

Chrysoula Litina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6233741/publications.pdf>

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	A Review of Self-Healing Concrete for Damage Management of Structures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800074.	1.9	412
2	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
3	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
4	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
5	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
6	Development and Application of Novel Sodium Silicate Microcapsule-Based Self-Healing Oil Well Cement. <i>Materials</i> , 2020, 13, 456.	1.3	38
7	First generation microcapsule-based self-healing cementitious construction repair materials. <i>Construction and Building Materials</i> , 2020, 255, 119389.	3.2	34
8	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
9	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
10	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
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	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
13	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
14	First UK Commercial Deployment of Microcapsule-Based Self-Healing Reinforced Concrete. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	7
15	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
16	The first microcapsule-based self-healing cementitious bentonite cut-off wall materials. <i>Geotechnique</i> , 2023, 73, 105-114.	2.2	3
17	Development of sustainable concrete repair materials via microencapsulated agents. <i>MATEC Web of Conferences</i> , 2019, 289, 11002.	0.1	1