



2D Crystals for Zeroing Energy Expenses in the Construction Sector

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Message from the Guest Editors

Innovative materials have led to new structural and energy performance levels in construction, often revolutionising the industry. Two-dimensional materials are characterised by extraordinary properties (e.g. physical and chemical), yet applications in the construction sector are still limited. However, applying 2D materials in construction composites can open up new scenarios in the progressive decarbonisation of the construction sector and contribute to a reduction in the environmental impact of the building industry. This Special Issue is intended to be a cornerstone in the literature on the applications of 2D materials, such as graphene and graphene-related materials, in the construction sector to achieve a net zero construction industry. In addition, it aims to collect the main research experiences concerning the main production techniques suitable for the construction sector and lessons learnt from other advanced construction materials with the potential of driving improvements in the 2D sector. The preferred types of articles are research articles, reviews, and communications. The main topics concern applications of 2D materials in construction materials.





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Message from the Editor-in-Chief

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