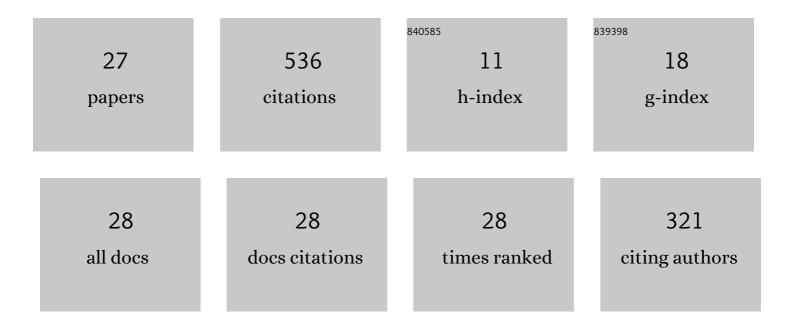
## Pier Giorgio Malerba

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Cellular Automata Approach to Durability Analysis of Concrete Structures in Aggressive<br>Environments. Journal of Structural Engineering, 2004, 130, 1724-1737.   | 1.7 | 114       |
| 2  | Probabilistic Service Life Assessment and Maintenance Planning of Concrete Structures. Journal of Structural Engineering, 2006, 132, 810-825.  | 1.7 | 97        |
| 3  | Fuzzy reliability analysis of concrete structures. Computers and Structures, 2004, 82, 1033-1052.  | 2.4 | 86        |
| 4  | Reliability of material and geometrically non-linear reinforced and prestressed concrete structures.<br>Computers and Structures, 2004, 82, 1021-1031.   | 2.4 | 43        |
| 5  | The role of prestress and its optimization in cable domes design. Computers and Structures, 2015, 161, 17-30.  | 2.4 | 34        |
| 6  | Uncertainty effects on lifetime structural performance of cable-stayed bridges. Probabilistic<br>Engineering Mechanics, 2008, 23, 509-522.   | 1.3 | 31        |
| 7  | Genomic and Proteomic Expression Patterns in HPV-16 E6 Gene Transfected Stable Human Carcinoma<br>Cell Lines. DNA and Cell Biology, 2004, 23, 826-835.   | 0.9 | 25        |
| 8  | 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        |
| 9  | Flexible bridge decks suspended by cable nets. A constrained form finding approach. International<br>Journal of Solids and Structures, 2013, 50, 2340-2352.  | 1.3 | 20        |
| 10 | Time-Variant Structural Performance of the Certosa Cable-Stayed Bridge. Structural Engineering<br>International: Journal of the International Association for Bridge and Structural Engineering (IABSE),<br>2006, 16, 235-244. | 0.5 | 15        |
| 11 | Inspecting and repairing old bridges: experiences and lessons. Structure and Infrastructure Engineering, 2014, 10, 443-470.  | 2.0 | 15        |
| 12 | The role of softening in the numerical analysis of R.C. framed structures. Structural Engineering and Mechanics, 1997, 5, 785-801.   | 1.0 | 11        |
| 13 | Influence of corrosive phenomena on bearing capacity of RC and PC beams. Advances in Concrete Construction, 2017, 5, 117-143.  | 0.4 | 7         |
| 14 | Residual capacity of a reinforced concrete grillage deck exposed to corrosion. Structure and Infrastructure Engineering, 2020, 16, 202-218.  | 2.0 | 4         |
| 15 | 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         |
| 16 | A New Landmark Arch Bridge in Milan. Procedia Engineering, 2011, 14, 1051-1058.  | 1.2 | 2         |
| 17 | Reliability Assessment of Cable-Stayed Bridges. , 2001, , 36.  |     | 1         |
| 18 | Twin Runway Integral Bridges at Milano Malpensa Airport, Italy. Structural Engineering International:<br>Journal of the International Association for Bridge and Structural Engineering (IABSE), 2011, 21,<br>206-209.         | 0.5 | 1         |

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | The new life of the Teatro alla Scala. Structure and Infrastructure Engineering, 2011, 7, 51-64.  | 2.0 | 1         |
| 20 | Elastoplastic stress and strain diffusion in a rhomboidal steel panel. Meccanica, 1977, 12, 99-110.   | 1.2 | 0         |
| 21 | A Large Span Roof made of Cable Stayed Arches. , 2008, , .  |     | Ο         |
| 22 | Some Aspects of the Life-Cycle Reliability of the Twin Cable–Stayed Bridges at Malpensa Airport in Italy.<br>, 2008, , .                                  |     | 0         |
| 23 | A Covered Double Decker Pedestrian Bridge in Parma. Procedia Engineering, 2011, 14, 837-843.  | 1.2 | Ο         |
| 24 | Design and construction of two integral bridges for the runway of Milan Malpensa Airport.<br>Structure and Infrastructure Engineering, 2015, 11, 486-500. | 2.0 | 0         |
| 25 | Fuzzy Reliability Analysis of Concrete Structures by Using a Genetically Powered Simulation. , 2003, , 95-105.  |     | О         |
| 26 | The new life of the Theatre alla Scala. , 2008, , 59-71.  |     | 0         |
| 27 | Structural geometry effects on the life-cycle performance of concrete bridge structures in aggressive environments. , 2008, , .                           |     | 0         |