

# Patrick Bamonte

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4773548/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	Crack patterns in double-wall industrial masonry chimneys: Possible causes and numerical modelling. Journal of Cultural Heritage, 2021, 47, 133-142.	3.3	2
4	Thermo-mechanical properties and stress-strain curves of ordinary cementitious mortars at elevated temperatures. Construction and Building Materials, 2021, 267, 121027.	7.2	10
5	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
6	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
7	Ultimate Capacity of Undercut Fasteners Installed in Heat-Damaged Concrete. Journal of Structural Engineering, 2020, 146, .	3.4	4
8	Bond role in strut-and-tie systems modelling reinforced-concrete members. Engineering Structures, 2020, 209, 109946.	5.3	3
9	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
10	Computational study on prestressed concrete members exposed to natural fires. Fire Safety Journal, 2018, 97, 54-65.	3.1	21
11	Lightweight Concrete Containing Phase Change Materials (PCMs): A Numerical Investigation on the Thermal Behaviour of Cladding Panels. Buildings, 2017, 7, 35.	3.1	13
12	High-temperature behavior of structural and non-structural shotcretes. Cement and Concrete Composites, 2016, 73, 42-53.	10.7	20
13	On the Structural Behavior of Reinforced Concrete Walls Exposed to Fire. Key Engineering Materials, 2016, 711, 580-587.	0.4	5
14	High-Temperature Behavior of SCC in Compression: Comparative Study on Recent Experimental Campaigns. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	18
15	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
16	Creep analysis of compact cross-sections cast in consecutive stages “ Part 2: Algebraic methods. Engineering Structures, 2015, 96, 178-189.	5.3	3
17	Physical and mechanical properties of heat-damaged structural concrete containing expanded polystyrene synthesized particles. Fire and Materials, 2015, 39, 58-71.	2.0	15
18	Properties of Concrete Subjected to Extreme Thermal Conditions. Journal of Structural Fire Engineering, 2014, 5, 47-62.	0.8	31

#	ARTICLE	IF	CITATIONS
19	Thermal and mechanical properties of light-weight concrete exposed to high temperature. <i>Fire and Materials</i> , 2013, 37, 200-216.	2.0	32
20	Thermo-mechanical analysis of an underground car park structure exposed to fire. <i>Fire Safety Journal</i> , 2013, 57, 96-106.	3.1	35
21	High-Temperature Behaviour of Concrete in Tension. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2012, 22, 493-499.	0.8	21
22	A comprehensive methodology to test the performance of Steel Fibre Reinforced Self-Compacting Concrete (SFR-SCC). <i>Construction and Building Materials</i> , 2012, 37, 406-424.	7.2	52
23	A study on the mechanical properties of self-compacting concrete at high temperature and after cooling. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 1375-1387.	3.1	63
24	Analysis at the ultimate limit state of a R/C slab supporting desiccated-sludge silos. <i>European Journal of Environmental and Civil Engineering</i> , 2009, 13, 685-706.	2.1	0
25	Smooth Anchored Bars in NSC and HPC: a Study on Size Effect. <i>Journal of Advanced Concrete Technology</i> , 2003, 1, 42-53.	1.8	10
26	On the Fire Scenario in Road Tunnels: A Comparison between Zone and Field Models. <i>Applied Mechanics and Materials</i> , 0, 82, 764-769.	0.2	2