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## Review of Hybrid 1D/2D Photocatalysts for Light-Harvesting Applications

DOI: 10.1021/acsanm.1c01014  
ACS Applied Nano Materials, , , .

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**Version:** 2024-04-19

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23	Tetracycline Encapsulated in Au Nanoparticle-Decorated ZnO Nanohybrids for Enhanced Antibacterial Activity. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 4484-4492	5.6	1
22	Synergistic effect stemming from vertically anchored seamless 2D MoSe <sub>2</sub> nanosheets on 1D NiTiO <sub>3</sub> nanofibers toward CO <sub>2</sub> photoreduction. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2022</b> , 61, 102058	7.6	0
21	High-Performance Non-Enzymatic Electrochemical Dopamine Sensors Based on Metal-Organic Framework Derived Co-C-Matrix Nanoplatforms. <i>Journal of the Electrochemical Society</i> ,	3.9	
20	Dimensional-matched two dimensional/two dimensional TiO <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> Step-scheme heterojunction for boosted photocatalytic performance of sterilization and water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> ,	9.3	0
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18	Graphene-based anti-corrosive coating on steel for reinforced concrete infrastructure applications: Challenges and potential. <b>2022</b> , 351, 128947		2
17	Evolutionary face-to-face 2D/2D bismuth-based heterojunction: The quest for sustainable photocatalytic applications. <b>2022</b> , 29, 101636		3
16	Environmentally Friendly Green Synthesis of Fine Particles by Dry Mechanical Processes Toward SDGs: A Review. <b>2022</b> ,		0
15	2D/2D WO <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> photocatalyst with an S-scheme heterojunction for highly efficient Cr(vi) reduction.		0
14	2D/2D S-scheme heterojunction with a covalent organic framework and g-C <sub>3</sub> N <sub>4</sub> nanosheets for highly efficient photocatalytic H <sub>2</sub> evolution. <b>2022</b> , 43, 2592-2605		0
13	Editorial for Special Issue on Light-Particle Interaction: Thermoplasmonics, Photoacoustics, Photochemistry, and Their Applications <b>2022</b> , 12, 8695		0
12	Recent advances in covalent organic framework (COF) nanotextures with band engineering for stimulating solar hydrogen production: A comprehensive review. <b>2022</b> , 47, 34323-34375		0
11	Progress and perspectives on 1D nanostructured catalysts applied in photo(electro)catalytic reduction of CO <sub>2</sub> .		3
10	Semiconductor-Based Photocatalytic Oxygen Evolution Performance for Water Splitting: Light-Driven Energy Conversion and Storage. <b>2023</b> , 263-320		0
9	Single-Atom Co-Catalysts Employed in Titanium Dioxide Photocatalysis. <b>2022</b> , 12, 1223		1
8	Microwave-assisted controllable synthesis of 2D and 1D Eu <sup>3+</sup> -Y <sub>2</sub> O <sub>3</sub> micro/nanoparticles and their photoluminescence properties. <b>2022</b> , 123704		0
7	Two-dimensional heterostructures for photocatalytic CO <sub>2</sub> reduction. <b>2023</b> , 216, 114699		0

- 6 Ni loaded SnS<sub>2</sub> hexagonal nanosheets for photocatalytic hydrogen generation via water splitting. **2023**, 13, 2418-2426 ○
- 5 Adaptive 2D and Pseudo-2D Systems: Molecular, Polymeric, and Colloidal Building Blocks for Tailored Complexity. **2023**, 13, 855 ○
- 4 Development of Nanomedicine from Copper Mine Tailing Waste: A Pavement towards Circular Economy with Advanced Redox Nanotechnology. **2023**, 13, 369 1
- 3 Modulation of Surface TiD Species in 2D-Ti<sub>3</sub>C<sub>2</sub>TX MXene for Developing a Highly Efficient Electrocatalyst for Hydrogen Evolution and Methanol Oxidation Reactions. **2023**, 39, 2995-3005 ○
- 2 Vertical Growth of WO<sub>3</sub> Nanosheets on TiO<sub>2</sub> Nanoribbons as 2D/1D Heterojunction Photocatalysts with Improved Photocatalytic Performance under Visible Light. **2023**, 13, 556 ○
- 1 Surfactant-free synthesis of ordered 1D/2D NiZn-LDH heterostructure through oriented attachment for efficient photocatalytic CO<sub>2</sub> reduction with nearly 100% CO selectivity. ○