Simone Bertolazzi

List of Publications by Year in Descending Order

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	Molecular Approach to Electrochemically Switchable Monolayer MoS Transistors. *Advanced Materials*, **2020**, 32, e2000740	24	26
18	Nonvolatile Memories Based on Graphene and Related 2D Materials. *Advanced Materials*, **2019**, 31, e1806663	24	145
17	A Universal Approach toward Light-Responsive Two-Dimensional Electronics: Chemically Tailored Hybrid van der Waals Heterostructures. *ACS Nano*, **2019**, 13, 4814-4825	16.7	36
16	Nano-Subsidence-Assisted Precise Integration of Patterned Two-Dimensional Materials for High-Performance Photodetector Arrays. *ACS Nano*, **2019**, 13, 2654-2662	16.7	8
15	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. *Journal of Physical Chemistry Letters*, **2019**, 10, 540-547	6.4	34
14	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. *Chemical Society Reviews*, **2018**, 47, 6845-6888	58.5	139
13	MoS2 nanosheets via electrochemical lithium-ion intercalation under ambient conditions. *FlatChem*, **2018**, 9, 33-39	5.1	28
12	Engineering Chemically Active Defects in Monolayer MoS Transistors via Ion-Beam Irradiation and Their Healing via Vapor Deposition of Alkanethiols. *Advanced Materials*, **2017**, 29, 1606760	24	116
11	Morphology and Electronic Properties of Electrochemically Exfoliated Graphene. *Journal of Physical Chemistry Letters*, **2017**, 8, 3347-3355	6.4	26
10	Single-layer MoS2 electronics. *Accounts of Chemical Research*, **2015**, 48, 100-10	24.3	329
9	Large-Area Epitaxial Monolayer MoS2. *ACS Nano*, **2015**, 9, 4611-20	16.7	583
8	Thermal conductivity of monolayer molybdenum disulfide obtained from temperature-dependent Raman spectroscopy. *ACS Nano*, **2014**, 8, 986-93	16.7	526
7	Can 2D-Nanocrystals Extend the Lifetime of Floating-Gate Transistor Based Nonvolatile Memory?. *IEEE Transactions on Electron Devices*, **2014**, 61, 3456-3464	2.9	32
6	Exciton dynamics in suspended monolayer and few-layer MoS□2D crystals. *ACS Nano*, **2013**, 7, 1072-80	16.7	581
5	The correlation between gate dielectric, film growth, and charge transport in organic thin film transistors: the case of vacuum-sublimed tetracene thin films. *Journal of Materials Chemistry C*, **2013**, 1, 967-976	7.1	19
4	Nonvolatile memory cells based on MoS2/graphene heterostructures. *ACS Nano*, **2013**, 7, 3246-52	16.7	762
3	Stretching and breaking of ultrathin MoS2. *ACS Nano*, **2011**, 5, 9703-9	16.7	1672

2	Tetracene thin film transistors with polymer gate dielectrics. *Applied Physics Letters*, **2011**, 99, 013301	3.4	15
1	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