Michele Pizzochero

List of Publications by Year
in descending order

23	704	567281 15	677142 22
papers	citations	h-index	g-index

23	23	23	1188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen Atoms on Zigzag Graphene Nanoribbons: Chemistry and Magnetism Meet at the Edge. Nano Letters, 2022, 22, 1922-1928.	9.1	13
2	Imprinting Tunable Ï€-Magnetism in Graphene Nanoribbons via Edge Extensions. Journal of Physical Chemistry Letters, 2021, 12, 1214-1219.	4.6	14
3	Quantum electronic transport across â€˜biteâ€™ defects in graphene nanoribbons. 2D Materials, 2021, 8, 035025.	4.4	17
4	Edge Disorder in Bottom-Up Zigzag Graphene Nanoribbons: Implications for Magnetism and Quantum Electronic Transport. Journal of Physical Chemistry Letters, 2021, 12, 4692-4696.	4.6	22
5	Electrically Induced Dirac Fermions in Graphene Nanoribbons. Nano Letters, 2021, 21, 9332-9338.	9.1	10
6	Probing magnetism in atomically thin semiconducting PtSe2. Nature Communications, 2020, 11, 4806.	12.8	63
7	Structural Phase Transition and Bandgap Control through Mechanical Deformation in Layered Semiconductors 1Tâ€“ZrX₂ (X = S, Se). , 2020, 2, 1115-1120.		15
8	Light induced electron spin resonance properties of van der Waals CrX3 (X = Cl, I) crystals. Applied Physics Letters, 2020, 117, .	3.3	12
9	Evenâ€“odd conductance effect in graphene nanoribbons induced by edge functionalization with aromatic molecules: basis for novel chemosensors. European Physical Journal Plus, 2020, 135, 1.	2.6	6
10	Electronic transport across quantum dots in graphene nanoribbons: Toward built-in gap-tunable metal-semiconductor-metal heterojunctions. Physical Review B, 2020, 102, .	3.2	15
11	Magnetic exchange interactions in monolayer CrI₃ from many-body wavefunction calculations. 2D Materials, 2020, 7, 035005.	4.4	32
12	Inducing Magnetic Phase Transitions in Monolayer CrI₃ via Lattice Deformations. Journal of Physical Chemistry C, 2020, 124, 7585-7590.	3.1	28
13	Atomic-scale defects in the two-dimensional ferromagnet CrI₃ from first principles. Journal Physics D: Applied Physics, 2020, 53, 244003.	2.8	26
14	Manipulating Topological Domain Boundaries in the Single-Layer Quantum Spin Hall Insulator 1Tâ€²â€“WSe2. Nano Letters, 2019, 19, 5634-5639.	9.1	30
15	Picture of the wet electron: a localized transient state in liquid water. Chemical Science, 2019, 10, 7442-7448.	7.4	43
16	Defect induced, layer-modulated magnetism in ultrathin metallic PtSe2. Nature Nanotechnology, 2019, 14, 674-678.	31.5	162
17	To bend or not to bend, the dilemma of multiple bonds. Physical Chemistry Chemical Physics, 2019, 21, 26342-26350.	2.8	8
18	Single-layer 1 T â€²-MoS ₂ under electron irradiation from ab initio molecular dynamics. 2D Materials, 2018, 5, 025022.	4.4	13

#	Article	IF	Citations
19	Electronic Properties of Transferable Atomically Thin MoSe₂/h-BN Heterostructures Grown on Rh(111). ACS Nano, 2018, 12, 11161-11168.	14.6	17
20	Highly Oriented Atomically Thin Ambipolar MoSe₂ Grown by Molecular Beam Epitaxy. ACS Nano, 2017, 11, 6355-6361.	14.6	64
21	Point defects in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:msup><mml:mi>T</mml:mi><mml:mo and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi></mml:mrow></mml:mo phases of single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mo	3.2	48
22	Hydrogen on silicene: like or unlike graphene?. Physical Chemistry Chemical Physics, 2016, 18, 15654-15666.	2.8	27
23	Hydrogen adsorption on nitrogen and boron doped graphene. Journal of Physics Condensed Matter, 2015, 27, 425502.	1.8	19