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- Study of mineral additives for cement materials for 3D-printing in construction;
- Nanoscale modifier as an adhesive for hollow microspheres to increase the strength of high-strength lightweight concrete;
- Features of the defectiveness of nanomodified high-strength lightweight concrete based on hollow microspheres;
- A method for the reduction of deformation of high-strength lightweight cement concrete;
- Methodology of nanomodified binder examination: Experimental and numerical ab initio studies;
- High-strength lightweight concrete mixtures based on hollow microspheres: Technological features and industrial experience of preparation;
- Average density and porosity of high-strength lightweight concrete;
- Technical and economical efficiency for application of nanomodified high-strength lightweight concretes.