

# Pier Giorgio Malerba

## List of Publications by Year in descending order

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27  
papers

536  
citations

840119

11  
h-index

839053

18  
g-index

28  
all docs

28  
docs citations

28  
times ranked

321  
citing authors

#	ARTICLE	IF	CITATIONS
1	Residual capacity of a reinforced concrete grillage deck exposed to corrosion. Structure and Infrastructure Engineering, 2020, 16, 202-218.	2.0	4
2	Influence of corrosive phenomena on bearing capacity of RC and PC beams. Advances in Concrete Construction, 2017, 5, 117-143.	0.4	7
3	A parametric subdomain discretization for the analysis of the multiaxial response of reinforced concrete sections. Advances in Engineering Software, 2015, 82, 87-104.	1.8	3
4	Design and construction of two integral bridges for the runway of Milan Malpensa Airport. Structure and Infrastructure Engineering, 2015, 11, 486-500.	2.0	0
5	The role of prestress and its optimization in cable domes design. Computers and Structures, 2015, 161, 17-30.	2.4	34
6	Inspecting and repairing old bridges: experiences and lessons. Structure and Infrastructure Engineering, 2014, 10, 443-470.	2.0	15
7	Flexible bridge decks suspended by cable nets. A constrained form finding approach. International Journal of Solids and Structures, 2013, 50, 2340-2352.	1.3	20
8	A Covered Double Decker Pedestrian Bridge in Parma. Procedia Engineering, 2011, 14, 837-843.	1.2	0
9	A New Landmark Arch Bridge in Milan. Procedia Engineering, 2011, 14, 1051-1058.	1.2	2
10	Twin Runway Integral Bridges at Milano Malpensa Airport, Italy. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2011, 21, 206-209.	0.5	1
11	The new life of the Teatro alla Scala. Structure and Infrastructure Engineering, 2011, 7, 51-64.	2.0	1
12	Uncertainty effects on lifetime structural performance of cable-stayed bridges. Probabilistic Engineering Mechanics, 2008, 23, 509-522.	1.3	31
13	A Large Span Roof made of Cable Stayed Arches. , 2008, , .		0
14	Some Aspects of the Life-Cycle Reliability of the Twin Cable-Stayed Bridges at Malpensa Airport in Italy. , 2008, , .		0
15	The new life of the Theatre alla Scala. , 2008, , 59-71.		0
16	Structural geometry effects on the life-cycle performance of concrete bridge structures in aggressive environments. , 2008, , .		0
17	Time-Variant Structural Performance of the Certosa Cable-Stayed Bridge. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2006, 16, 235-244.	0.5	15
18	Probabilistic Service Life Assessment and Maintenance Planning of Concrete Structures. Journal of Structural Engineering, 2006, 132, 810-825.	1.7	97

#	ARTICLE	IF	CITATIONS
19	Cellular Automata Approach to Durability Analysis of Concrete Structures in Aggressive Environments. Journal of Structural Engineering, 2004, 130, 1724-1737.	1.7	114
20	Reliability of material and geometrically non-linear reinforced and prestressed concrete structures. Computers and Structures, 2004, 82, 1021-1031.	2.4	43
21	Fuzzy reliability analysis of concrete structures. Computers and Structures, 2004, 82, 1033-1052.	2.4	86
22	Genomic and Proteomic Expression Patterns in HPV-16 E6 Gene Transfected Stable Human Carcinoma Cell Lines. DNA and Cell Biology, 2004, 23, 826-835.	0.9	25
23	Fuzzy Reliability Analysis of Concrete Structures by Using a Genetically Powered Simulation. , 2003, , 95-105.		0
24	Reliability Assessment of Cable-Stayed Bridges. , 2001, , 36.		1
25	Stress path adapting Strut-and-Tie models in cracked and uncracked R.C. elements. Structural Engineering and Mechanics, 2001, 12, 685-698.	1.0	25
26	The role of softening in the numerical analysis of R.C. framed structures. Structural Engineering and Mechanics, 1997, 5, 785-801.	1.0	11
27	Elastoplastic stress and strain diffusion in a rhomboidal steel panel. Meccanica, 1977, 12, 99-110.	1.2	0