

Robert E Davies

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/454296/publications.pdf>

Version: 2024-02-01

10
papers

717
citations

1306789

7
h-index

1473754

9
g-index

10
all docs

10
docs citations

10
times ranked

617
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	Large Scale Application of Self-Healing Concrete: Design, Construction, and Testing. <i>Frontiers in Materials</i> , 0, 5, .	1.2	75
3	A survey on problems encountered in current concrete construction and the potential benefits of self-healing cementitious materials. <i>Case Studies in Construction Materials</i> , 2018, 8, 238-247.	0.8	74
4	A shape memory polymer concrete crack closure system activated by electrical current. <i>Smart Materials and Structures</i> , 2018, 27, 075016.	1.8	40
5	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
6	Micromechanical modelling of self-healing cementitious materials. <i>International Journal of Solids and Structures</i> , 2017, 113-114, 180-191.	1.3	28
7	Crack healing of cementitious materials using shrinkable polymer tendons. <i>Structural Concrete</i> , 2013, 14, 138-147.	1.5	25
8	Characterisation of a vascular self-healing cementitious material system: Flow and curing properties. <i>Construction and Building Materials</i> , 2020, 245, 118332.	3.2	25
9	Development and Testing of Vascular Networks for Self-Healing Cementitious Materials. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	7
10	The simulation of inelastic matrix strains in cementitious materials using micromechanical solutions. <i>Engineering Fracture Mechanics</i> , 2015, 133, 191-210.	2.0	2