

Ragnar Sigbjörnsson

List of Publications by Year in descending order

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33
papers

600
citations

516710

16
h-index

610901

24
g-index

35
all docs

35
docs citations

35
times ranked

382
citing authors

#	ARTICLE	IF	CITATIONS
1	Simplified prediction of wind-induced response and stability limit of slender long-span suspension bridges, based on modified quasi-steady theory: A case study. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2010, 98, 730-741.	3.9	58
2	Probabilistic seismic hazard assessment for Thailand. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 367-394.	4.1	49
3	Time domain modeling of self-excited aerodynamic forces for cable-supported bridges: A comparative study. <i>Computers and Structures</i> , 2011, 89, 1306-1322.	4.4	45
4	Modelling the stochastic dynamic behaviour of a pontoon bridge: A case study. <i>Computers and Structures</i> , 2016, 165, 123-135.	4.4	45
5	Significance of severe distant and moderate close earthquakes on design and behavior of tall buildings. <i>Structural Design of Tall and Special Buildings</i> , 2006, 15, 391-416.	1.9	30
6	Assessment of ground motion variability and its effects on seismic hazard analysis: a case study for iceland. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 931-953.	4.1	29
7	Finite element formulation of the self-excited forces for time-domain assessment of wind-induced dynamic response and flutter stability limit of cable-supported bridges. <i>Finite Elements in Analysis and Design</i> , 2012, 50, 173-183.	3.2	29
8	On stochastic dynamics of floating bridges. <i>Engineering Structures</i> , 1980, 2, 209-216.	5.3	28
9	Can Simple Pulses Adequately Represent Near-Fault Ground Motions?. <i>Journal of Earthquake Engineering</i> , 2011, 15, 1260-1272.	2.5	26
10	A Fast and Efficient Simulation of the Far-Fault and Near-Fault Earthquake Ground Motions Associated with the June 17 and 21, 2000, Earthquakes in South Iceland. <i>Journal of Earthquake Engineering</i> , 2007, 11, 343-370.	2.5	23
11	ICEARRAY: the first small-aperture, strong-motion array in Iceland. <i>Journal of Seismology</i> , 2009, 13, 173-178.	1.3	22
12	Application of arma models to estimate earthquake ground motion and structural response. <i>Earthquake Engineering and Structural Dynamics</i> , 1995, 24, 951-966.	4.4	21
13	Stochastic theory of wave loading processes. <i>Engineering Structures</i> , 1979, 1, 58-64.	5.3	19
14	Effects of co-spectral densities of atmospheric turbulence on the dynamic response of cable-supported bridges: A case study. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 116, 83-93.	3.9	19
15	Stochastic models for simulation of strong ground motion in Iceland. <i>Earthquake Engineering and Structural Dynamics</i> , 2001, 30, 1305-1331.	4.4	18
16	An alternative analytical approach to prediction of flutter stability limits of cable supported bridges. <i>Journal of Sound and Vibration</i> , 2011, 330, 2784-2800.	3.9	17
17	On the reliability of standard wave spectra in structural response analysis. <i>Engineering Structures</i> , 1980, 2, 123-135.	5.3	14
18	Wave induced vibrations of gravity platforms: a stochastic theory. <i>Applied Mathematical Modelling</i> , 1980, 4, 155-165.	4.2	13

#	ARTICLE	IF	CITATIONS
19	Spectral analysis of nonlinear wave load effects on offshore platforms. <i>Engineering Structures</i> , 1982, 4, 29-36.	5.3	10
20	Disaster-Function Management: Basic Principles. <i>Natural Hazards Review</i> , 2014, 15, 48-57.	1.5	10
21	A saga of the 1896 South Iceland earthquake sequence: magnitudes, macroseismic effects and damage. <i>Bulletin of Earthquake Engineering</i> , 2014, 12, 171-184.	4.1	9
22	Framing the 2010 Eyjafjallajökull volcanic eruption from a farming-disaster perspective. <i>Natural Hazards</i> , 2015, 77, 1619-1653.	3.4	8
23	Methodology for geohazard assessment for hydropower projects. <i>Natural Hazards</i> , 2015, 79, 1299-1331.	3.4	8
24	Daylight availability: a poor predictor of depression in Iceland. <i>International Journal of Circumpolar Health</i> , 2004, 63, 267-276.	1.2	7
25	Phases of Earthquake Experience: A Case Study of the June 2000 South Iceland Earthquakes. <i>Risk Analysis</i> , 2006, 26, 1235-1246.	2.7	7
26	Seismic hazard assessment for Iceland in terms of macroseismic intensity using a site approach. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 1797-1811.	4.1	7
27	Interrelations in multi-source geohazard monitoring for safety management of infrastructure systems. <i>Structure and Infrastructure Engineering</i> , 2016, 12, 327-355.	3.7	7
28	Along-wind response of suspension bridges with special reference to stiffening by horizontal cables. <i>Engineering Structures</i> , 1981, 3, 27-37.	5.3	6
29	Digital Filters for Simulation of Seismic Ground Motion and Structural Response. <i>Journal of Earthquake Engineering</i> , 2011, 15, 1212-1237.	2.5	5
30	Along-Wind Response of Large Bluff Buildings. <i>Journal of the Structural Division</i> , 1973, 99, 381-398.	0.2	4
31	Chromaticity of daylight: is the spectral composition of daylight an aetiological element in winter depression?. <i>International Journal of Circumpolar Health</i> , 2004, 63, 145-156.	1.2	3
32	Extreme and fatigue response of offshore platforms due to three-dimensional stochastic wave fields. <i>Engineering Structures</i> , 1981, 3, 219-224.	5.3	1
33	Is Perception of Earthquake Effects Gender Dependent?. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2018, , 357-368.	0.2	1