

# Emerging Two-Dimensional Nanomaterials for Electro

Chemical Reviews

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Citation Report

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Electronic Tuning of Co, Ni-Based Nanostructured (Hydr)oxides for Aqueous Electrocatalysis. <i>Advanced Functional Materials</i> , 2018, 28, 1804886.  | 7.8  | 87        |
| 2  | Metallic MoN ultrathin nanosheets boosting high performance photocatalytic H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23278-23282.  | 5.2  | 37        |
| 3  | Novel 2D Nanosheets with Potential Applications in Heavy Metal Purification: A Review. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801094.  | 1.9  | 67        |
| 4  | Molybdenum disulfide/silver/p-silicon nanowire heterostructure with enhanced photoelectrocatalytic activity for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 22235-22242.   | 3.8  | 17        |
| 5  | Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) electrodes for energy conversion and storage: a review on photoelectrochemical water splitting, solar cells and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22346-22380. | 5.2  | 244       |
| 6  | Earth-Abundant Electrocatalysts in Proton Exchange Membrane Electrolyzers. <i>Catalysts</i> , 2018, 8, 657.  | 1.6  | 51        |
| 7  | Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater. <i>Advanced Functional Materials</i> , 2019, 29, 1805893.               | 7.8  | 69        |
| 8  | Metal-Cluster-Directed Surface Charge Manipulation of Two-Dimensional Nanomaterials for Efficient Urea Electrocatalytic Conversion. <i>ACS Applied Nano Materials</i> , 2018, 1, 6649-6655.  | 2.4  | 11        |
| 9  | Single-Crystal Nitrogen-Rich Two-Dimensional Mo <sub>5</sub> N <sub>6</sub> Nanosheets for Efficient and Stable Seawater Splitting. <i>ACS Nano</i> , 2018, 12, 12761-12769.   | 7.3  | 317       |
| 10 | Mechanisms of Semiconducting 2H to Metallic 1T Phase Transition in Two-dimensional MoS <sub>2</sub> Nanosheets. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28215-28224.   | 1.5  | 65        |
| 11 | Characteristics and performance of two-dimensional materials for electrocatalysis. <i>Nature Catalysis</i> , 2018, 1, 909-921.   | 16.1 | 591       |
| 12 | Template-Free Synthesis of Two-Dimensional Fe/N Codoped Carbon Networks as Efficient Oxygen Reduction Reaction Electrocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37079-37086.  | 4.0  | 20        |
| 13 | First-Principles Modeling in Heterogeneous Electrocatalysis. <i>Catalysts</i> , 2018, 8, 424.  | 1.6  | 27        |
| 14 | Constructing tunable dual active sites on two-dimensional C <sub>3</sub> N <sub>4</sub> @MoN hybrid for electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2018, 53, 690-697.   | 8.2  | 175       |
| 15 | Porous MXene Frameworks Support Pyrite Nanodots toward High-Rate Pseudocapacitive Li/Na-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33779-33784.  | 4.0  | 61        |
| 16 | Electrochemical Energy Conversion and Storage with Zeolitic Imidazolate Framework Derived Materials: A Perspective. <i>ChemElectroChem</i> , 2018, 5, 3571-3588.   | 1.7  | 46        |
| 17 | C@TiO <sub>2</sub> /MoO <sub>3</sub> Composite Nanofibers with 1T Phase MoS <sub>2</sub> Nanograin Dopant and Stabilized Interfaces as Anodes for Li- and Na-Ion Batteries. <i>ChemSusChem</i> , 2018, 11, 4060-4070.  | 3.6  | 21        |
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| 20 | Defect and Interface Engineering for Aqueous Electrocatalytic CO <sub>2</sub> Reduction. <i>Joule</i> , 2018, 2, 2551-2582.  | 11.7 | 459       |
| 21 | Simultaneous Manipulation of O <sup>Δ</sup> Doping and Metal Vacancy in Atomically Thin Zn <sub>10</sub> In <sub>16</sub> S <sub>34</sub> Nanosheet Arrays toward Improved Photoelectrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16882-16887. | 7.2  | 109       |
| 22 | Simultaneous Manipulation of O <sup>Δ</sup> Doping and Metal Vacancy in Atomically Thin Zn <sub>10</sub> In <sub>16</sub> S <sub>34</sub> Nanosheet Arrays toward Improved Photoelectrochemical Performance. <i>Angewandte Chemie</i> , 2018, 130, 17124-17129.                        | 1.6  | 19        |
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| 28 | Charge State Manipulation of Cobalt Selenide Catalyst for Overall Seawater Electrolysis. <i>Advanced Energy Materials</i> , 2018, 8, 1801926.  | 10.2 | 264       |
| 29 | Recent Progress of Janus 2D Transition Metal Chalcogenides: From Theory to Experiments. <i>Small</i> , 2018, 14, e1802091.   | 5.2  | 247       |
| 30 | Emerging core-shell nanostructured catalysts of transition metal encapsulated by two-dimensional carbon materials for electrochemical applications. <i>Nano Today</i> , 2018, 22, 100-131.   | 6.2  | 86        |
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| 34 | Single-Atomic Cu with Multiple Oxygen Vacancies on Ceria for Electrocatalytic CO <sub>2</sub> Reduction to CH <sub>4</sub> . <i>ACS Catalysis</i> , 2018, 8, 7113-7119.  | 5.5  | 486       |
| 35 | Self-Assemble and In Situ Formation of Ni <sup>1+</sup> /Fe <sub>x</sub> /PS <sub>3</sub> Nanomosaic-Decorated MXene Hybrids for Overall Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1801127.   | 10.2 | 204       |
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| 37 | <i>In situ</i> formation of Ni <sub>3</sub> Se <sub>4</sub> nanorod arrays as versatile electrocatalysts for electrochemical oxidation reactions in hybrid water electrolysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15653-15658. | 5.2  | 84        |
| 38 | Partially amorphous nickel-iron layered double hydroxide nanosheet arrays for robust bifunctional electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16121-16129.  | 5.2  | 193       |
| 39 | Enabling Effective Electrocatalytic N <sub>2</sub> Conversion to NH <sub>3</sub> by the TiO <sub>2</sub> Nanosheets Array under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28251-28255.                     | 4.0  | 222       |
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| 47 | Controllable Synthesis of Few-Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO <sub>2</sub> Reduction Performance. <i>Angewandte Chemie</i> , 2018, 130, 13467-13471.   | 1.6  | 42        |
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