

# Chee Ghuan Tan

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

325  
citations

1040056

9  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of the Seismic Behavior of a Steel Transmission Tower Subjected to Single and Repeated Seismic Excitations Using Vulnerability Function and Collapse Margin Ratio. Applied Sciences (Switzerland), 2022, 12, 1984.	2.5	3
2	Review on generating optimal operation for dam and reservoir water system: simulation models and optimization algorithms. Applied Water Science, 2022, 12, 1.	5.6	4
3	Insights into the Multifaceted Applications of Architectural Concrete: A State-of-the-Art Review. Arabian Journal for Science and Engineering, 2021, 46, 4213-4223.	3.0	5
4	<i>In-vitro</i> performance of posterior fiber reinforced composite (FRC) bridge with different framework designs. Dental Materials Journal, 2021, 40, 584-591.	1.8	3
5	Development of Crack Width Prediction Models for RC Beam-Column Joint Subjected to Lateral Cyclic Loading Using Machine Learning. Applied Sciences (Switzerland), 2021, 11, 7700.	2.5	4
6	Comparative seismic RISK assessment of existing RC buildings using seismic vulnerability index approach. Structures, 2021, 32, 889-913.	3.6	9
7	Performance of a Ductile Hybrid Post-Tensioned Beam-to-Column Connection for Precast Concrete Frames under Seismic Loads: A Review. Applied Sciences (Switzerland), 2021, 11, 7497.	2.5	4
8	Torsional Crack Localization in Palm Oil Clinker Concrete Using Acoustic Emission Method. Materials, 2021, 14, 5446.	2.9	1
9	Crack assessment of RC beam-column joints subjected to cyclic lateral loading using acoustic emission (AE): the influence of shear links aspect. Canadian Journal of Civil Engineering, 2021, 48, 1274-1286.	1.3	2
10	Assessment of Seismic Building Vulnerability Using Rapid Visual Screening Method through Web-Based Application for Malaysia. Buildings, 2021, 11, 485.	3.1	18
11	Viability of agricultural wastes as substitute of natural aggregate in concrete: A review on the durability-related properties. Journal of Cleaner Production, 2020, 275, 123062.	9.3	41
12	A Case Study on Structural Failure of Reinforced Concrete Beam-Column Joint After the First Significant Earthquake Impact in Malaysia. International Journal of Integrated Engineering, 2020, 12, .	0.4	6
13	Seismic fragility assessment for moment-resisting concrete frame with setback under repeated earthquakes. Asian Journal of Civil Engineering, 2019, 20, 465-477.	1.6	20
14	Geological assessment for tunnel excavation under river with shallow overburden using surface site investigation data and electrical resistivity tomography. Measurement: Journal of the International Measurement Confederation, 2019, 144, 260-274.	5.0	13
15	Mechanical characteristics and flexural behaviour of fibre-reinforced cementitious composite containing PVA and basalt fibres. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	20
16	Fragility Curves of Regular and Irregular Moment-Resisting Concrete and Steel Frames. International Journal of Civil Engineering, 2018, 16, 917-927.	2.0	18
17	Microstructural characterization and mechanical properties of bottom ash mortar. Journal of Cleaner Production, 2018, 170, 797-804.	9.3	60
18	Behaviour of fibre-reinforced cementitious composite containing high-volume fly ash at elevated temperatures. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Monitoring Corrosion Process of Reinforced Concrete Structure Using FBG Strain Sensor. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2148-2155.	4.7	58
20	Soft storey effects on plastic hinge propagation of moment resisting reinforced concrete building subjected to Ranau earthquake. AIP Conference Proceedings, 2017, , .	0.4	4
21	Breakdown field enhancement of Si-based MOS capacitor by post-deposition annealing of the reactive sputtered ZrOxNy gate oxide. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
22	Seismic microzonation for Penang using geospatial contour mapping. Natural Hazards, 2014, 73, 657-670.	3.4	11
23	Effects of Site Classification on Empirical Correlation between Shear Wave Velocity and Standard Penetration Resistance for Soils. Applied Mechanics and Materials, 0, 284-287, 1305-1310.	0.2	4