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Recent progress of the Maxene's for energy applications

MXenes, a family of two-dimensional (2D) transition metal carbides, nitrides and carbonitrides, have garnered a global attention because of their promising applications in Energy convention and storage (ECS), Electromagnetic interference shielding sensing, catalysis, biomedicine, and more. In the past several years, many MXenes derivatives with different structures have been successfully prepared and their impressive performance demonstrated in ECS. Here we are going to discuss the recent advances of the state of art protocols and other parameters for improving the efficiencies of MXenes for energy conversion and storage applications.

Keywords: 2D materials; Energy; Mxene; Synthesis methods

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