

# Yang Yizhan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8511968/publications.pdf>

Version: 2024-02-01

22  
papers

391  
citations

1163117

8  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the expansion of concrete under attack of sulfate and sulfate“chloride ions. Construction and Building Materials, 2013, 39, 26-32.	7.2	158
2	A new diffusion model of sulfate ions in concrete. Construction and Building Materials, 2013, 39, 39-45.	7.2	120
3	Correlation of propagation rate of corrosive crack in concrete under sulfate attack and growth rate of delayed ettringite. Engineering Fracture Mechanics, 2019, 209, 333-343.	4.3	19
4	Entropy evolution during crack propagation in concrete under sulfate attack. Construction and Building Materials, 2019, 209, 492-498.	7.2	13
5	Damage evolution in fibrous composites caused by interfacial debonding. International Journal of Damage Mechanics, 2020, 29, 67-85.	4.2	13
6	Sensitivity analysis of the deterioration of concrete strength in marine environment to multiple corrosive ions. Frontiers of Structural and Civil Engineering, 2022, 16, 175-190.	2.9	11
7	Fractal Cracking Patterns in Concretes Exposed to Sulfate Attack. Materials, 2019, 12, 2338.	2.9	10
8	A novel chemo-mechanical model for fracture toughness of mortar under sulfate attack. Theoretical and Applied Fracture Mechanics, 2020, 109, 102762.	4.7	9
9	A Statistical Evolution Model of Concrete Damage Induced by Seawater Corrosion. Materials, 2021, 14, 1007.	2.9	9
10	Rate-Dependent Characteristic of Relaxation Time of Concrete. Acta Mechanica Solida Sinica, 2019, 32, 69-80.	1.9	8
11	A disclination model for twinning and de-twinning of nanotwinned copper. Philosophical Magazine, 2016, 96, 301-309.	1.6	7
12	Damage Layer Evolution of a Breakwater Under Seawater Attack: Testing and Modeling. Acta Mechanica Solida Sinica, 2020, 33, 1-13.	1.9	3
13	Experimental and Theoretical Analyses on the Density and Modulus Development of Concrete Under Continued Hydration. Acta Mechanica Solida Sinica, 2018, 31, 161-173.	1.9	2
14	Study on compression“expansion behaviour of PBXs substitutive materials. Plastics, Rubber and Composites, 2019, 48, 137-148.	2.0	2
15	Correlation Analyses on Physical and Mechanical Parameters of Concrete in Marine Environments. Materials, 2022, 15, 1812.	2.9	2
16	Weakening-strengthening evolution law of concrete flexural strength under sulfate attack. International Journal of Damage Mechanics, 2022, 31, 1187-1211.	4.2	2
17	Characterization of Crater Area in a Target Penetrated by a Wf/Zr-Based Amorphous Matrix Composite Projectile. Materials, 2020, 13, 5523.	2.9	1
18	Evolution of the Electrical Displacement and Energy Dissipation of Lead Zirconate-Titanate Ceramics under Cyclical Load. Advances in Materials Science and Engineering, 2020, 2020, 1-12.	1.8	1

#	ARTICLE	IF	CITATIONS
19	The Exponential Law Between Dwell Time and the Strength of PBX Substitute Material. Acta Mechanica Solida Sinica, 2021, 34, 204-220.	1.9	1
20	Experimental and Numerical Analysis of Shear Process of a High Particle Content Bonding Material. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	2.2	0
21	Correlation between polymer relaxation time and loading frequency based on LWLRA. Plastics, Rubber and Composites, 2022, 51, 133-144.	2.0	0
22	Electrochemical Corrosion Behavior of 18Ni 300 Maraging Steel Obtained by Laser Cladding Deposition and Selective Laser Melting in Corrosive Mediums: A Comparative Study. Journal of Materials Engineering and Performance, 0, , .	2.5	0