

# Punyawut Jiradilok

## List of Publications by Year in descending order

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14  
papers

197  
citations

1163117

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1058476

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docs citations

14  
times ranked

82  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the effect of rebar corrosion order and arrangement on cracking behaviour of RC panels using 3D discrete analysis. <i>Construction and Building Materials</i> , 2022, 325, 126730.	7.2	8
2	3D mesoscale simulation of the influence of corrosion on loss of tension stiffening in reinforced concrete. <i>Construction and Building Materials</i> , 2022, 339, 127684.	7.2	7
3	Mesoscale simulation of pull-out performance for corroded reinforcement with stirrup confinement in concrete by 3D RBSM. <i>Cement and Concrete Composites</i> , 2021, 116, 103895.	10.7	20
4	Estimation of internal corrosion degree from observed surface cracking of concrete using mesoscale simulation with Model Predictive Control. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021, 36, 544-559.	9.8	15
5	Investigation of the effects of multiple and multi-directional reinforcement on corrosion-induced concrete cracking pattern. <i>Construction and Building Materials</i> , 2021, 283, 122594.	7.2	12
6	Direct observation of the local bond behavior between corroded reinforcing bars and concrete using digital image correlation. <i>Cement and Concrete Composites</i> , 2021, 123, 104180.	10.7	13
7	Estimating corrosion levels along confined steel bars in concrete using surface crack measurements and mesoscale simulations guided by model predictive control. <i>Cement and Concrete Composites</i> , 2021, 124, 104233.	10.7	8
8	Development of discrete meso-scale bond model for corrosion damage at steel-concrete interface based on tests with/without concrete damage. <i>Construction and Building Materials</i> , 2020, 236, 117615.	7.2	38
9	Discrete mesoscale analysis of adhesive anchors under tensile load taking into account post-installed reinforcement. <i>Construction and Building Materials</i> , 2020, 262, 120778.	7.2	4
10	Evaluation of crack-bridging strength degradation in SFRC structural beams under flexural fatigue. <i>Composite Structures</i> , 2020, 244, 112267.	5.8	6
11	Analytical investigation of the role of reinforcement in perpendicular beams of beam-column knee joints by 3D meso-scale model. <i>Engineering Structures</i> , 2020, 210, 110347.	5.3	16
12	A mesoscale discrete model for mechanical performance of concrete damaged by coupled ASR and DEF. <i>Engineering Fracture Mechanics</i> , 2020, 232, 107055.	4.3	19
13	Analysis of Seismic Performance of Suspension Bridge in Myanmar. <i>Journal of Disaster Research</i> , 2020, 15, 360-367.	0.7	1
14	Expansive cracking and compressive failure simulations of ASR and DEF damaged concrete using a mesoscale discrete model. <i>Cement and Concrete Composites</i> , 2019, 104, 103404.	10.7	30