

Marco M Furchi

List of Publications by Year in descending order

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Version: 2024-02-01

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