

Gabriele Bertagnoli

List of Publications by Year in descending order

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384
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#	ARTICLE	IF	CITATIONS
1	Ceramic Stress Sensor Based on Thick Film Piezo-Resistive Ink for Structural Applications. <i>Sensors</i> , 2024, 24, 599.	4.0	2
2	Retrofitting of a Steel Truss Joint by Creating Composite Connections and PTMSs (Post-Tensioned) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.6	5
3	Effect of Environmental Parameters on Structural Health Status Assessment Using OMA Techniques. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1477.	2.6	2
4	Preliminary Investigation on Steel Jacketing Retrofitting of Concrete Bridges Half-Joints. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 8181.	2.6	6
5	Performance of two innovative stress sensors imbedded in mortar joints of new masonry elements. <i>Construction and Building Materials</i> , 2021, 297, 123764.	7.6	18
6	Influence of Slenderness on the Evaluation of Epistemic Uncertainty Related to Non-Linear Numerical Analysis of RC Columns. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1203, 032102.	0.5	1
7	Assessment of out-of-plane strength of masonry infills through a FE augmented dataset. <i>Procedia Structural Integrity</i> , 2021, 33, 896-906.	1.0	2
8	Partial factor methods for existing structures according to <i>fib</i> Bulletin 80: Assessment of an existing prestressed concrete bridge. <i>Structural Concrete</i> , 2020, 21, 15-31.	2.9	41
9	Seismic Upgrading of Existing Reinforced Concrete Buildings Using Friction Pendulum Devices: A Probabilistic Evaluation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8980.	2.6	11
10	Calibration of Ground Pressure on Tunnel Lining in Genetic Algorithm Application for Structural Monitoring. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 960, 022096.	0.5	0
11	Resistance model uncertainty in non-linear finite element analyses of cyclically loaded reinforced concrete systems. <i>Engineering Structures</i> , 2020, 211, 110496.	5.7	92
12	Large Scale Monitoring System for Existing Structures and Infrastructures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 603, 052042.	0.5	10
13	Assessment of an existing prestressed concrete bridge according to the partial factor method for existing structures (fib Bulletin 80). <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 603, 022073.	0.5	1
14	Evaluation of internal actions in tunnel lining applying genetic algorithms to monitoring data. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 603, 052043.	0.5	1
15	Reliability-based evaluation of bond strength for tensed lapped joints and anchorages in new and existing reinforced concrete structures. <i>Structural Concrete</i> , 2018, 19, 904-917.	2.9	20
16	Partial safety factor for resistance model uncertainties in 2D non-linear finite element analysis of reinforced concrete structures. <i>Engineering Structures</i> , 2018, 176, 746-762.	5.7	94
17	A simplified method for predicting early-age stresses in slabs of steel-concrete composite beams in partial interaction. <i>Engineering Structures</i> , 2017, 140, 286-297.	5.7	25
18	Prediction of Cracking Induced by Indirect Actions in RC Structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 245, 022001.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Autogenous Crack Control during Construction Phases of MOSE Venice Dams. IOP Conference Series: Materials Science and Engineering, 2017, 245, 022080.	0.5	0
20	Robustness of Reinforced Concrete Framed Buildings: A Comparison between Different Numerical Models. Key Engineering Materials, 2016, 711, 814-821.	0.4	2
21	Reinforced Concrete Frame Structures. Procedia Engineering, 2016, 161, 1013-1017.	1.8	1
22	Design of Massive Casting Controlling Early Age Properties of Concrete. Key Engineering Materials, 2016, 711, 126-133.	0.4	0
23	A Metaheuristic Approach to Skew Reinforcement Optimization in Concrete Shells Under Multiple Loading Conditions. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2014, 24, 201-210.	1.5	10
24	Design and optimization of skew reinforcement in concrete shells. Structural Concrete, 2012, 13, 248-258.	2.9	15
25	Rotating compression field model for reinforced concrete beams under prevalent shear actions. Structural Concrete, 2011, 12, 178-186.	2.9	15
26	Early age cracking of massive concrete piers. Magazine of Concrete Research, 2011, 63, 723-736.	2.1	21
27	Discussion: Failure analysis of hollow-core slabs tested in shear. Structural Concrete, 2010, 11, 229-230.	2.9	0
28	Numerical modelling of early-age concrete hardening. Magazine of Concrete Research, 2009, 61, 299-307.	2.1	11
29	Failure analysis of hollow-core slabs tested in shear. Structural Concrete, 2009, 10, 139-152.	2.9	24
30	A finite element formulation for concrete structures in plane stress. Structural Concrete, 2008, 9, 87-99.	2.9	9
31	Model Uncertainties in FEM Analyses of Punching Failures of Concrete Slabs. IOP Conference Series: Materials Science and Engineering, 0, 471, 052003.	0.5	0