Adrian Rodriguez-Marek

List of Publications by Year
in descending order

83	2,879	236612 25	182168 51
papers	citations	h-index	g-index

88	88	88	1633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Incorporating dwelling mounds into induced seismic risk analysis for the Groningen gas field in the Netherlands. Bulletin of Earthquake Engineering, 2022, 20, 255-285.	2.3	3
2	Limitations of Surface Liquefaction Manifestation Severity Index Models Used in Conjunction with Simplified Stress-Based Triggering Models. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	1.5	8
3	Comparison Study of Methods to Assess a Rigid Slope Seismic Stability. , 2022, , .		0
4	Improved implementation of travel time randomization for incorporating Vs uncertainty in seismic ground response. Soil Dynamics and Earthquake Engineering, 2022, 157, 107277.	1.9	3
5	Ground motion prediction equations for Arias Intensity using the Kik-net database. Earthquake Spectra, 2021, 37, 428-448.	1.6	9
6	A multi-objective systems reliability approach for infrastructure design under aleatory and epistemic uncertainty. Structural Safety, 2021, 89, 102063.	2.8	4
7	Capturing epistemic uncertainty in site response. Earthquake Spectra, 2021, 37, 921-936.	1.6	26
8	An updated database for ground motion parameters for KiK-net records. Earthquake Spectra, 2021, 37, 505-522.	1.6	26
9	A generalized seismic sliding model of slopes with multiple slip surfaces. Earthquake Engineering and Structural Dynamics, 2021, 50, 2595-2612.	2.5	12
10	Selecting the Optimal Factor of Safety or Probability of Liquefaction Triggering for Engineering Projects Based on Misprediction Costs. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	1.5	10
11	Ground motion prediction equations for significant duration using the KiK-net database. Earthquake Spectra, 2021, 37, 903-920.	1.6	23
12	Liquefaction Hazard in the Groningen Region of the Netherlands due to Induced Seismicity. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, 04020068.	1.5	18
13	Intensity measure adequacy assessment for nonlinear site response using Information Theory. Soil Dynamics and Earthquake Engineering, 2020, 134, 106144.	1.9	3
14	A new geostatistical model for shear wave velocity profiles. Soil Dynamics and Earthquake Engineering, 2020, 136, 106247.	1.9	30
15	Hybrid broadband ground motion simulation validation of small magnitude earthquakes in Canterbury, New Zealand. Earthquake Spectra, 2020, 36, 673-699.	1.6	25
16	A Consistent Correlation between V _s , SPT, and CPT Metrics for Use in Liquefaction Evaluation Procedures. , 2020, , .		6
17	Influence of Epistemic Uncertainty in Shear Wave Velocity on Seismic Ground Response Analyses. Earthquake Spectra, 2019, 35, 929-954.	1.6	30
18	Probabilistic Seismic Demand Analysis of a Bridge with Unbonded, Post-Tensioned, Concrete-Filled, Fiber-Reinforced Polymer Tube Columns. Fibers, 2019, 7, 23.	1.8	1

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19	Addressing limitations in existing â€˜simplifiedâ€™ liquefaction triggering evaluation procedures: application to induced seismicity in the Groningen gas field. Bulletin of Earthquake Engineering, 2019, 17, 4539-4557.	2.3	50
20	Mapping the uncertainty in modulus reduction and damping curves onto the uncertainty of site amplification functions. Soil Dynamics and Earthquake Engineering, 2019, 126, 105091.	1.9	21
21	Characterisation of ground motion recording stations in the Groningen gas field. Journal of Seismology, 2018, 22, 605-623.	0.6	24
22	A siteâ€consistent method to quantify sufficiency of alternative IMs in relation to PSDA. Earthquake Engineering and Structural Dynamics, 2018, 47, 377-396.	2.5	12
23	Salient Features of Seismic Hazard Deaggregation and Computation of Vector Hazard. , 2018, , .		3
24	Computation of Vector Hazard Using Salient Features of Seismic Hazard Deaggregation. Earthquake Spectra, 2018, 34, 1893-1912.	1.6	11
25	Investigation of Systematic Ground Motion Effects through Ground Motion Simulation of Small-to-Moderate Magnitude Earthquakes. , 2018, , .		0
26	Toward Improving Damping Characterization for Site Response Analysis. , 2018, , .		2
27	A Critique of b-Values Used for Computing Magnitude Scaling Factors. , 2018, , .		3
28	Influence of the Uncertainty in Bedrock Characteristics on Seismic Hazard: A Case Study in Italy. , 2018, , .		1
29	Propagation of Uncertainty in Equivalent Linear Site Response Analyses. , 2018, , .		2
30	Effect of Non-Liquefiable High Fines-Content, High Plasticity Soils on Liquefaction Potential Index (LPI) Performance. , 2018, , .		4
31	Framework for a Ground-Motion Model for Induced Seismic Hazard and Risk Analysis in the Groningen Gas Field, The Netherlands. Earthquake Spectra, 2017, 33, 481-498.	1.6	66
32	An integrated shear-wave velocity model for the Groningen gas field, The Netherlands. Bulletin of Earthquake Engineering, 2017, 15, 3555-3580.	2.3	67
33	Groundâ€Motion Prediction Equation for the Chilean Subduction Zone. Bulletin of the Seismological Society of America, 2017, 107, 901-911.	1.1	80
34	What Can We Learn from Kappa (Îº) to Achieve a Better Characterization of Damping in Geotechnical Site Response Models?. , 2017, , .		0
35	Empirical predictive relationships for rigid sliding displacement based on directionally-dependent ground motion parameters. Engineering Geology, 2017, 222, 124-139.	2.9	25
36	Assessing the need for an update of a probabilistic seismic hazard analysis using a SSHAC Level 1 study and the Seismic Hazard Periodic Reevaluation Methodology. Nuclear Engineering and Design, 2017, 323, 103-119.	0.8	4

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37	Number of Equivalent Stress Cycles for Liquefaction Evaluations in Active Tectonic and Stable Continental Regimes. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	22
38	Empirical Terrain-Based Topographic Modification Factors for Use in Ground Motion Prediction. Earthquake Spectra, 2017, 33, 157-177.	1.6	17
39	Weathered Zone Effects: Central and Eastern North American Site Response. , 2017, , .		0
40	Developing a model for the prediction of ground motions due to earthquakes in the Groningen gas field. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2017, 96, s203-s213.	0.6	15
41	A Regional Siteâ€Response Model for the Groningen Gas Field. Bulletin of the Seismological Society of America, 2017, 107, 2067-2077.	1.1	47
42	Estimation of Siteâ€Specific Kappa (Î°0)â€Consistent Damping Values at KiKâ€Net Sites to Assess the Discrepancy between Laboratoryâ€Based Damping Models and Observed Attenuation (of Seismic Waves) in the Field. Bulletin of the Seismological Society of America, 2017, 107, 2258-2271.	1.1	49
43	Scenario Dependence of Linear Siteâ€Effect Factors for Shortâ€Period Response Spectral Ordinates. Bulletin of the Seismological Society of America, 2017, 107, 2859-2872.	1.1	64
44	Erratum to Groundâ€Motion Prediction Equation for the Chilean Subduction Zone. Bulletin of the Seismological Society of America, 2017, 107, 2541-2541.	1.1	2
45	V_S-Î°₀Correction Factors for Input Ground Motions Used in Seismic Site Response Analyses. Earthquake Spectra, 2017, 33, 917-941.	1.6	11
46	Approach for Estimating Seismic Compression Using Site Response Analyses. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	10
47	New Stress Reduction Coefficient Relationship for Liquefaction Triggering Analyses. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	13
48	Topographic proxies from 2-D numerical analyses. Bulletin of Earthquake Engineering, 2016, 14, 2959-2975.	2.3	5
49	Seismic assessment of the rigid sliding displacements caused by pulse motions. Soil Dynamics and Earthquake Engineering, 2016, 82, 1-10.	1.9	14
50	Displacement-Based Probabilistic Seismic Demand Analyses of Earth Slopes in the Near-Fault Region. Earthquake Spectra, 2016, 32, 1141-1163.	1.6	18
51	An Empirical Model to Predict Topographic Effects in Strong Ground Motion Using California Small- to Medium-Magnitude Earthquake Database. Earthquake Spectra, 2016, 32, 1033-1054.	1.6	24
52	Regional Geology and Seismic Site Amplification in the Washington, DC, Metropolitan Area. , 2015, , .		2
53	Probabilistic Methodology for Developing Regional and Site-Class Dependent Seismic Site Amplification Factors. , 2015, , .		1
54	Sliding Displacement of Flexible Earth Slopes Subject to Near-Fault Ground Motions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	1.5	46

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55	A SSHAC Level 3 Probabilistic Seismic Hazard Analysis for a New-Build Nuclear Site in South Africa. Earthquake Spectra, 2015, 31, 661-698.	1.6	77
56	Preliminary Results from a Study of the Dynamic Geotechnical Properties of Coal Combustion Products (CCP). , 2014, , .		0
57	Application of Single-Station Sigma and Site-Response Characterization in a Probabilistic Seismic-Hazard Analysis for a New Nuclear Site. Bulletin of the Seismological Society of America, 2014, 104, 1601-1619.	1.1	133
58	A Model for Single-Station Standard Deviation Using Data from Various Tectonic Regions. Bulletin of the Seismological Society of America, 2013, 103, 3149-3163.	1.1	120
59	A Method for Including Path Effects in Ground-Motion Prediction Equations: An Example Using the Mw 9.0 Tohoku Earthquake Aftershocks. Bulletin of the Seismological Society of America, 2013, 103, 1360-1372.	1.1	58
60	Site effect assessment using KiK-net data: Part 1. A simple correction procedure for surface/downhole spectral ratios. Bulletin of Earthquake Engineering, 2012, 10, 421-448.	2.3	49
61	Analysis of Single-Station Standard Deviation Using the KiK-net Data. Bulletin of the Seismological Society of America, 2011, 101, 1242-1258.	1.1	140
62	Effects of near-fault ground motions and equivalent pulses on multi-story structures. Engineering Structures, 2011, 33, 767-779.	2.6	171
63	Strength reduction factors for near-fault forward-directivity ground motions. Engineering Structures, 2010, 32, 273-285.	2.6	51
64	Engineering Analysis of Ground Motion Records from the 2001 M_w8.4 Southern Peru Earthquake. Earthquake Spectra, 2010, 26, 499-524.	1.6	9
65	Defining a Standard Rock Site: Propositions Based on the KiK-net Database. Bulletin of the Seismological Society of America, 2010, 100, 172-195.	1.1	49
66	Random Fields for Site Response Analysis. , 2010, , .		1
67	A hypoplastic model for site response analysis. Soil Dynamics and Earthquake Engineering, 2009, 29, 173-184.	1.9	11
68	An Empirical Geotechnical Seismic Site Response Procedure. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 353-380.	0.1	3
69	Design ground motions near active faults. Bulletin of the New Zealand Society for Earthquake Engineering, 2009, 42, 1-8.	0.2	42
70	Probabilistic methodology for the analysis of paleoliquefaction features. Engineering Geology, 2008, 96, 159-172.	2.9	9
71	Seismic Site Response for Near-Fault Forward Directivity Ground Motions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1611-1620.	1.5	27
72	Performance and Analyses of Mechanically Stabilized Earth Walls in the TecomÃ¡n, Mexico Earthquake. Journal of Performance of Constructed Facilities, 2006, 20, 287-299.	1.0	22

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73	Landslides caused by the M 7.6 TecomÃ¡n, Mexico earthquake of January 21, 2003. Engineering Geology, 2006, 86, 183-197.	2.9	47
74	Design spectra including effect of rupture directivity in near-fault region. Earthquake Engineering and Engineering Vibration, 2006, 5, 159-170.	1.1	26
75	Geotechnical Aspects of the January 2003 TecomÃ¡n, Mexico, Earthquake. Earthquake Spectra, 2005, 21, 493-538.	1.6	7
76	Characterization of forward-directivity ground motions in the near-fault region. Soil Dynamics and Earthquake Engineering, 2004, 24, 815-828.	1.9	570
77	Ground Motion and Site Response. Earthquake Spectra, 2003, 19, 11-34.	1.6	9
78	Ground Failure. Earthquake Spectra, 2003, 19, 35-56.	1.6	18
79	Minesâ€"Geotechnical Aspects. Earthquake Spectra, 2003, 19, 57-72.	1.6	0
80	An Empirical Geotechnical Seismic Site Response Procedure. Earthquake Spectra, 2001, 17, 65-87.	1.6	158
81	An implicit integration algorithm for the finite element implementation of a nonlinear anisotropic material model including hysteretic nonlinearity. Computer Methods in Applied Mechanics and Engineering, 2000, 190, 1827-1844.	3.4	6
82	WITHDRAWAL â€“ Administrative Duplicate Publication: V_s-₀ Correction Factors for Input Ground Motions used in Seismic Site Response Analyses. Earthquake Spectra, 0, , .	1.6	0
83	Accounting for Epistemic Uncertainty in Site Effects in Probabilistic Seismic Hazard Analysis. Bulletin of the Seismological Society of America, 0, , .	1.1	7