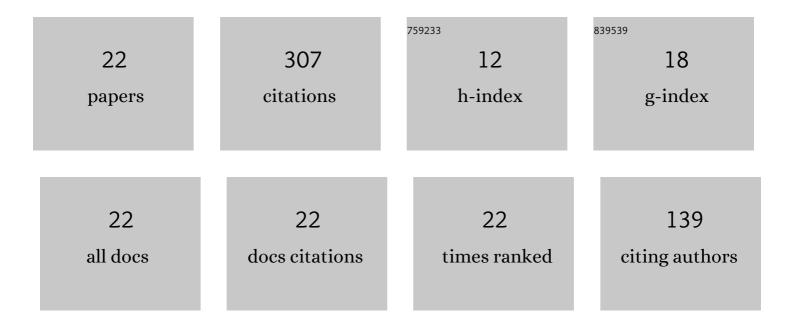
Ray Kai Leung Su

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A double-cylinder model incorporating confinement effects for the analysis of corrosion-caused cover cracking in reinforced concrete structures. Corrosion Science, 2015, 99, 205-218.	6.6	43
2	Corrosion rate measurement by using polarization resistance method for microcell and macrocell corrosion: Theoretical analysis and experimental work with simulated concrete pore solution. Construction and Building Materials, 2021, 267, 121003.	7.2	39
3	Concrete cover delamination model for non-uniform corrosion of reinforcements. Construction and Building Materials, 2019, 223, 329-340.	7.2	24
4	Development of seismic fragility curves for low-rise masonry infilled reinforced concrete buildings by a coefficient-based method. Earthquake Engineering and Engineering Vibration, 2013, 12, 319-332.	2.3	19
5	A novel elastic-body-rotation model for concrete cover spalling caused by non-uniform corrosion of reinforcement. Construction and Building Materials, 2019, 213, 549-560.	7.2	17
6	A displacement-based inverse analysis method to estimate in-situ Young's modulus of steel rust in reinforced concrete. Engineering Fracture Mechanics, 2018, 192, 114-128.	4.3	16
7	Influence of rebar geometry on the steel-concrete interface of reinforced concrete. Construction and Building Materials, 2021, 304, 124668.	7.2	16
8	Assessment of vibrations induced in factories by automated guided vehicles. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2013, 166, 182-196.	0.8	15
9	Corner cracking model for non-uniform corrosion-caused deterioration of concrete covers. Construction and Building Materials, 2020, 234, 117410.	7.2	15
10	Framework to optimise two-dimensional DIC measurements at different orders of accuracy for concrete structures. Structures, 2020, 28, 93-105.	3.6	15
11	A Wasserstein distance-based analogous method to predict distribution of non-uniform corrosion on reinforcements in concrete. Construction and Building Materials, 2019, 226, 965-975.	7.2	13
12	Effect of high rebar temperature during casting on corrosion in carbonated concrete. Construction and Building Materials, 2020, 249, 118718.	7.2	13
13	Fragility analysis of lowâ€rise masonry inâ€filled reinforced concrete buildings by a coefficientâ€based spectral acceleration method. Earthquake Engineering and Structural Dynamics, 2012, 41, 697-713.	4.4	11
14	A study on AGV-induced floor micro-vibration in TFT-LCD high-technology fabs. Structural Control and Health Monitoring, 2012, 19, 451-471.	4.0	10
15	In-situ deformation modulus of rust in concrete under different levels of confinement and rates of corrosion. Construction and Building Materials, 2020, 255, 119369.	7.2	10
16	Concrete cover tensile capacity of corroded reinforced concrete. Construction and Building Materials, 2017, 136, 57-64.	7.2	9
17	Experimental investigation of the process of corrosion-caused cover cracking. Construction and Building Materials, 2020, 253, 119166.	7.2	7
18	Quantification of the actual expansion and deposition of rust in reinforced concrete. Construction and Building Materials, 2021, 297, 123760.	7.2	7

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#	Article	IF	CITATIONS
19	Experimental investigation of process of corrosion-induced cover delamination using digital image correlation. Construction and Building Materials, 2021, 312, 125287.	7.2	6
20	Fragility analysis of floor micro vibrations induced by internal vehicles in high technology factories. Structures, 2022, 40, 679-692.	3.6	2
21	Improved one-phase model of uniform corrosion for predicting the volume of rust. Magazine of Concrete Research, 2020, 72, 1081-1088.	2.0	0
22	Experimental study of corrosion-caused corner cracking using digital image correlation. Materials and Structures/Materiaux Et Constructions, 2022, 55, .	3.1	0