

Chrysoula Litina

List of Publications by Year in descending order

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17
papers

893
citations

759233

12
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Self-Healing Concrete for Damage Management of Structures. Advanced Materials Interfaces, 2018, 5, 1800074.	3.7	412
2	First UK field application and performance of microcapsule-based self-healing concrete. Construction and Building Materials, 2019, 208, 669-685.	7.2	132
3	Addressing the need for standardization of test methods for self-healing concrete: an inter-laboratory study on concrete with macrocapsules. Science and Technology of Advanced Materials, 2020, 21, 661-682.	6.1	50
4	A novel biomimetic design of a 3D vascular structure for self-healing in cementitious materials using Murray's law. Materials and Design, 2020, 190, 108572.	7.0	47
5	Preparation and polymeric encapsulation of powder mineral pellets for self-healing cement based materials. Construction and Building Materials, 2018, 186, 247-262.	7.2	44
6	Development and Application of Novel Sodium Silicate Microcapsule-Based Self-Healing Oil Well Cement. Materials, 2020, 13, 456.	2.9	38
7	First generation microcapsule-based self-healing cementitious construction repair materials. Construction and Building Materials, 2020, 255, 119389.	7.2	34
8	Investigation of the dispersion of multi-layer graphene nanoplatelets in cement composites using different superplasticiser treatments. Construction and Building Materials, 2021, 293, 123543.	7.2	31
9	Evaluation of Methodologies for Assessing Self-Healing Performance of Concrete with Mineral Expansive Agents: An Interlaboratory Study. Materials, 2021, 14, 2024.	2.9	29
10	Feasibility of Using 3D Printed Polyvinyl Alcohol (PVA) for Creating Self-Healing Vascular Tunnels in Cement System. Materials, 2019, 12, 3872.	2.9	22
11	Effect of Natural Graphite Fineness on the Performance and Electrical Conductivity of Cement Paste Mixes for Self-Sensing Structures. Materials, 2020, 13, 5833.	2.9	17
12	Biomimetic cementitious construction materials for next-generation infrastructure. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2018, 171, 67-76.	1.7	13
13	Optimisation of rheological parameters and mechanical properties of Engineered Cementitious Composites (ECC) using regression-based models. Construction and Building Materials, 2021, 310, 125281.	7.2	8
14	First UK Commercial Deployment of Microcapsule-Based Self-Healing Reinforced Concrete. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	7
15	A novel membrane emulsification technique for microencapsulation in self-healing concrete: development and proof of concept. Engineering Research Express, 2021, 3, 025015.	1.6	5
16	The first microcapsule-based self-healing cement-bentonite cut-off wall materials. Geotechnique, 2023, 73, 105-114.	4.0	3
17	Development of sustainable concrete repair materials via microencapsulated agents. MATEC Web of Conferences, 2019, 289, 11002.	0.2	1