

Cormac

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

558
citations

15
h-index

23
g-index

33
ext. papers

722
ext. citations

6.7
avg, IF

3.68
L-index

#	Paper	IF	Citations
33	Giant gauge factor of Van der Waals material based strain sensors. <i>Nature Communications</i> , 2021 , 12, 2018	17.4	14
32	Imaging and identification of point defects in PtTe ₂ . <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	10
31	Structural and electrical characterisation of PtS from H ₂ S-converted Pt. <i>Applied Materials Today</i> , 2021 , 25, 101163	6.6	3
30	Directing the Morphology of Chemical Vapor Deposition-Grown MoS ₂ on Sapphire by Crystal Plane Selection. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 2000073	1.6	6
29	Photoelectrical properties of graphene/doped GeSn vertical heterostructures.. <i>RSC Advances</i> , 2020 , 10, 20921-20927	3.7	1
28	Low-temperature synthesis and electrocatalytic application of large-area PtTe thin films. <i>Nanotechnology</i> , 2020 , 31, 375601	3.4	14
27	Electrical Contact Barriers between a Three-Dimensional Metal and Layered SnS. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15830-15836	9.5	5
26	Two-Photon Absorption in Monolayer MXenes. <i>Advanced Optical Materials</i> , 2020 , 8, 1902021	8.1	26
25	Highly Sensitive, Selective, Stable, and Flexible NO ₂ Sensor Based on GaSe. <i>Advanced Materials Technologies</i> , 2020 , 5, 1901085	6.8	11
24	Sub-millimeter size high mobility single crystal MoSe monolayers synthesized by NaCl-assisted chemical vapor deposition.. <i>RSC Advances</i> , 2020 , 10, 1580-1587	3.7	14
23	Charge density waves and degenerate modes in exfoliated monolayer 2H-TaS. <i>IUCrJ</i> , 2020 , 7, 913-919	4.7	1
22	Insights into Multilevel Resistive Switching in Monolayer MoS. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6022-6029	9.5	22
21	Electronic and structural characterisation of polycrystalline platinum disulfide thin films.. <i>RSC Advances</i> , 2020 , 10, 42001-42007	3.7	6
20	High Selectivity Gas Sensing and Charge Transfer of SnSe. <i>ACS Sensors</i> , 2019 , 4, 2546-2552	9.2	40
19	Quantum confinement-induced semimetal-to-semiconductor evolution in large-area ultra-thin PtSe ₂ films grown at 400 °C. <i>Npj 2D Materials and Applications</i> , 2019 , 3,	8.8	47
18	Photo-enhanced gas sensing of SnS with nanoscale defects.. <i>RSC Advances</i> , 2019 , 9, 626-635	3.7	30
17	Magnetoresistance of Nanoscale Domain Walls Formed in Arrays of Parallel Nanowires. <i>Spin</i> , 2019 , 09, 1950004	1.3	

16	Strategy for Fabricating Wafer-Scale Platinum Disulfide. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8202-8209	9.5	29
15	PtSe 2 grown directly on polymer foil for use as a robust piezoresistive sensor. <i>2D Materials</i> , 2019 , 6, 045029	5.9	21
14	Effects of Annealing Temperature and Ambient on Metal/PtSe Contact Alloy Formation. <i>ACS Omega</i> , 2019 , 4, 17487-17493	3.9	6
13	Surface-State Assisted Carrier Recombination and Optical Nonlinearities in Bulk to 2D Nonlayered PtS. <i>ACS Nano</i> , 2019 , 13, 13390-13402	16.7	22
12	Enhanced NO Sensing at Room Temperature with Graphene via Monodisperse Polystyrene Bead Decoration. <i>ACS Omega</i> , 2019 , 4, 3812-3819	3.9	19
11	Giant and Linear Piezo-Phototronic Response in Layered GaSe Nanosheets. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700447	6.4	11
10	Electrical devices from top-down structured platinum diselenide films. <i>Npj 2D Materials and Applications</i> , 2018 , 2,	8.8	50
9	Threshold magnetoresistance in anisotropic magnetic 2D transition metal dichalcogenides. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3058-3064	7.1	5
8	Competition Between Anti-Phase Boundaries and Charge-Orbital Ordering in Epitaxial Stepped Fe ₃ O ₄ (100) Thin Films. <i>Spin</i> , 2017 , 07, 1750001	1.3	1
7	Materials, Devices and Spin Transfer Torque in Antiferromagnetic Spintronics: A Concise Review. <i>Spin</i> , 2017 , 07, 1740014	1.3	5
6	Quantum Confinement and Gas Sensing of Mechanically Exfoliated GaSe. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600197	6.8	22
5	Surface enhanced Raman scattering of monolayer MX ₂ with metallic nano particles. <i>Scientific Reports</i> , 2016 , 6, 30320	4.9	27
4	Probing thermal expansion coefficients of monolayers using surface enhanced Raman scattering. <i>RSC Advances</i> , 2016 , 6, 99053-99059	3.7	18
3	Anomalous Anisotropic Magnetoresistance of Antiferromagnetic Epitaxial Bimetallic Films: Mn ₂ Au and Mn ₂ Au/Fe Bilayers. <i>Advanced Functional Materials</i> , 2016 , 26, 5884-5892	15.6	14
2	Spin-dependent transport properties of Fe ₃ O ₄ /MoS ₂ /Fe ₃ O ₄ junctions. <i>Scientific Reports</i> , 2015 , 5, 15984	4.9	41
1	Enhanced Shubnikov-De Haas Oscillation in Nitrogen-Doped Graphene. <i>ACS Nano</i> , 2015 , 9, 7207-14	16.7	17