Elzbieta Szmigiera

List of Publications by Year
in descending order

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19 papers	143 citations	1307594 7 h-index	1281871 11 g-index
20 all docs	20 docs citations	20 times ranked	62 citing authors

#	Article	IF	Citations
1	New Model for Analytical Predictions on the Bending Capacity of Concrete Elements Reinforced with FRP Bars. Materials, 2021, 14, 693.	2.9	7
2	Analysis of shrinkage influence on bond in CFST elements filled with SCC. Journal of Constructional Steel Research, 2021, 184, 106824.	3.9	9
3	Concrete corrosion in a wastewater treatment plant â€“ A comprehensive case study. Construction and Building Materials, 2021, 303, 124388.	7.2	22
4	Post-Fire Characteristics of Concrete Beams Reinforced with Hybrid FRP Bars. Materials, 2020, 13, 1248.	2.9	18
5	Tensile and Shear Testing of Basalt Fiber Reinforced Polymer (BFRP) and Hybrid Basalt/Carbon Fiber Reinforced Polymer (HFRP) Bars. Materials, 2020, 13, 5839.	2.9	16
6	State-of-the-Art on Fire Resistance Aspects of FRP Reinforcing Bars. IOP Conference Series: Materials Science and Engineering, 2019, 661, 012081.	0.6	6
7	On Mechanical Characteristics of HFRP Bars with Various Types of Hybridization. , 2018, , 653-658.		7
8	Development of Innovative HFRP Bars. MATEC Web of Conferences, 2018, 196, 04087.	0.2	7
9	Ductility assessment of two-chord composite steel-concrete battened columns. Structure and Infrastructure Engineering, 2017, 13, 1414-1424.	3.7	4
10	08.31: Analysis of the load transfer between materials in composite concrete encased steel columns loaded axially. Ce/Papers, 2017, 1, 2090-2099.	0.3	2
11	Analysis of Stress in Steel and Concrete in Cfst Push-Out Test Samples. Civil and Environmental Engineering Reports, 2017, 26, 145-159.	0.3	3
12	Numerical estimation of concrete beams reinforced with FRP bars. MATEC Web of Conferences, 2016, 86, 02011.	0.2	3
13	Investigation of Behavior of Reinforced Concrete Elements Strengthened with FRP. Procedia Engineering, 2015, 111, 679-686.	1.2	11
14	Confinement of concrete in two-chord battened composite columns. Steel and Composite Structures, 2015, 19, 1511-1529.	1.3	0
15	Influence of the compaction method on the bond between steel and concrete in composite columns. Periodica Polytechnica: Civil Engineering, 2013, 57, 129.	0.6	2
16	Verbund zwischen Stahl und Selbstverdichtendem Beton in VerbundstÃ¼tzen. Stahlbau, 2012, 81, 616-620.	0.1	2
17	Finite Element Modeling of Composite Concrete-Steel Columns / Numeryczne Modelowanie Zespolonych SÅ‚upÃ³w Stalowo-Betonowych. Archives of Civil Engineering, 2011, 57, 373-388.	0.7	3
18	RESEARCH ON LOAD CAPACITY OF CONCRETE FILLED COLUMNS WITH BATTENED STEEL SECTIONS. Journal of Civil Engineering and Management, 2010, 16, 313-319.	3.5	9

#	Article	IF	Citations
19	INFLUENCE OF CONCRETE AND FIBRE CONCRETE ON THE LOADâ€CARRYING CAPACITY AND DEFORMABILITY OF COMPOSITE STEELâ€CONCRETE COLUMNS. Journal of Civil Engineering and Management, 2007, 13, 55-61.	3.5	11