

Simone Bertolazzi

List of Publications by Citations

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19
papers

5,090
citations

16
h-index

19
g-index

19
ext. papers

5,766
ext. citations

16.5
avg, IF

5.93
L-index

#	Paper	IF	Citations
19	Stretching and breaking of ultrathin MoS ₂ . <i>ACS Nano</i> , 2011 , 5, 9703-9	16.7	1672
18	Nonvolatile memory cells based on MoS ₂ /graphene heterostructures. <i>ACS Nano</i> , 2013 , 7, 3246-52	16.7	762
17	Large-Area Epitaxial Monolayer MoS ₂ . <i>ACS Nano</i> , 2015 , 9, 4611-20	16.7	583
16	Exciton dynamics in suspended monolayer and few-layer MoS ₂ crystals. <i>ACS Nano</i> , 2013 , 7, 1072-80	16.7	581
15	Thermal conductivity of monolayer molybdenum disulfide obtained from temperature-dependent Raman spectroscopy. <i>ACS Nano</i> , 2014 , 8, 986-93	16.7	526
14	Single-layer MoS ₂ electronics. <i>Accounts of Chemical Research</i> , 2015 , 48, 100-10	24.3	329
13	Nonvolatile Memories Based on Graphene and Related 2D Materials. <i>Advanced Materials</i> , 2019 , 31, e1806663	24.3	145
12	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. <i>Chemical Society Reviews</i> , 2018 , 47, 6845-6888	58.5	139
11	Engineering Chemically Active Defects in Monolayer MoS Transistors via Ion-Beam Irradiation and Their Healing via Vapor Deposition of Alkanethiols. <i>Advanced Materials</i> , 2017 , 29, 1606760	24	116
10	A Universal Approach toward Light-Responsive Two-Dimensional Electronics: Chemically Tailored Hybrid van der Waals Heterostructures. <i>ACS Nano</i> , 2019 , 13, 4814-4825	16.7	36
9	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 540-547	6.4	34
8	Can 2D-Nanocrystals Extend the Lifetime of Floating-Gate Transistor Based Nonvolatile Memory?. <i>IEEE Transactions on Electron Devices</i> , 2014 , 61, 3456-3464	2.9	32
7	MoS ₂ nanosheets via electrochemical lithium-ion intercalation under ambient conditions. <i>FlatChem</i> , 2018 , 9, 33-39	5.1	28
6	Molecular Approach to Electrochemically Switchable Monolayer MoS Transistors. <i>Advanced Materials</i> , 2020 , 32, e2000740	24	26
5	Morphology and Electronic Properties of Electrochemically Exfoliated Graphene. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3347-3355	6.4	26
4	The correlation between gate dielectric, film growth, and charge transport in organic thin film transistors: the case of vacuum-sublimed tetracene thin films. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 967-976	7.1	19
3	Tetracene thin film transistors with polymer gate dielectrics. <i>Applied Physics Letters</i> , 2011 , 99, 013301	3.4	15

- 2 Influence of the oxidation level on the electronic, morphological and charge transport properties of novel dithienothiophene S-oxide and S,S-dioxide inner core oligomers. *Journal of Materials Chemistry*, **2010**, 20, 669-676 13
- 1 Nano-Subsidence-Assisted Precise Integration of Patterned Two-Dimensional Materials for High-Performance Photodetector Arrays. *ACS Nano*, **2019**, 13, 2654-2662 16.7 8