

Henk M Jonkers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7734675/publications.pdf>

Version: 2024-02-01

23
papers

2,868
citations

623188

14
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

1759
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of self-healing induced by polylactic-acid and alkanoates-derivates precursors on transport properties and chloride penetration resistance of sound and cracked mortar specimens. <i>Construction and Building Materials</i> , 2022, 319, 126081.	3.2	9
2	Assessment of Functional Performance, Self-Healing Properties and Degradation Resistance of Poly-Lactic Acid and Polyhydroxyalkanoates Composites. <i>Polymers</i> , 2022, 14, 926.	2.0	0
3	Gas chromatography to detect bacteria-based self-healing agents in concrete. <i>MATEC Web of Conferences</i> , 2022, 361, 07004.	0.1	1
4	From waste to self-healing concrete: A proof-of-concept of a new application for polyhydroxyalkanoate. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105206.	5.3	35
5	On the Applicability of a Precursor Derived from Organic Waste Streams for Bacteria-Based Self-Healing Concrete. <i>Frontiers in Built Environment</i> , 2021, 7, .	1.2	8
6	Self-healing capacity of mortars with added-in bio-plastic bacteria-based agents: Characterization and quantification through micro-scale techniques. <i>Construction and Building Materials</i> , 2021, 297, 123793.	3.2	14
7	Assessment of the self-healing capacity of cementitious materials through active thin sections. <i>Journal of Microscopy</i> , 2021, , .	0.8	2
8	Encapsulation Techniques and Test Methods of Evaluating the Bacteria-Based Self-Healing Efficiency of Concrete: A Literature Review. <i>Nordic Concrete Research</i> , 2020, 62, 63-85.	0.3	10
9	An Improved Test for Generating Rapid, Accurate, and Reliable Crack Permeability Data for Cementitious Materials. <i>International Journal of Civil Engineering</i> , 2019, 17, 645-652.	0.9	7
10	Volume Fraction, Thickness, and Permeability of the Sealing Layer in Microbial Self-Healing Concrete Containing Biogranules. <i>Frontiers in Built Environment</i> , 2018, 4, .	1.2	20
11	A Review of Self-Healing Concrete for Damage Management of Structures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800074.	1.9	412
12	Toward Bio-based geo- & Civil Engineering for a Sustainable Society. <i>Procedia Engineering</i> , 2017, 171, 168-175.	1.2	10
13	<i>Bacillus sphaericus</i> LMG 22257 is physiologically suitable for self-healing concrete. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5101-5114.	1.7	109
14	A Bacteria-Based Self-Healing Cementitious Composite for Application in Low-Temperature Marine Environments. <i>Biomimetics</i> , 2017, 2, 13.	1.5	65
15	Bio-based Self-healing Mortar: An Experimental and Numerical Study. <i>Journal of Advanced Concrete Technology</i> , 2017, 15, 536-543.	0.8	28
16	Effect on Concrete Surface Water Absorption upon Addition of Lactate Derived Agent. <i>Coatings</i> , 2017, 7, 51.	1.2	24
17	Selection of Nutrient Used in Biogenic Healing Agent for Cementitious Materials. <i>Frontiers in Materials</i> , 2017, 4, .	1.2	24
18	A mathematical model for bacterial self-healing of cracks in concrete. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 4-12.	1.4	39

#	ARTICLE	IF	CITATIONS
19	Towards a Bacteria-Based Agent to Make Concrete Self-Healing. Materials Research Society Symposia Proceedings, 2012, 1488, 75.	0.1	3
20	Quantification of crack-healing in novel bacteria-based self-healing concrete. Cement and Concrete Composites, 2011, 33, 763-770.	4.6	780
21	Application of bacteria as self-healing agent for the development of sustainable concrete. Ecological Engineering, 2010, 36, 230-235.	1.6	1,041
22	Self Healing Concrete: A Biological Approach. Springer Series in Materials Science, 2007, , 195-204.	0.4	147
23	Photosynthesis-controlled calcification in a hypersaline microbial mat. Limnology and Oceanography, 2005, 50, 1836-1843.	1.6	80