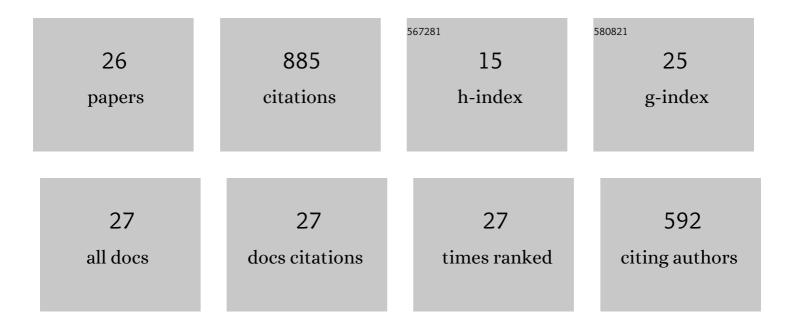
Ignasi Fernandez

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9501917/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Monitoring of new and existing stainless-steel reinforced concrete structures by clad distributed optical fibre sensing. Structural Health Monitoring, 2023, 22, 257-275.	7.5	6
2	The interplay between corrosion and cracks in reinforced concrete beams with non-uniform reinforcement corrosion. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	3.1	13
3	Crack monitoring in reinforced concrete beams by distributed optical fiber sensors. Structure and Infrastructure Engineering, 2021, 17, 124-139.	3.7	89
4	Bond of naturally corroded, plain reinforcing bars in concrete. Structure and Infrastructure Engineering, 2021, 17, 792-808.	3.7	9
5	Assessment and visualization of performance indicators of reinforced concrete beams by distributed optical fibre sensing. Structural Health Monitoring, 2021, 20, 3309-3326.	7.5	35
6	A closer look at corrosion of steel reinforcement bars in concrete using 3D neutron and X-ray computed tomography. Cement and Concrete Research, 2021, 144, 106439.	11.0	39
7	Characterization of concrete shrinkage induced strains in internally-restrained RC structures by distributed optical fiber sensing. Cement and Concrete Composites, 2021, 120, 104058.	10.7	23
8	Numerical assessment of bond-slip relationships for naturally corroded plain reinforcement bars in concrete beams. Engineering Structures, 2021, 239, 112309.	5.3	13
9	Long-Term Performance of Distributed Optical Fiber Sensors Embedded in Reinforced Concrete Beams under Sustained Deflection and Cyclic Loading. Sensors, 2021, 21, 6338.	3.8	15
10	A fiber optics enriched Digital Twin for assessment of reinforced concrete structures. , 2021, , .		1
11	Assessment of the mechanical behaviour of reinforcement bars with localised pitting corrosion by Digital Image Correlation. Engineering Structures, 2020, 219, 110936.	5.3	42
12	Anchorage of naturally corroded, plain reinforcement bars in flexural members. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	3.1	6
13	Mechanical Properties of 30ÂYear-Old Naturally Corroded Steel Reinforcing Bars. International Journal of Concrete Structures and Materials, 2019, 13, .	3.2	35
14	An old bridge transformed into a new one: possible, recommendable?. , 2019, , .		0
15	Ultimate Capacity of Corroded Statically Indeterminate Reinforced Concrete Members. International Journal of Concrete Structures and Materials, 2018, 12, .	3.2	15
16	Evaluation of corrosion level of naturally corroded bars using different cleaning methods, computed tomography, and 3D optical scanning. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	26
17	Corrosion-induced cracking and bond behaviour of corroded reinforcement bars in SFRC. Composites Part B: Engineering, 2017, 113, 123-137.	12.0	60
18	Investigating correlations between crack width, corrosion level and anchorage capacity. Structure and Infrastructure Engineering, 2017, 13, 1294-1307.	3.7	42

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#	Article	IF	CITATIONS
19	Four levels to assess anchorage capacity of corroded reinforcement in concrete. Engineering Structures, 2017, 147, 434-447.	5.3	12
20	Structural behaviour of prestressed concrete sleepers produced with high performance recycled aggregate concrete. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	3.1	13
21	Ultimate bond strength assessment of uncorroded and corroded reinforced recycled aggregate concretes. Construction and Building Materials, 2016, 111, 543-555.	7.2	38
22	Mechanical model to evaluate steel reinforcement corrosion effects on σ – ε and fatigue curves. Experimental calibration and validation. Engineering Structures, 2016, 118, 320-333.	5.3	58
23	3D FEM model development from 3D optical measurement technique applied to corroded steel bars. Construction and Building Materials, 2016, 124, 519-532.	7.2	48
24	Structural effects of steel reinforcement corrosion on statically indeterminate reinforced concrete members. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4959-4973.	3.1	40
25	Corrosion effects on the mechanical properties of reinforcing steel bars. Fatigue and σ–ε behavior. Construction and Building Materials, 2015, 101, 772-783.	7.2	146
26	Pull-out of textile reinforcement in concrete. Construction and Building Materials, 2014, 71, 63-71.	7.2	60