

# Run-Sheng Lin

## List of Publications by Year in descending order

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26  
papers

443  
citations

759233  
12  
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713466  
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26  
all docs

26  
docs citations

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times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential application of MoS <sub>2</sub> nanoflowers as photocatalysts in cement: Strength, hydration, and dye degradation properties. <i>Journal of Cleaner Production</i> , 2022, 330, 129947.	9.3	12
2	Performance of sustainable concrete made from waste oyster shell powder and blast furnace slag. <i>Journal of Building Engineering</i> , 2022, 47, 103918.	3.4	16
3	Preparation and Characterization of Nano-CaCO <sub>3</sub> /Ceresine Wax Composite Shell Microcapsules Containing E-44 Epoxy Resin for Self-Healing of Cement-Based Materials. <i>Nanomaterials</i> , 2022, 12, 197.	4.1	5
4	Compressive Strength Estimation and CO <sub>2</sub> Reduction Design of Fly Ash Composite Concrete. <i>Buildings</i> , 2022, 12, 139.	3.1	11
5	Energy Optimization Design of Limestone Hybrid Concrete in Consideration of Stress Levels and Carbonation Resistance. <i>Buildings</i> , 2022, 12, 342.	3.1	4
6	Effect of silicate-modified calcium oxide-based expansive agent on engineering properties and self-healing of ultra-high-strength concrete. <i>Journal of Building Engineering</i> , 2022, 50, 104230.	3.4	9
7	Hydration–Strength–Workability–Durability of Binary, Ternary, and Quaternary Composite Pastes. <i>Materials</i> , 2022, 15, 204.	2.9	9
8	Strengthening the performance of limestone-calcined clay cement (LC3) using nano silica. <i>Construction and Building Materials</i> , 2022, 340, 127723.	7.2	20
9	Effects of Na <sub>2</sub> CO <sub>3</sub> on engineering properties of cement–limestone powder–slag ternary blends. <i>Journal of Building Engineering</i> , 2022, 57, 104937.	3.4	7
10	Influence of K <sup>+</sup> and CO <sub>3</sub> <sup>2-</sup> in activator on high-temperature performance of alkali-activated slag-ceramic powder binary blends. <i>Case Studies in Construction Materials</i> , 2022, 17, e01306.	1.7	2
11	Experimental studies on hydration–strength–durability of limestone-cement-calcined Hwangtohy clay ternary composite. <i>Construction and Building Materials</i> , 2021, 269, 121290.	7.2	46
12	Macro–meso–micro experimental studies of calcined clay limestone cement (LC3) paste subjected to elevated temperature. <i>Cement and Concrete Composites</i> , 2021, 116, 103871.	10.7	55
13	Preparation and Characterization of Microcrystalline Wax/Epoxy Resin Microcapsules for Self-Healing of Cementitious Materials. <i>Materials</i> , 2021, 14, 1725.	2.9	11
14	Influence of external environment on self-repairing ability of the cement-based materials containing paraffin/toluene-di-isocyanate microcapsules. <i>Construction and Building Materials</i> , 2021, 281, 122584.	7.2	15
15	Effect of Waste Ceramic Powder on Properties of Alkali-Activated Blast Furnace Slag Paste and Mortar. <i>Polymers</i> , 2021, 13, 2817.	4.5	14
16	Investigation of isophorone diisocyanate microcapsules to improve self-healing properties and sulfate resistance of concrete. <i>Construction and Building Materials</i> , 2021, 300, 124438.	7.2	19
17	Behavior of Biochar-Modified Cementitious Composites Exposed to High Temperatures. <i>Materials</i> , 2021, 14, 5414.	2.9	7
18	Effects of cement types and addition of quartz and limestone on the normal and carbonation curing of cement paste. <i>Construction and Building Materials</i> , 2021, 305, 124799.	7.2	41

#	ARTICLE	IF	CITATIONS
19	Performance and sustainability of quaternary composite paste comprising limestone, calcined Hwangtoh clay, and granulated blast furnace slag. Journal of Building Engineering, 2021, 43, 102655.	3.4	15
20	Effects of toluene-di-isocyanate microcapsules on the frost resistance and self-repairing capability of concrete under freeze-thaw cycles. Journal of Building Engineering, 2021, 44, 102880.	3.4	12
21	Experimental study on optimum proportioning of Portland cements, limestone, metakaolin, and fly ash for obtaining quaternary cementitious composites. Case Studies in Construction Materials, 2021, 15, e00691.	1.7	2
22	Effect of Waste Ceramic Powder on the Properties of Alkali-Activated Slag and Fly Ash Pastes Exposed to High Temperature. Polymers, 2021, 13, 3797.	4.5	12
23	Model-Based Methods to Produce Greener Metakaolin Composite Concrete. Applied Sciences (Switzerland), 2021, 11, 10704.	2.5	5
24	Increasing the early strength of high-volume Hwangtoh-cement systems using bassanite. Journal of Building Engineering, 2020, 30, 101317.	3.4	14
25	Hydration and Microstructure of Cement Pastes with Calcined Hwangtoh Clay. Materials, 2019, 12, 458.	2.9	47
26	Effects of Quartz Powder on the Microstructure and Key Properties of Cement Paste. Sustainability, 2018, 10, 3369.	3.2	33