

Rapid water disinfection using vertically aligned MoS₂

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Oxidative etching of MoS ₂ /WS ₂ nanosheets to their QDs by facile UV irradiation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31211-31216.	1.3	14
3	High Antibacterial Activity of Functionalized Chemically Exfoliated MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31567-31573.	4.0	161
4	Donor-Acceptor Interaction Determines the Mechanism of Photoinduced Electron Injection from Graphene Quantum Dots into TiO ₂ : π -Stacking Supersedes Covalent Bonding. <i>Journal of the American Chemical Society</i> , 2017, 139, 2619-2629.	6.6	132
5	From Flatland to Spaceland: Higher Dimensional Patterning with Two-Dimensional Materials. <i>Advanced Materials</i> , 2017, 29, 1605096.	11.1	76
6	Facile <i>In Situ</i> Growth of High Strong BiOI Network Films on Metal Wire Meshes with Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2454-2462.	3.2	45
7	Design, synthesis and electrocatalytic properties of coaxial and layer-tunable MoS ₂ nanofragments/TiO ₂ nanorod arrays. <i>Chemical Communications</i> , 2017, 53, 5461-5464.	2.2	17
8	Chloride-accelerated Cu-Fenton chemistry for biofilm removal. <i>Chemical Communications</i> , 2017, 53, 5862-5865.	2.2	21
9	Efficient Antibacterial Membrane based on Two-Dimensional Ti ₃ C ₂ T _x (MXene) Nanosheets. <i>Scientific Reports</i> , 2017, 7, 1598.	1.6	305
10	A Z-scheme magnetic recyclable Ag/AgBr@CoFe ₂ O ₄ photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. <i>RSC Advances</i> , 2017, 7, 30845-30854.	1.7	40
11	Tuning the catalytic functionality of transition metal dichalcogenides grown by chemical vapour deposition. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14950-14968.	5.2	38
12	Enhancing reactive oxygen species generation and photocatalytic performance via adding oxygen reduction reaction catalysts into the photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 174-185.	10.8	82
13	Mesoporous, Three-Dimensional Wood Membrane Decorated with Nanoparticles for Highly Efficient Water Treatment. <i>ACS Nano</i> , 2017, 11, 4275-4282.	7.3	392
14	Highly Efficient, Green, and Scalable β -Cyclodextrin-Assisted Aqueous Exfoliation of Transition Metal Dichalcogenides: MoS ₂ and ReS ₂ Nanoflakes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1052-1056.	1.7	14
15	Light-matter interaction in transition metal dichalcogenides and their heterostructures. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 173001.	1.3	91
16	Synergy of adsorption and photosensitization of graphene oxide for improved removal of organic pollutants. <i>RSC Advances</i> , 2017, 7, 16204-16209.	1.7	19
17	Modulation of the Singlet Oxygen Generation from the Double Strand DNA-SYBR Green I Complex Mediated by T-Melamine-T Mismatch for Visual Detection of Melamine. <i>Analytical Chemistry</i> , 2017, 89, 5101-5106.	3.2	58
18	Noble metal-coated MoS ₂ nanofilms with vertically-aligned 2D layers for visible light-driven photocatalytic degradation of emerging water contaminants. <i>Scientific Reports</i> , 2017, 7, 14944.	1.6	51
19	Graphene-based antimicrobial nanomaterials: rational design and applications for water disinfection and microbial control. <i>Environmental Science: Nano</i> , 2017, 4, 2248-2266.	2.2	65

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21	Tunable active edge sites in PtSe ₂ films towards hydrogen evolution reaction. <i>Nano Energy</i> , 2017, 42, 26-33.	8.2	109
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24	Fast detection and low power hydrogen sensor using edge-oriented vertically aligned 3-D network of MoS ₂ flakes at room temperature. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	53
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26	Integration of IR-808 Sensitized Upconversion Nanostructure and MoS ₂ Nanosheet for 808 nm NIR Light Triggered Phototherapy and Bioimaging. <i>Small</i> , 2017, 13, 1701841.	5.2	117
27	Ultrathin Two-Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. <i>Advanced Materials</i> , 2017, 29, 1701392.	11.1	242
28	Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extra-High Electrical Conductivity. <i>Advanced Materials</i> , 2017, 29, 1702359.	11.1	191
29	Elastic Properties of Few Nanometers Thick Polycrystalline MoS ₂ Membranes: A Nondestructive Study. <i>Nano Letters</i> , 2017, 17, 7647-7651.	4.5	22
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