

Michele Pizzochero

List of Publications by Year in descending order

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papers

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566801

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23
all docs

23
docs citations

23
times ranked

1188
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect induced, layer-modulated magnetism in ultrathin metallic PtSe ₂ . Nature Nanotechnology, 2019, 14, 674-678.	15.6	162
2	Highly Oriented Atomically Thin Ambipolar MoSe ₂ Grown by Molecular Beam Epitaxy. ACS Nano, 2017, 11, 6355-6361.	7.3	64
3	Probing magnetism in atomically thin semiconducting PtSe ₂ . Nature Communications, 2020, 11, 4806.	5.8	63
4	Point defects in the single-layer phases of single-layer MoS ₂ and H ₂ O. Nature Communications, 2020, 11, 4806.	11.48	48
5	Picture of the wet electron: a localized transient state in liquid water. Chemical Science, 2019, 10, 7442-7448.	3.7	43
6	Magnetic exchange interactions in monolayer CrI ₃ from many-body wavefunction calculations. 2D Materials, 2020, 7, 035005.	2.0	32
7	Manipulating Topological Domain Boundaries in the Single-Layer Quantum Spin Hall Insulator 1Tâ€²WSe ₂ . Nano Letters, 2019, 19, 5634-5639.	4.5	30
8	Inducing Magnetic Phase Transitions in Monolayer CrI ₃ via Lattice Deformations. Journal of Physical Chemistry C, 2020, 124, 7585-7590.	1.5	28
9	Hydrogen on silicene: like or unlike graphene?. Physical Chemistry Chemical Physics, 2016, 18, 15654-15666.	1.3	27
10	Atomic-scale defects in the two-dimensional ferromagnet CrI ₃ from first principles. Journal Physics D: Applied Physics, 2020, 53, 244003.	1.3	26
11	Edge Disorder in Bottom-Up Zigzag Graphene Nanoribbons: Implications for Magnetism and Quantum Electronic Transport. Journal of Physical Chemistry Letters, 2021, 12, 4692-4696.	2.1	22
12	Hydrogen adsorption on nitrogen and boron doped graphene. Journal of Physics Condensed Matter, 2015, 27, 425502.	0.7	19
13	Electronic Properties of Transferable Atomically Thin MoSe ₂ /h-BN Heterostructures Grown on Rh(111). ACS Nano, 2018, 12, 11161-11168.	7.3	17
14	Quantum electronic transport across â€² defects in graphene nanoribbons. 2D Materials, 2021, 8, 035025.	2.0	17
15	Structural Phase Transition and Bandgap Control through Mechanical Deformation in Layered Semiconductors 1Tâ€²ZrX ₂ (X = S, Se)., 2020, 2, 1115-1120.		15
16	Electronic transport across quantum dots in graphene nanoribbons: Toward built-in gap-tunable metal-semiconductor-metal heterojunctions. Physical Review B, 2020, 102, .	1.1	15
17	Imprinting Tunable Î€-Magnetism in Graphene Nanoribbons via Edge Extensions. Journal of Physical Chemistry Letters, 2021, 12, 1214-1219.	2.1	14
18	Single-layer 1Tâ€²-MoS ₂ under electron irradiation from <i>ab initio</i> molecular dynamics. 2D Materials, 2018, 5, 025022.	2.0	13

#	ARTICLE	IF	CITATIONS
19	Hydrogen Atoms on Zigzag Graphene Nanoribbons: Chemistry and Magnetism Meet at the Edge. Nano Letters, 2022, 22, 1922-1928.	4.5	13
20	Light induced electron spin resonance properties of van der Waals CrX ₃ (X = Cl, I) crystals. Applied Physics Letters, 2020, 117, .	1.5	12
21	Electrically Induced Dirac Fermions in Graphene Nanoribbons. Nano Letters, 2021, 21, 9332-9338.	4.5	10
22	To bend or not to bend, the dilemma of multiple bonds. Physical Chemistry Chemical Physics, 2019, 21, 26342-26350.	1.3	8
23	Even-odd conductance effect in graphene nanoribbons induced by edge functionalization with aromatic molecules: basis for novel chemosensors. European Physical Journal Plus, 2020, 135, 1.	1.2	6