

# Chrysoula Litina

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

893  
citations

758635

12  
h-index

887659

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

574  
citing authors

#	ARTICLE	IF	CITATIONS
1	The first microcapsule-based self-healing cement–bentonite cut-off wall materials. <i>Geotechnique</i> , 2023, 73, 105-114.	2.2	3
2	A novel membrane emulsification technique for microencapsulation in self-healing concrete: development and proof of concept. <i>Engineering Research Express</i> , 2021, 3, 025015.	0.8	5
3	Evaluation of Methodologies for Assessing Self-Healing Performance of Concrete with Mineral Expansive Agents: An Interlaboratory Study. <i>Materials</i> , 2021, 14, 2024.	1.3	29
4	First UK Commercial Deployment of Microcapsule-Based Self-Healing Reinforced Concrete. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	7
5	Investigation of the dispersion of multi-layer graphene nanoplatelets in cement composites using different superplasticiser treatments. <i>Construction and Building Materials</i> , 2021, 293, 123543.	3.2	31
6	Optimisation of rheological parameters and mechanical properties of Engineered Cementitious Composites (ECC) using regression-based models. <i>Construction and Building Materials</i> , 2021, 310, 125281.	3.2	8
7	Addressing the need for standardization of test methods for self-healing concrete: an inter-laboratory study on concrete with macrocapsules. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 661-682.	2.8	50
8	A novel biomimetic design of a 3D vascular structure for self-healing in cementitious materials using Murray's law. <i>Materials and Design</i> , 2020, 190, 108572.	3.3	47
9	Development and Application of Novel Sodium Silicate Microcapsule-Based Self-Healing Oil Well Cement. <i>Materials</i> , 2020, 13, 456.	1.3	38
10	First generation microcapsule-based self-healing cementitious construction repair materials. <i>Construction and Building Materials</i> , 2020, 255, 119389.	3.2	34
11	Effect of Natural Graphite Fineness on the Performance and Electrical Conductivity of Cement Paste Mixes for Self-Sensing Structures. <i>Materials</i> , 2020, 13, 5833.	1.3	17
12	Development of sustainable concrete repair materials via microencapsulated agents. <i>MATEC Web of Conferences</i> , 2019, 289, 11002.	0.1	1
13	First UK field application and performance of microcapsule-based self-healing concrete. <i>Construction and Building Materials</i> , 2019, 208, 669-685.	3.2	132
14	Feasibility of Using 3D Printed Polyvinyl Alcohol (PVA) for Creating Self-Healing Vascular Tunnels in Cement System. <i>Materials</i> , 2019, 12, 3872.	1.3	22
15	Biomimetic cementitious construction materials for next-generation infrastructure. <i>Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction</i> , 2018, 171, 67-76.	1.1	13
16	A Review of Self-Healing Concrete for Damage Management of Structures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800074.	1.9	412
17	Preparation and polymeric encapsulation of powder mineral pellets for self-healing cement based materials. <i>Construction and Building Materials</i> , 2018, 186, 247-262.	3.2	44