Chun-Tao Chen

List of Publications by Citations

31 papers	433 citations	14 h-index	20 g-index
33 ext. papers	556 ext. citations	4.1 avg, IF	3.93 L-index

#	Paper	IF	Citations
31	The effects of specimen parameters on the resistivity of concrete. *Construction and Building Materials*, **2014**, 71, 35-43	6.7	45
30	Influence of circulating fluidized bed combustion (CFBC) fly ash on properties of modified high volume low calcium fly ash (HVFA) cement paste. *Construction and Building Materials*, **2015**, 91, 208-215	6.7	42
29	High-gravity carbonation of basic oxygen furnace slag for CO2 fixation and utilization in blended cement. *Journal of Cleaner Production*, **2016**, 124, 350-360	10.3	41
28	Engineering and sulfate resistance properties of slag-CFBC fly ash paste and mortar. *Construction and Building Materials*, **2014**, 63, 40-48	6.7	39
27	Prediction of chloride diffusion in cement mortar using Multi-Gene Genetic Programming and Multivariate Adaptive Regression Splines. *Measurement: Journal of the International Measurement Confederation*, **2017**, 112, 141-149	4.6	32
26	Influence of Cyclic Humidity on Carbonation of Concrete. *Journal of Materials in Civil Engineering*, **2013**, 25, 1929-1935	3	23
25	Influence of low calcium fly ash on compressive strength and hydration product of low energy super sulfated cement paste. *Cement and Concrete Composites*, **2019**, 99, 40-48	8.6	22
24	Engineering properties and durability of high-strength self-compacting concrete with no-cement SFC binder. *Construction and Building Materials*, **2016**, 106, 670-677	6.7	22
23	Performance and microstructural examination on composition of hardened paste with no-cement SFC binder. *Construction and Building Materials*, **2015**, 76, 264-272	6.7	20
22	Mechanism of soil cementation by electroosmotic chemical treatment. *Applied Clay Science*, **2015**, 104, 135-142	5.2	20
21	Suitability of several current used concrete durability indices on evaluating the corrosion hazard for carbonated concrete. *Materials Chemistry and Physics*, **2004**, 84, 71-78	4.4	19
20	Cementitious properties and microstructure of an innovative slag eco-binder. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 2009-2024	3.4	19
19	Sulfate resistance of low energy SFC no-cement mortar. *Construction and Building Materials*, **2016**, 102, 239-243	6.7	17
18	Strength development of lime–pozzolana pastes with silica fume and fly ash. *Construction and Building Materials*, **2015**, 84, 294-300	6.7	16
17	Hydration Process and Compressive Strength of Slag-CFBC Fly Ash Materials without Portland Cement. *Journal of Materials in Civil Engineering*, **2015**, 27, 04014213	3	14
16	Mechanical properties and microstructural analysis of slag based cementitious binder with calcined dolomite as an activator. *Construction and Building Materials*, **2017**, 150, 345-354	6.7	11
15	A novel electroosmotic chemical treatment for improving the clay strength throughout the entire region. *Applied Clay Science*, **2018**, 153, 161-171	5.2	11

14	Investigation of chloride diffusion in cement mortar via statistical learning theory. *Magazine of Concrete Research*, **2016**, 68, 237-249	2	6
13	Cement□Dispersant Incompatibility due to Ettringite Bridging. *Journal of the American Ceramic Society*, **2011**, 94, 200-208	3.8	4
12	Strength development of cement pastes with alkali-activated dehydrated sewage sludge. *Construction and Building Materials*, **2020**, 255, 119243	6.7	3
11	Comparison Study of Dynamic Elastic Moduli of Cement Mortar and No-cement Slag Based Cementitious Mortar Activated with Calcined Dolomite with Impulse Excitation Technique. *MATEC Web of Conferences*, **2018**, 186, 02004	0.3	3
10	Improving the Mechanical and Durability Performance of No-Cement Self-Compacting Concrete by Fly Ash. *Journal of Materials in Civil Engineering*, **2020**, 32, 04020245	3	1
9	Circulating Fluidized Bed Combustion Fly Ash-Activated Slag Concrete as Novel Construction Material. *ACI Materials Journal*, **2015**, 112,	0.9	1
8	Physical-chemical characteristics of an eco-friendly binder using ternary mixture of industrial wastes. *Materiales De Construccion*, **2015**, 65, e064	1.8	1
7	Stiffening Behaviors of Cement Pastes Measured by a Vibrational Viscometer. *Advances in Civil Engineering Materials*, **2017**, 6, 20160061	0.7	1
6	Graphene oxide synthesis using a top□down approach and discrete characterization techniques: a holistic review. *Carbon Letters*,1	2.3	0
5	Engineering Properties and Microstructural Performance of Low Energy Super-Sulfated Cement Using Industrial Waste Anhydrite. *MATEC Web of Conferences*, **2017**, 130, 04001	0.3	
4	Stiffening of the Cement Paste Monitored Using Vibrating Fork Technique. *Advanced Materials Research*, **2013**, 723, 503-506	0.5	
3	Mix Proportion and Engineering Behavior of San-Ho-Tu Building Material for Temples and Ancestral Clan Houses. *RILEM Bookseries*, **2019**, 1585-1593	0.5	
2	Effect of Elevated Temperature on Engineering Properties of Ternary Blended No-cement Mortar. *MATEC Web of Conferences*, **2018**, 206, 02008	0.3	
1	Mechanical Properties of Eco-Friendly Self-consolidating Concrete Containing Ground Granulated Blast Furnace Slag and Calcined Dolomite. *Lecture Notes in Civil Engineering*, **2022**, 285-296	0.3	