Patrick Bamonte

List of Publications by Year
in descending order

26 papers	482 citations	687363 13 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	443 citing authors

#	Article	IF	Citations
1	A study on the mechanical properties of self-compacting concrete at high temperature and after cooling. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1375-1387.	3.1	63
2	A comprehensive methodology to test the performance of Steel Fibre Reinforced Self-Compacting Concrete (SFR-SCC). Construction and Building Materials, 2012, 37, 406-424.	7.2	52
3	Reinforced concrete columns exposed to standard fire: Comparison among different constitutive models for concrete at high temperature. Fire Safety Journal, 2015, 71, 310-323.	3.1	51
4	Thermo-mechanical analysis of an underground car park structure exposed to fire. Fire Safety Journal, 2013, 57, 96-106.	3.1	35
5	Thermal and mechanical properties of lightâ€weight concrete exposed to high temperature. Fire and Materials, 2013, 37, 200-216.	2.0	32
6	Properties of Concrete Subjected to Extreme Thermal Conditions. Journal of Structural Fire Engineering, 2014, 5, 47-62.	0.8	31
7	Durability-Based Design of Structures Made with Ultra-High-Performance/Ultra-High-Durability Concrete in Extremely Aggressive Scenarios: Application to a Geothermal Water Basin Case Study. Infrastructures, 2020, 5, 102.	2.8	24
8	High-Temperature Behaviour of Concrete in Tension. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2012, 22, 493-499.	0.8	21
9	Computational study on prestressed concrete members exposed to natural fires. Fire Safety Journal, 2018, 97, 54-65.	3.1	21
10	Innovative Design Concept of Cooling Water Tanks/Basins in Geothermal Power Plants Using Ultra-High-Performance Fiber-Reinforced Concrete with Enhanced Durability. Sustainability, 2021, 13, 9826.	3.2	21
11	High-temperature behavior of structural and non-structural shotcretes. Cement and Concrete Composites, 2016, 73, 42-53.	10.7	20
12	High-Temperature Behavior of SCC in Compression: Comparative Study on Recent Experimental Campaigns. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	18
13	Physical and mechanical properties of heatâ€damaged structural concrete containing expanded polystyrene syntherized particles. Fire and Materials, 2015, 39, 58-71.	2.0	15
14	Lightweight Concrete Containing Phase Change Materials (PCMs): A Numerical Investigation on the Thermal Behaviour of Cladding Panels. Buildings, 2017, 7, 35.	3.1	13
15	An experimental study on mechanical and thermal properties of structural lightweight concrete using carbon nanotubes (CNTs) and LECA aggregates after exposure to elevated temperature. Construction and Building Materials, 2022, 346, 128376.	7.2	13
16	Smooth Anchored Bars in NSC and HPC: a Study on Size Effect. Journal of Advanced Concrete Technology, 2003, 1, 42-53.	1.8	10
17	Thermo-mechanical properties and stress-strain curves of ordinary cementitious mortars at elevated temperatures. Construction and Building Materials, 2021, 267, 121027.	7.2	10
18	Structural validation of geothermal water basins constructed with durability enhanced ultra high performance fiber reinforced concrete (Ultra High Durability Concrete). Case Studies in Construction Materials, 2022, 17, e01202.	1.7	6

#	Article	IF	Citations
19	On the Structural Behavior of Reinforced Concrete Walls Exposed to Fire. Key Engineering Materials, 2016, 711, 580-587.	0.4	5
20	Ultimate Capacity of Undercut Fasteners Installed in Heat-Damaged Concrete. Journal of Structural Engineering, 2020, 146, .	3.4	4
21	Creep analysis of compact cross-sections cast in consecutive stages â€“ Part 2: Algebraic methods. Engineering Structures, 2015, 96, 178-189.	5.3	3
22	Bond role in strut-and-tie systems modelling reinforced-concrete members. Engineering Structures, 2020, 209, 109946.	5.3	3
23	On the Fire Scenario in Road Tunnels: A Comparison between Zone and Field Models. Applied Mechanics and Materials, 0, 82, 764-769.	0.2	2
24	A reappraisal of the nominal curvature method in the fire design of reinforced concrete columns. Journal of Fire Sciences, 2020, 38, 106-121.	2.0	2
25	Crack patterns in double-wall industrial masonry chimneys: Possible causes and numerical modelling. Journal of Cultural Heritage, 2021, 47, 133-142.	3.3	2
26	Analysis at the ultimate limit state of a R/C slab supporting desiccated-sludge silos. European Journal of Environmental and Civil Engineering, 2009, 13, 685-706.	2.1	0