# Carlos SÃnchez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2306475/publications.pdf

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| 23 | 1,307 | 516561 16 | 642610 23 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 1428 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multi-terminal electronic transport in boron nitride encapsulated TiS<sub>3</sub> nanosheets. 2D Materials, 2020, 7, 015009. | 2.0 | 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. | 2.5 | 16 |
| 3 | Raman Fingerprint of Pressure-Induced Phase Transitions in TiS<sub>3</sub> Nanoribbons: Implications for Thermal Measurements under Extreme Stress Conditions. ACS Applied Nano Materials, 2020, 3, 8794-8802. | 2.4 | 15 |
| 4 | Tunable Photodetectors via In Situ Thermal Conversion of TiS3 to TiO2. Nanomaterials, 2020, 10, 711. | 1.9 | 14 |
| 5 | Ternary transition titanium-niobium trisulfide as photoanode for assisted water splitting. Catalysis Today, 2019, 321-322, 107-112. | 2.2 | 11 |
| 6 | Chemical vapor deposition growth of boronâ€“carbonâ€“nitrogen layers from methylamine borane thermolysis products. Nanotechnology, 2018, 29, 025603. | 1.3 | 21 |
| 7 | Strain-induced band gap engineering in layered TiS3. Nano Research, 2018, 11, 225-232. | 5.8 | 36 |
| 8 | Polarizationâ€Sensitive and Broadband Photodetection Based on a Mixedâ€Dimensionality TiS<sub>3</sub>/Si pâ€“n Junction. Advanced Optical Materials, 2018, 6, 1800351. | 3.6 | 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. | 1.2 | 7 |
| 10 | Large birefringence and linear dichroism in TiS<sub>3</sub> nanosheets. Nanoscale, 2018, 10, 12424-12429. | 2.8 | 40 |
| 11 | High Current Density Electrical Breakdown of TiS<sub>3</sub> Nanoribbonâ€Based Fieldâ€Effect Transistors. Advanced Functional Materials, 2017, 27, 1605647. | 7.8 | 52 |
| 12 | Electronics and optoelectronics of quasi-1D layered transition metal trichalcogenides. 2D Materials, 2017, 4, 022003. | 2.0 | 146 |
| 13 | Dielectrophoretic assembly of liquid-phase-exfoliated TiS<sub>3</sub> nanoribbons for photodetecting applications. Chemical Communications, 2017, 53, 6164-6167. | 2.2 | 22 |
| 14 | On the van der Pauwâ€™s method applied to the measurement of low thermal conductivity materials. Review of Scientific Instruments, 2016, 87, 084902. | 0.6 | 4 |
| 15 | Hydrogen Photoassisted Generation by Visible Light and an Earth Abundant Photocatalyst: Pyrite (FeS<sub>2</sub>). Journal of Physical Chemistry C, 2016, 120, 9547-9552. | 1.5 | 37 |
| 16 | Titanium trisulfide (TiS3): a 2D semiconductor with quasi-1D optical and electronic properties. Scientific Reports, 2016, 6, 22214. | 1.6 | 107 |
| 17 | Electronic Bandgap and Exciton Binding Energy of Layered Semiconductor TiS<sub>3</sub>. Advanced Electronic Materials, 2015, 1, 1500126. | 2.6 | 59 |
| 18 | Titanium trisulphide (TiS<sub>3</sub>) nanoribbons for easy hydrogen photogeneration under visible light. Journal of Materials Chemistry A, 2015, 3, 7959-7965. | 5.2 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | TiS<sub>3</sub> Transistors with Tailored Morphology and Electrical Properties. Advanced Materials, 2015, 27, 2595-2601. | 11.1 | 193 |
| 20 | Temperature-Dependent Raman Spectroscopy of Titanium Trisulfide (TiS<sub>3</sub>) Nanoribbons and Nanosheets. ACS Applied Materials & Interfaces, 2015, 7, 24185-24190. | 4.0 | 89 |
| 21 | Ultrahigh Photoresponse of Fewâ€Layer TiS<sub>3</sub> Nanoribbon Transistors. Advanced Optical Materials, 2014, 2, 641-645. | 3.6 | 189 |
| 22 | Optical properties of titanium trisulphide (TiS3) thin films. Thin Solid Films, 2013, 535, 398-401. | 0.8 | 85 |
| 23 | On the Photoelectrochemical Properties of TiS3 Films. Energy Procedia, 2012, 22, 48-52. | 1.8 | 47 |