

Wei-Ting Lin

List of Publications by Year in descending order

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65
papers

1,072
citations

430754

18
h-index

477173

29
g-index

65
all docs

65
docs citations

65
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of rock wool waste in cement-based composites. <i>Materials & Design</i> , 2011, 32, 636-642.	5.1	89
2	Mechanical and cementitious characteristics of ground granulated blast furnace slag and basic oxygen furnace slag blended mortar. <i>Materials & Design</i> , 2014, 60, 267-273.	5.1	69
3	Establishment of the durability indices for cement-based composite containing supplementary cementitious materials. <i>Materials & Design</i> , 2012, 37, 28-39.	5.1	65
4	Pore-structures and durability of concrete containing pre-coated fine recycled mixed aggregates using pozzolan and polyvinyl alcohol materials. <i>Construction and Building Materials</i> , 2018, 160, 278-292.	3.2	60
5	Mechanical Properties of Short Polymer Fiber-Reinforced Geopolymer Composites. <i>Journal of Composites Science</i> , 2020, 4, 128.	1.4	46
6	Mechanical Properties of Short Fiber-Reinforced Geopolymers Made by Casted and 3D Printing Methods: A Comparative Study. <i>Materials</i> , 2020, 13, 579.	1.3	40
7	Effect of NaOH concentration on properties and microstructure of a novel reactive ultra-fine fly ash geopolymer. <i>Advanced Powder Technology</i> , 2021, 32, 2929-2939.	2.0	38
8	Influence of polyolefin fibers on the engineering properties of cement-based composites containing silica fume. <i>Materials & Design</i> , 2012, 37, 569-576.	5.1	37
9	Effects of Leaching Behavior of Calcium Ions on Compression and Durability of Cement-Based Materials with Mineral Admixtures. <i>Materials</i> , 2013, 6, 1851-1872.	1.3	35
10	Effect of Metakaolin on Strength and Efflorescence Quantity of Cement-Based Composites. <i>Scientific World Journal</i> , The, 2013, 2013, 1-11.	0.8	35
11	Improved microstructure of cement-based composites through the addition of rock wool particles. <i>Materials Characterization</i> , 2013, 84, 1-9.	1.9	34
12	Waste-Based Pervious Concrete for Climate-Resilient Pavements. <i>Materials</i> , 2018, 11, 900.	1.3	29
13	Effects of sand/aggregate ratio on strength, durability, and microstructure of self-compacting concrete. <i>Construction and Building Materials</i> , 2020, 242, 118046.	3.2	28
14	Properties of Controlled Low Strength Material with Circulating Fluidized Bed Combustion Ash and Recycled Aggregates. <i>Materials</i> , 2018, 11, 715.	1.3	27
15	Mechanical and Fracture Properties of Long Fiber Reinforced Geopolymer Composites. <i>Materials</i> , 2021, 14, 5183.	1.3	24
16	Engineering Properties and Correlation Analysis of Fiber Cementitious Materials. <i>Materials</i> , 2014, 7, 7423-7435.	1.3	23
17	Micro-characterizations and geopolymerization mechanism of ternary cementless composite with reactive ultra-fine fly ash, red mud and recycled powder. <i>Construction and Building Materials</i> , 2022, 343, 128091.	3.2	21
18	Microstructures and mechanical properties of sodium-silicate-activated slag/co-fired fly ash cementless composites. <i>Journal of Cleaner Production</i> , 2020, 277, 124025.	4.6	20

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19	Utilizing residues of CFB co-combustion of coal, sludge and TDF as an alkali activator in eco-binder. <i>Construction and Building Materials</i> , 2015, 80, 69-75.	3.2	19
20	Determination of the Influence of Hydraulic Additives on the Foaming Process and Stability of the Produced Geopolymer Foams. <i>Materials</i> , 2021, 14, 5090.	1.3	19
21	Recycling of Sustainable Co-Firing Fly Ashes as an Alkali Activator for GGBS in Blended Cements. <i>Materials</i> , 2015, 8, 784-798.	1.3	16
22	Circulation Fluidized Bed Combustion Fly Ash as Partial Replacement of Fine Aggregates in Roller Compacted Concrete. <i>Materials</i> , 2019, 12, 4204.	1.3	16
23	Marine biofouling inhibition by polyurethane conductive coatings used for fishing net. <i>Journal of Coatings Technology Research</i> , 2010, 7, 111-117.	1.2	14
24	Feasibility and Characterization Mortar Blended with High-Amount Basic Oxygen Furnace Slag. <i>Materials</i> , 2019, 12, 6.	1.3	14
25	Self-Heating Ability of Geopolymers Enhanced by Carbon Black Admixtures at Different Voltage Loads. <i>Energies</i> , 2019, 12, 4121.	1.6	14
26	Fracture Behavior of Long Fiber Reinforced Geopolymer Composites at Different Operating Temperatures. <i>Materials</i> , 2022, 15, 482.	1.3	13
27	A method for testing the strength of concrete using uniaxial direct tension. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan</i> , 2013, 36, 295-303.	0.6	12
28	Properties Evaluation of Repair Mortars Containing EVA and VA/VeoVa Polymer Powders. <i>Polymers and Polymer Composites</i> , 2017, 25, 77-86.	1.0	12
29	Characterization and permeability of cement-based materials containing calcium fluoride sludge. <i>Construction and Building Materials</i> , 2019, 196, 564-573.	3.2	12
30	Rock wool wastes as a supplementary cementitious material replacement in cement-based composites. <i>Computers and Concrete</i> , 2013, 11, 93-104.	0.7	12
31	Development of Geopolymers Based on Fly Ashes from Different Combustion Processes. <i>Polymers</i> , 2022, 14, 1954.	2.0	12
32	Reactive ultra-fine fly ash as an additive for cement-based materials. <i>Materials Today Communications</i> , 2020, 25, 101466.	0.9	11
33	Review of Solutions for the Use of Phase Change Materials in Geopolymers. <i>Materials</i> , 2021, 14, 6044.	1.3	11
34	Effects of mold growth on building materials by different environments in Taiwan. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 1083-1090.	0.9	10
35	Abrasion Resistance of Concrete Containing Polyolefin Fibers and Silica Fumes. <i>Polymers and Polymer Composites</i> , 2014, 22, 437-442.	1.0	9
36	Engineering properties of controlled low-strength materials containing co-fired fly ash. <i>Monatshfte für Chemie</i> , 2017, 148, 1337-1347.	0.9	9

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37	Using GGBOS as the alkali activators in GGBS and GGBOS blended cements. <i>Construction and Building Materials</i> , 2014, 70, 501-507.	3.2	8
38	Utilization of Silicon Carbide Sludge as Metakaolin-Based Geopolymer Materials. <i>Sustainability</i> , 2020, 12, 7333.	1.6	8
39	Recycling of Mechanically Ground Wind Turbine Blades as Filler in Geopolymer Composite. <i>Materials</i> , 2021, 14, 6539.	1.3	8
40	Influence of SiC Sludge on the Microstructure of Geopolymers. <i>Materials</i> , 2020, 13, 2203.	1.3	7
41	Using Rock Wool Wastes as Partial Replacement of Cement in Cement-Based Composites. <i>Advanced Science Letters</i> , 2012, 8, 489-494.	0.2	7
42	Abrasion Properties of Steel Fiber Reinforced Silica Fume Concrete According to Los Angeles and Water Abrasion Tests. <i>Medziagotyra</i> , 2014, 20, .	0.1	6
43	Composite Properties of Non-Cement Blended Fiber Composites without Alkali Activator. <i>Materials</i> , 2020, 13, 1443.	1.3	6
44	Performance of Green Concrete and Inorganic Coating Materials. <i>Materials</i> , 2021, 14, 832.	1.3	6
45	Using Sugarcane Bagasse Ash as Partial Cement Replacement in Cement-Based Composites. <i>Advanced Science Letters</i> , 2012, 13, 762-767.	0.2	6
46	Engineering Properties of Ternary Cementless Blended Materials. <i>International Journal of Engineering and Technology Innovation</i> , 2020, 10, 191-199.	0.5	6
47	Optimizing the L/S Ratio in Geopolymers for the Production of Large-Size Elements with 3D Printing Technology. <i>Materials</i> , 2022, 15, 3362.	1.3	6
48	Application on cementitious materials to promote durability of alkali-activated concrete containing co-fired fly ash and water-quenched slag. <i>Monatshefte für Chemie</i> , 2017, 148, 1349-1354.	0.9	5
49	Effect of Mixture Variables on Durability for Alkali-Activated Slag Cementitious. <i>Materials</i> , 2018, 11, 2252.	1.3	5
50	Effect of Polyolefin Fibers and Supplementary Cementitious Materials on Corrosion Behavior of Cement-Based Composites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 888-896.	1.9	4
51	Comparative Analysis Between Fly Ash Geopolymer and Reactive Ultra-Fine Fly Ash Geopolymer. <i>International Journal of Engineering and Technology Innovation</i> , 2021, 11, 161-170.	0.5	4
52	A study on the mixed properties of green controlled low strength cementitious. <i>Materials Science-Poland</i> , 2021, 39, 59-74.	0.4	4
53	Properties Evaluation of Cement-Based Composites Containing Steel Fiber and Silica Fume. <i>Advanced Science Letters</i> , 2011, 4, 1155-1164.	0.2	4
54	Dose-mortality assessment upon toxicity potency of CFBC fly ash to <i>Escherichia coli</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 2-5.	2.7	3

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55	Recycling of light-emitting diode waste quartz sand as a pozzolanic material. <i>Journal of Cleaner Production</i> , 2020, 258, 120683.	4.6	3
56	The Effect of Incorporating Ultra-Fine Spherical Particles on Rheology and Engineering Properties of Commercial Ultra-High-Performance Grout. <i>Crystals</i> , 2021, 11, 1040.	1.0	3
57	Recycling of Silicon Carbide Sludge on the Preparation and Characterization of Lightweight Foamed Geopolymer Materials. <i>Polymers</i> , 2021, 13, 4029.	2.0	3
58	Corrosion assessment for spent nuclear fuel disposal in crystalline rock, using variant cases of hydrogeological modeling. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1.	1.3	2
59	Soil Structure Interaction Analysis of Diesel Oil Storage Tank in a Nuclear Power Plant. <i>Advanced Science Letters</i> , 2012, 8, 130-135.	0.2	2
60	Molecular sieve material from liquidâ€“crystal-display waste glass and silicon carbide sludge via hydrothermal process with alkali fusion pretreatment. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1081-1089.	1.6	1
61	Mechanical properties and microstructure of steel/iron slag blended mortar. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan</i> , 2015, 38, 968-974.	0.6	0
62	SEISMIC RESPONSE AND NUMERICAL VERIFICATION FOR A 1/25 SCALED-DOWN REINFORCED CONCRETE REACTOR BUILDING SPECIMEN. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2015, 39, 479-488.	0.3	0
63	Effect of Microstructure on Durability of Cement-Based Composites by Accelerating Calcium Leaching Test. <i>Advanced Science Letters</i> , 2012, 8, 772-776.	0.2	0
64	Effect of Polyolefin Fibers and Ultrafine Slag Powders on the Mechanical Properties and Permeability of Cement-Based Composites. <i>Advanced Science Letters</i> , 2012, 13, 712-715.	0.2	0
65	Comparison between simulation and experimental result of the scale down vertical concrete cask under the historical earthquake hit. <i>Journal of Vibroengineering</i> , 2016, 18, 3048-3056.	0.5	0