicon photonic integrated circuits. Nature Nanotechnology, 2017, 12, 1124-1129.	31.5	344
6	Photovoltaics in Van der Waals Heterostructures. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 106-116.	2.9	58
7	Physical modeling of the hysteresis in M0S2 transistors. , 2017, , .		3
8	Electric field modulation of thermovoltage in single-layer MoS2. Applied Physics Letters, 2014, 105, .	3.3	16
9	Nanophotonics with two-dimensional atomic crystals. , 2014, , .		1
10	Solar-energy conversion and light emission in an atomic monolayer pâ€“n diode. Nature Nanotechnology, 2014, 9, 257-261.	31.5	1,175
11	Photovoltaic Effect in an Electrically Tunable van der Waals Heterojunction. Nano Letters, 2014, 14, 4785-4791.	9.1	943
12	Mechanisms of Photoconductivity in Atomically Thin MoS₂. Nano Letters, 2014, 14, 6165-6170.	9.1	563
13	CMOS-compatible graphene photodetector covering all optical communication bands. Nature Photonics, 2013, 7, 892-896.	31.4	679
14	Silver nanoisland enhanced Raman interaction in graphene. Applied Physics Letters, 2012, 101, 153113.	3.3	45