Peter Fajfar

List of Publications by Year in descending order

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51 papers	4,737 citations	147801 31 h-index	214800 47 g-index
51 all docs	51 docs citations	51 times ranked	1955 citing authors

#	Article	IF	Citations
1	Microstructure and Texture Evolution with Relation to Mechanical Properties of Compared Symmetrically and Asymmetrically Cold Rolled Aluminum Alloy. Metals, 2020, 10, 156.	2.3	14
2	Analysis in Seismic Provisions for Buildings: Past, Present and Future. Geotechnical, Geological and Earthquake Engineering, 2018, , 1-49.	0.2	11
3	Analysis in seismic provisions for buildings: past, present and future. Bulletin of Earthquake Engineering, 2018, 16, 2567-2608.	4.1	59
4	Code-oriented floor acceleration spectra for building structures. Bulletin of Earthquake Engineering, 2017, 15, 3013-3026.	4.1	72
5	Dispersions for the pushoverâ€based risk assessment of reinforced concrete frames and cantilever walls. Earthquake Engineering and Structural Dynamics, 2016, 45, 2163-2183.	4.4	19
6	A method for the direct estimation of floor acceleration spectra for elastic and inelastic MDOF structures. Earthquake Engineering and Structural Dynamics, 2016, 45, 2495-2511.	4.4	71
7	Seismic Assessment of RC Frame Buildings. Geotechnical, Geological and Earthquake Engineering, 2016, , 89-97.	0.2	1
8	A method for the direct determination of approximate floor response spectra for SDOF inelastic structures. Bulletin of Earthquake Engineering, 2015, 13, 1405-1424.	4.1	59
9	Epoxy-bonded Laâ€“Feâ€“Coâ€“Si magnetocaloric plates. Journal of Magnetism and Magnetic Materials, 2015, 375, 65-73.	2.3	82
10	Pushover-Based Analysis in Performance-Based Seismic Engineering â€“ A View from Europe. Geotechnical, Geological and Earthquake Engineering, 2014, , 265-277.	0.2	1
11	Prediction of site factors by a nonâ€parametric approach. Earthquake Engineering and Structural Dynamics, 2014, 43, 1743-1761.	4.4	3
12	Approximate seismic risk assessment of building structures with explicit consideration of uncertainties. Earthquake Engineering and Structural Dynamics, 2014, 43, 1483-1502.	4.4	37
13	Helmut Krawinkler: a tribute. Earthquake Engineering and Structural Dynamics, 2012, 41, 1413-1414.	4.4	0
14	The extended N2 method considering higher mode effects in both plan and elevation. Bulletin of Earthquake Engineering, 2012, 10, 695-715.	4.1	140
15	A practiceâ€oriented estimation of the failure probability of building structures. Earthquake Engineering and Structural Dynamics, 2012, 41, 531-547.	4.4	70
16	The extended N2 method taking into account higher mode effects in elevation. Earthquake Engineering and Structural Dynamics, 2011, 40, 1571-1589.	4.4	108
17	Seismic evaluation of an existing complex RC building. Bulletin of Earthquake Engineering, 2010, 8, 363-385.	4.1	46
18	Groundâ€motion prediction by a nonâ€parametric approach. Earthquake Engineering and Structural Dynamics, 2010, 39, 1395-1416.	4.4	14

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19	A Practice-Oriented Approach for Probabilistic Seismic Assessment of Building Structures. Geotechnical, Geological and Earthquake Engineering, 2010, , 225-233.	0.2	7
20	Hysteretic energy dissipation capacity and the cyclic to monotonic drift ratio for rectangular RC columns in flexure. Earthquake Engineering and Structural Dynamics, 2009, 38, 907-928.	4.4	16
21	Seismic response of a RC frame building designed according to old and modern practices. Bulletin of Earthquake Engineering, 2009, 7, 779-799.	4.1	27
22	The effect of masonry infills on the seismic response of a four storey reinforced concrete frameâ€"a probabilistic assessment. Engineering Structures, 2008, 30, 3186-3192.	5.3	79
23	The effect of masonry infills on the seismic response of a four-storey reinforced concrete frame â€" a deterministic assessment. Engineering Structures, 2008, 30, 1991-2001.	5.3	281
24	Simplified probabilistic seismic performance assessment of plan-asymmetric buildings. Earthquake Engineering and Structural Dynamics, 2007, 36, 2021-2041.	4.4	60
25	Prediction of the forceâ€“drift envelope for RC columns in flexure by the CAE method. Earthquake Engineering and Structural Dynamics, 2007, 36, 2345-2363.	4.4	10
26	Pre- and post-test mathematical modelling of a plan-asymmetric reinforced concrete frame building. Earthquake Engineering and Structural Dynamics, 2006, 35, 1359-1379.	4.4	42
27	Flexural deformation capacity of rectangular RC columns determined by the CAE method. Earthquake Engineering and Structural Dynamics, 2006, 35, 1453-1470.	4.4	57
28	Simplified non-linear seismic analysis of infilled reinforced concrete frames. Earthquake Engineering and Structural Dynamics, 2005, 34, 49-66.	4.4	153
29	On the inelastic torsional response of single-storey structures under bi-axial excitation. Earthquake Engineering and Structural Dynamics, 2005, 34, 931-941.	4.4	79
30	On the inelastic seismic response of asymmetric buildings under bi-axial excitation. Earthquake Engineering and Structural Dynamics, 2005, 34, 943-963.	4.4	65
31	TORSIONAL EFFECTS IN THE PUSHOVER-BASED SEISMIC ANALYSIS OF BUILDINGS. Journal of Earthquake Engineering, 2005, 9, 831-854.	2.5	139
32	Title is missing!. Journal of Earthquake Engineering, 2005, 9, 831.	2.5	68
33	Inelastic spectra for infilled reinforced concrete frames. Earthquake Engineering and Structural Dynamics, 2004, 33, 1395-1416.	4.4	69
34	R. Riddell's Discussion of â€œSimplified R-Factor Relationships for Strong Ground Motionsâ€• Earthquake Spectra, 2004, 20, 281-282.	3.1	0
35	Simplified R-Factor Relationships for Strong Ground Motions. Earthquake Spectra, 2003, 19, 25-45.	3.1	25
36	Mathematical modelling of an infilled RC frame structure based on the results of pseudo-dynamic tests. Earthquake Engineering and Structural Dynamics, 2002, 31, 1215-1230.	4.4	68

#	Article	IF	Citations
37	SOFT STOREY EFFECTS IN UNIFORMLY INFILLED REINFORCED CONCRETE FRAMES. Journal of Earthquake Engineering, 2001, 5, 1-12.	2.5	94
38	A Practical Nonlinear Method for Seismic Performance Evaluation. , 2000, , 1.		0
39	A Nonlinear Analysis Method for Performance-Based Seismic Design. Earthquake Spectra, 2000, 16, 573-592.	3.1	897
40	Capacity spectrum method based on inelastic demand spectra. Earthquake Engineering and Structural Dynamics, 1999, 28, 979-993.	4.4	638
41	Capacity spectrum method based on inelastic demand spectra. , 1999, 28, 979.		4
42	A NON-PARAMETRIC APPROACH TO ATTENUATION RELATIONS. Journal of Earthquake Engineering, 1997, 1, 319-340.	2.5	15
43	Seismic hazard reassessment of an existing NPP in Slovenia. Nuclear Engineering and Design, 1997, 175, 215-226.	1.7	7
44	SIMPLE PUSH-OVER ANALYSIS OF ASYMMETRIC BUILDINGS. Earthquake Engineering and Structural Dynamics, 1997, 26, 233-249.	4.4	76
45	Title is missing!. Journal of Earthquake Engineering, 1997, 1, 319.	2.5	6
46	Consistent inelastic design spectra: Strength and displacement. Earthquake Engineering and Structural Dynamics, 1994, 23, 507-521.	4.4	365
47	Consistent inelastic design spectra: Hysteretic and input energy. Earthquake Engineering and Structural Dynamics, 1994, 23, 523-537.	4.4	180
48	Prediction of the seismic capacity of RC structural walls by non-parametric multidimensional regression. Earthquake Engineering and Structural Dynamics, 1994, 23, 1139-1155.	4.4	6
49	Equivalent ductility factors, taking into account low-cycle fatigue. Earthquake Engineering and Structural Dynamics, 1992, 21, 837-848.	4.4	193
50	A measure of earthquake motion capacity to damage medium-period structures. Soil Dynamics and Earthquake Engineering, 1990, 9, 236-242.	3.8	136
51	Seismic demand in medium- and long-period structures. Earthquake Engineering and Structural Dynamics, 1989, 18, 1133-1144.	4.4	68