Chao-Wei Tang

List of Publications by Year
in descending order

23	529	840776 11	677142 22
papers	citations	h-index	g-index

23	23	23	485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reuse of incineration fly ashes and reaction ashes for manufacturing lightweight aggregate. Construction and Building Materials, 2010, 24, 46-55.	7.2	93
2	Producing synthetic lightweight aggregates from reservoir sediments. Construction and Building Materials, 2012, 28, 387-394.	7.2	84
3	Production of synthetic lightweight aggregate using reservoir sediments for concrete and masonry. Cement and Concrete Composites, 2011, 33, 292-300.	10.7	71
4	Mechanical Properties of Ultra-High Performance Concrete before and after Exposure to High Temperatures. Materials, 2020, 13, 770.	2.9	49
5	Self-Healing Concrete by Biological Substrate. Materials, 2019, 12, 4099.	2.9	41
6	Application of the Taguchi Method for Optimizing the Process Parameters of Producing Lightweight Aggregates by Incorporating Tile Grinding Sludge with Reservoir Sediments. Materials, 2017, 10, 1294.	2.9	25
7	Mix Design and Mechanical Properties of High-Performance Pervious Concrete. Materials, 2019, 12, 2577.	2.9	24
8	Modeling Local Bond Stressâ€“Slip Relationships of Reinforcing Bars Embedded in Concrete with Different Strengths. Materials, 2020, 13, 3701.	2.9	16
9	Paper Sludge Reuse in Lightweight Aggregates Manufacturing. Materials, 2016, 9, 876.	2.9	14
10	Properties of Fired Bricks Incorporating TFT-LCD Waste Glass Powder with Reservoir Sediments. Sustainability, 2018, 10, 2503.	3.2	14
11	Research on the International Roughness Index Threshold of Road Rehabilitation in Metropolitan Areas: A Case Study in Taipei City. Sustainability, 2020, 12, 10536.	3.2	12
12	Residual Mechanical Properties of Fiber-Reinforced Lightweight Aggregate Concrete after Exposure to Elevated Temperatures. Applied Sciences (Switzerland), 2020, 10, 3519.	2.5	12
13	Research on Improving Concrete Durability by Biomineralization Technology. Sustainability, 2020, 12, 1242.	3.2	11
14	Producing synthetic lightweight aggregates by treating waste TFT-LCD glass powder and reservoir sediments. Computers and Concrete, 2014, 13, 325-342.	0.7	11
15	Mix Design and Engineering Properties of Fiber-Reinforced Pervious Concrete Using Lightweight Aggregates. Applied Sciences (Switzerland), 2022, 12, 524.	2.5	10
16	Engineering Properties of Self-Consolidating Lightweight Aggregate Concrete and Its Application in Prestressed Concrete Members. Sustainability, 2018, 10, 142.	3.2	9
17	Application of the Taguchi Method for Optimizing the Process Parameters of Producing Controlled Low-Strength Materials by Using Dimension Stone Sludge and Lightweight Aggregates. Sustainability, 2021, 13, 5576.	3.2	9
18	Sustainable Use of Sludge from Industrial Park Wastewater Treatment Plants in Manufacturing Lightweight Aggregates. Materials, 2022, 15, 1785.	2.9	6

#	Article	IF	Citations
19	Partial Replacement of Fine Aggregate Using Water Purification Sludge in Producing CLSM. Sustainability, 2019, 11, 1351.	3.2	5
20	Modeling Uniaxial Bond Stressâ€“Slip Behavior of Reinforcing Bars Embedded in Concrete with Different Strengths. Materials, 2021, 14, 783.	2.9	5
21	Flexural Behavior of Ultra-High-Performance Fiber-Reinforced Concrete Beams after Exposure to High Temperatures. Materials, 2021, 14, 5400.	2.9	4
22	Evaluation of Pavement Roughness by the International Roughness Index for Sustainable Pavement Construction in New Taipei City. Sustainability, 2022, 14, 6982.	3.2	4
23	A clonal selection algorithm model for daily rainfall data prediction. Water Science and Technology, 2014, 70, 1641-1647.	2.5	0