



buildings



Special Issue Reprint

New Concrete Materials: Performance Analysis and Research

www.mdpi.com/books/reprint/9814

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ISBN 978-3-7258-2018-4 (Hardback)
ISBN 978-3-7258-2017-7 (PDF)



With the development of civil engineering, the requirements for the performance of concrete materials are increasing, which has prompted researchers to develop many new types of concrete materials. This reprint originates from a Special Issue of Buildings titled "New Concrete Materials: Performance Analysis and Research", which aims to encourage scientists and researchers to publish their experimental and theoretical findings on new concrete materials and contribute to the promotion and citation of new concrete materials. This Special Issue includes new concrete materials developed under different usage conditions, used for preparing road bricks and piles, laying highways, and constructing buildings in marine environments. Based on different types of loads and stress characteristics, the performance of various new concrete materials was studied. Combining multi-scale analysis methods to gain a deeper understanding of the reinforcement and failure mechanisms of new concrete materials. In this Reprint, the main research results of the accepted papers in the Special Issue are summarized, and some research questions and directions are pointed out.



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