

# Wang Wenjing

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5241368/publications.pdf>

Version: 2024-02-01

15  
papers

639  
citations

759233

12  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immobilizing bacteria in expanded perlite for the crack self-healing in concrete. <i>Construction and Building Materials</i> , 2017, 148, 610-617.	7.2	221
2	Sugar-coated expanded perlite as a bacterial carrier for crack-healing concrete applications. <i>Construction and Building Materials</i> , 2020, 232, 117222.	7.2	83
3	Aragonite formation induced by open cultures of microbial consortia to heal cracks in concrete: Insights into healing mechanisms and crystal polymorphs. <i>Construction and Building Materials</i> , 2019, 224, 815-822.	7.2	63
4	Optimization of Sporulation and Germination Conditions of Functional Bacteria for Concrete Crack-Healing and Evaluation of their Repair Capacity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10938-10948.	8.0	63
5	Mix design for recycled aggregate thermal insulation concrete with mineral admixtures. <i>Magazine of Concrete Research</i> , 2014, 66, 492-504.	2.0	33
6	Bond performance of thermal insulation concrete under freeze-thaw cycles. <i>Construction and Building Materials</i> , 2016, 104, 116-125.	7.2	31
7	Microbial network of the carbonate precipitation process induced by microbial consortia and the potential application to crack healing in concrete. <i>Scientific Reports</i> , 2017, 7, 14600.	3.3	24
8	Applications of aerogel in cement-based thermal insulation materials: an overview. <i>Magazine of Concrete Research</i> , 2018, 70, 822-837.	2.0	21
9	Effect of physical properties of recycled coarse aggregate on the mechanical properties of recycled aggregate thermal insulation concrete (RATIC). <i>Construction and Building Materials</i> , 2018, 180, 229-238.	7.2	21
10	Seismic behaviour of recycled aggregate thermal insulation concrete (Ratic) shear walls. <i>Magazine of Concrete Research</i> , 2015, 67, 145-162.	2.0	20
11	Synthesis of composite insulation materials—expanded perlite filled with silica aerogel. <i>Journal of Porous Materials</i> , 2018, 25, 373-382.	2.6	19
12	Mechanical properties of thermal insulation concrete with a high volume of glazed hollow beads. <i>Magazine of Concrete Research</i> , 2015, 67, 693-706.	2.0	16
13	Shear behavior of reinforced glazed hollow bead insulation concrete beams. <i>Construction and Building Materials</i> , 2018, 174, 81-95.	7.2	13
14	Flexural performance of glazed hollow bead reinforced concrete beams. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 1698-1712.	3.1	6
15	Hysteretic Behavior and Restoring Force Model of Reinforced Glazed Hollow Bead Insulation Concrete (GIC) Columns. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 3049-3065.	1.9	2