

Carlos Sánchez

List of Publications by Year in descending order

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23
papers

1,307
citations

516710

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642732

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23
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23
docs citations

23
times ranked

1428
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-terminal electronic transport in boron nitride encapsulated TiS ₃ nanosheets. 2D Materials, 2020, 7, 015009.	4.4	14
2	Ultrathin Transparent Bâ€“Câ€“N Layers Grown on Titanium Substrates with Excellent Electrocatalytic Activity for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 1922-1932.	5.1	16
3	Raman Fingerprint of Pressure-Induced Phase Transitions in TiS ₃ Nanoribbons: Implications for Thermal Measurements under Extreme Stress Conditions. ACS Applied Nano Materials, 2020, 3, 8794-8802.	5.0	15
4	Tunable Photodetectors via In Situ Thermal Conversion of TiS ₃ to TiO ₂ . Nanomaterials, 2020, 10, 711.	4.1	14
5	Ternary transition titanium-niobium trisulfide as photoanode for assisted water splitting. Catalysis Today, 2019, 321-322, 107-112.	4.4	11
6	Chemical vapor deposition growth of boronâ€“carbonâ€“nitrogen layers from methylamine borane thermolysis products. Nanotechnology, 2018, 29, 025603.	2.6	21
7	Strain-induced band gap engineering in layered TiS ₃ . Nano Research, 2018, 11, 225-232.	10.4	36
8	Polarizationâ€“Sensitive and Broadband Photodetection Based on a Mixedâ€“Dimensionality TiS ₃ /Si pâ€“n Junction. Advanced Optical Materials, 2018, 6, 1800351.	7.3	64
9	Improving the Efficiency of Thin Film Thermoelectric Generators under Constant Heat Flux by Using Substrates of Low Thermal Conductivity. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800277.	2.4	7
10	Large birefringence and linear dichroism in TiS ₃ nanosheets. Nanoscale, 2018, 10, 12424-12429.	5.6	40
11	High Current Density Electrical Breakdown of TiS ₃ Nanoribbonâ€“Based Fieldâ€“Effect Transistors. Advanced Functional Materials, 2017, 27, 1605647.	14.9	52
12	Electronics and optoelectronics of quasi-1D layered transition metal trichalcogenides. 2D Materials, 2017, 4, 022003.	4.4	146
13	Dielectrophoretic assembly of liquid-phase-exfoliated TiS ₃ nanoribbons for photodetecting applications. Chemical Communications, 2017, 53, 6164-6167.	4.1	22
14	On the van der Pauwâ€“TM's method applied to the measurement of low thermal conductivity materials. Review of Scientific Instruments, 2016, 87, 084902.	1.3	4
15	Hydrogen Photoassisted Generation by Visible Light and an Earth Abundant Photocatalyst: Pyrite (FeS ₂). Journal of Physical Chemistry C, 2016, 120, 9547-9552.	3.1	37
16	Titanium trisulfide (TiS ₃): a 2D semiconductor with quasi-1D optical and electronic properties. Scientific Reports, 2016, 6, 22214.	3.3	107
17	Electronic Bandgap and Exciton Binding Energy of Layered Semiconductor TiS ₃ . Advanced Electronic Materials, 2015, 1, 1500126.	5.1	59
18	Titanium trisulphide (TiS ₃) nanoribbons for easy hydrogen photogeneration under visible light. Journal of Materials Chemistry A, 2015, 3, 7959-7965.	10.3	39

#	ARTICLE	IF	CITATIONS
19	TiS ₃ Transistors with Tailored Morphology and Electrical Properties. <i>Advanced Materials</i> , 2015, 27, 2595-2601.	21.0	193
20	Temperature-Dependent Raman Spectroscopy of Titanium Trisulfide (TiS ₃) Nanoribbons and Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24185-24190.	8.0	89
21	Ultrahigh Photoresponse of Few-Layer TiS ₃ Nanoribbon Transistors. <i>Advanced Optical Materials</i> , 2014, 2, 641-645.	7.3	189
22	Optical properties of titanium trisulphide (TiS ₃) thin films. <i>Thin Solid Films</i> , 2013, 535, 398-401.	1.8	85
23	On the Photoelectrochemical Properties of TiS ₃ Films. <i>Energy Procedia</i> , 2012, 22, 48-52.	1.8	47