Paolo Bazzurro

List of Publications by Year in descending order

62 papers	3,559 citations	218677 26 h-index	138484 58 g-index
62 all docs	62 docs citations	62 times ranked	1966 citing authors

#	Article	IF	Citations
1	Earthquakes, Records, and Nonlinear Responses. Earthquake Spectra, 1998, 14, 469-500.	3.1	633
2	Disaggregation of seismic hazard. Bulletin of the Seismological Society of America, 1999, 89, 501-520.	2.3	423
3	Does amplitude scaling of ground motion records result in biased nonlinear structural drift responses?. Earthquake Engineering and Structural Dynamics, 2007, 36, 1813-1835.	4.4	246
4	Nonlinear Soil-Site Effects in Probabilistic Seismic-Hazard Analysis. Bulletin of the Seismological Society of America, 2004, 94, 2110-2123.	2.3	164
5	Conditional spectrumâ€based ground motion record selection using average spectral acceleration. Earthquake Engineering and Structural Dynamics, 2017, 46, 1667-1685.	4.4	163
6	Ground-Motion Amplification in Nonlinear Soil Sites with Uncertain Properties. Bulletin of the Seismological Society of America, 2004, 94, 2090-2109.	2.3	145
7	A Comparison of NGA Ground-Motion Prediction Equations to Italian Data. Bulletin of the Seismological Society of America, 2009, 99, 2961-2978.	2.3	123
8	Seismic Reliability of Code-Conforming Italian Buildings. Journal of Earthquake Engineering, 2018, 22, 5-27.	2.5	113
9	Current Challenges and Future Trends in Analytical Fragility and Vulnerability Modeling. Earthquake Spectra, 2019, 35, 1927-1952.	3.1	113
10	Three Proposals for Characterizing MDOF Nonlinear Seismic Response. Journal of Structural Engineering, 1998, 124, 1281-1289.	3.4	112
11	Disaggregation of Probabilistic Ground-Motion Hazard in Italy. Bulletin of the Seismological Society of America, 2009, 99, 2638-2661.	2.3	112
12	Exploring the impact of spatial correlations and uncertainties for portfolio analysis in probabilistic seismic loss estimation. Bulletin of Earthquake Engineering, 2015, 13, 957-981.	4.1	100
13	Vector and Scalar IMs in Structural Response Estimation, Part II: Building Demand Assessment. Earthquake Spectra, 2016, 32, 1525-1543.	3.1	99
14	Seismic Hazard Analysis of Nonlinear Structures. I: Methodology. Journal of Structural Engineering, 1994, 120, 3320-3344.	3.4	79
15	Pulseâ€like versus nonâ€pulseâ€like ground motion records: Spectral shape comparisons and record selection strategies. Earthquake Engineering and Structural Dynamics, 2019, 48, 46-64.	4.4	73
16	Recorded Motions of the 6 April 2009 M_w6.3 L'Aquila, Italy, Earthquake and Implications for Building Structural Damage: Overview. Earthquake Spectra, 2010, 26, 651-684.	3.1	71
17	Vector and Scalar IMs in Structural Response Estimation, Part I: Hazard Analysis. Earthquake Spectra, 2016, 32, 1507-1524.	3.1	67
18	Exploring Risk-Targeted Hazard Maps for Europe. Earthquake Spectra, 2016, 32, 1165-1186.	3.1	66

#	Article	IF	Citations
19	Site dependence and record selection schemes for building fragility and regional loss assessment. Earthquake Engineering and Structural Dynamics, 2017, 46, 1625-1643.	4.4	62
20	The 2002 Molise, Italy, Earthquake. Earthquake Spectra, 2004, 20, 1-22.	3.1	50
21	Seismic Hazard Analysis of Nonlinear Structures. II: Applications. Journal of Structural Engineering, 1994, 120, 3345-3365.	3.4	44
22	Implications of Intensity Measure Selection for Seismic Loss Assessment of 3-D Buildings. Earthquake Spectra, 2016, 32, 2167-2189.	3.1	41
23	Ground-motion models for average spectral acceleration in a period range: direct and indirect methods. Bulletin of Earthquake Engineering, 2018, 16, 45-65.	4.1	40
24	Performance of Reinforced Concrete Buildings during the 2002 Molise, Italy, Earthquake. Earthquake Spectra, 2004, 20, 221-255.	3.1	38
25	Floor Response Spectra for Bare and Infilled Reinforced Concrete Frames. Journal of Earthquake Engineering, 2014, 18, 1060-1082.	2.5	29
26	Application of open tools and datasets to probabilistic modeling of road traffic disruptions due to earthquake damage. Earthquake Engineering and Structural Dynamics, 2020, 49, 1236-1255.	4.4	27
27	Sensitivity analysis of seismic hazard for Western Liguria (North Western Italy): A first attempt towards the understanding and quantification of hazard uncertainty. Tectonophysics, 2007, 435, 13-35.	2.2	25
28	Exploring probabilistic seismic risk assessment accounting for seismicity clustering and damage accumulation: Part I. Hazard analysis. Earthquake Spectra, 2021, 37, 803-826.	3.1	20
29	Multi-level conditional spectrum-based record selection for IDA. Earthquake Spectra, 2020, 36, 1976-1994.	3.1	19
30	Conditional spectrum bidirectional record selection for risk assessment of 3D structures using scalar and vector IMs. Earthquake Engineering and Structural Dynamics, 2019, 48, 1066-1082.	4.4	18
31	Effects of Epistemic Uncertainty in Seismic Hazard Estimates on Building Portfolio Losses. Earthquake Spectra, 2018, 34, 217-236.	3.1	17
32	Advances in the derivation of fragility functions for the development of risk-targeted hazard maps. Engineering Structures, 2018, 173, 669-680.	5.3	17
33	Comparison between outcomes of the 2014 Earthquake Hazard Model of the Middle East (EMME14) and national seismic design codes: The case of Iran. Soil Dynamics and Earthquake Engineering, 2018, 114, 348-361.	3.8	16
34	Using Open-Access Data in the Development of Exposure Data Sets of Industrial Buildings for Earthquake Risk Modeling. Earthquake Spectra, 2017, 33, 63-84.	3.1	15
35	Correlation of Spectral Acceleration Values of Mainshock-Aftershock Ground Motion Pairs. Earthquake Spectra, 2019, 35, 39-60.	3.1	15
36	Mainshockâ€consistent ground motion record selection for aftershock sequences. Earthquake Engineering and Structural Dynamics, 2020, 49, 754-771.	4.4	15

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37	Seismic risk and loss estimation for the building stock in Isfahan: part IIâ€"hazard analysis and risk assessment. Bulletin of Earthquake Engineering, 2021, 19, 1739-1763.	4.1	14
38	Seismic risk and loss estimation for the building stock in Isfahan. Part I: exposure and vulnerability. Bulletin of Earthquake Engineering, 2021, 19, 1709-1737.	4.1	13
39	Exploring probabilistic seismic risk assessment accounting for seismicity clustering and damage accumulation: Part II. Risk analysis. Earthquake Spectra, 2021, 37, 386-408.	3.1	12
40	Conditional spectrum record selection faithful to causative earthquake parameter distributions. Earthquake Engineering and Structural Dynamics, 2021, 50, 2653-2671.	4.4	12
41	Spectral Matching in Time Domain: A Seismological and Engineering Analysis. Bulletin of the Seismological Society of America, 2018, 108, 1972-1994.	2.3	11
42	Earthquakes Induced by Wastewater Injection, Part I: Model Development and Hindcasting. Bulletin of the Seismological Society of America, 2020, 110, 2466-2482.	2.3	9
43	Assessing the impact of earthquake scenarios in transportation networks: the Portuguese mining factory case study. Bulletin of Earthquake Engineering, 2018, 16, 1137-1163.	4.1	8
44	Earthquakes Induced by Wastewater Injection, Part II: Statistical Evaluation of Causal Factors and Seismicity Rate Forecasting. Bulletin of the Seismological Society of America, 2020, 110, 2483-2497.	2.3	8
45	Correlation of spectral acceleration values of vertical and horizontal ground motion pairs. Earthquake Spectra, 2020, 36, 2112-2128.	3.1	8
46	The Effect of Seismic Sequences in Probabilistic Seismic Hazard Analysis. Bulletin of the Seismological Society of America, 2022, 112, 1694-1709.	2.3	8
47	Time-dependent seismic hazard and risk due to wastewater injection in Oklahoma. Earthquake Spectra, 2021, 37, 2084-2106.	3.1	7
48	Loss Predictive Power of Strong Motion Networks for Usage in Parametric Risk Transfer: Istanbul as a Case Study. Earthquake Spectra, 2017, 33, 1513-1531.	3.1	6
49	Impact of partially non-ergodic site-specific probabilistic seismic hazard on risk assessment of single buildings. Earthquake Spectra, 2021, 37, 409-427.	3.1	6
50	Conditional spectrum based ground motion record selection using average spectral acceleration. Earthquake Engineering and Structural Dynamics, 2018, 47, 265-265.	4.4	4
51	Tall buildings in Turkey, their characteristic structural features and dynamic behaviour. Bulletin of Earthquake Engineering, 2021, 19, 2105-2124.	4.1	4
52	A risk-based evaluation of direct displacement-based design. Bulletin of Earthquake Engineering, 2022, 20, 6611-6633.	4.1	4
53	Seismic damage hazard analysis for requalification of nuclear power plant structures: methodology and application. Nuclear Engineering and Design, 1996, 160, 321-332.	1.7	3
54	Reply to "Comment on 'Nonlinear Soil-Site Effects in Probabilistic Seismic-Hazard Analysis' by Paolo Bazzurro and C. Allin Cornell," by Jonathan P. Stewart and Christine A. Goulet. Bulletin of the Seismological Society of America, 2006, 96, 748-749.	2.3	3

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55	Seismic collapse risk of reinforced concrete tall buildings in Istanbul. Bulletin of Earthquake Engineering, 2021, 19, 6545-6571.	4.1	3
56	Preface to the Special Issue: The evolution of fragility and vulnerability. The origin story of a preface. Bulletin of Earthquake Engineering, 0, , 1.	4.1	2
57	Seismic Performance of 3-D Infilled and Bare Frame RC Building Models using Average Spectral Acceleration. Procedia Engineering, 2017, 199, 3558-3563.	1.2	1
58	Testing strong motion stations continuity of operation using random fields and intensity data. Bulletin of Earthquake Engineering, 2017, 15, 2445-2464.	4.1	1
59	An analytical solution for the Bayesian estimation of ground motion from macroseismic intensity data. Bulletin of Earthquake Engineering, 2018, 16, 2633-2640.	4.1	1
60	Site specific probabilistic seismic hazard model for Isfahan, Iran: estimates and uncertainties. Bulletin of Earthquake Engineering, 2022, 20, 3623-3657.	4.1	1
61	Implementation of 1D Ground Response Analysis in Probabilistic Assessments of Ground Shaking Potential. , 2006, , 1.		0
62	Impact of Uncertainty on Loss Estimates for a Repeat of the 1908 Messina-Reggio Calabria Earthquake in Southern Italy. AIP Conference Proceedings, 2008, , .	0.4	0