Fabrice Cotton

List of Publications by Year
in descending order

153	9,175	41323 49	46771 89
papers	citations	h-index	g-index

159	159	159	4700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The nature of noise wavefield and its applications for site effects studies. Earth-Science Reviews, 2006, 79, 205-227.	4.0	509
2	The Variability of Ground-Motion Prediction Models and Its Components. Seismological Research Letters, 2010, 81, 794-801.	0.8	454
3	The 2013 European Seismic Hazard Model: key components and results. Bulletin of Earthquake Engineering, 2015, 13, 3553-3596.	2.3	407
4	H/V ratio: a tool for site effects evaluation. Results from 1-D noise simulations. Geophysical Journal International, 2006, 167, 827-837.	1.0	383
5	Criteria for Selecting and Adjusting Ground-Motion Models for Specific Target Regions: Application to Central Europe and Rock Sites. Journal of Seismology, 2006, 10, 137-156.	0.6	316
6	On the Use of Logic Trees for Ground-Motion Prediction Equations in Seismic-Hazard Analysis. Bulletin of the Seismological Society of America, 2005, 95, 377-389.	1.1	298
7	On the Selection of Ground-Motion Prediction Equations for Seismic Hazard Analysis. Seismological Research Letters, 2010, 81, 783-793.	0.8	244
8	Earthquake scaling, fault segmentation, and structural maturity. Earth and Planetary Science Letters, 2007, 253, 429-438.	1.8	241
9	Reference database for seismic ground-motion in Europe (RESORCE). Bulletin of Earthquake Engineering, 2014, 12, 311-339.	2.3	212
10	On the Use of Response Spectral-Reference Data for the Selection and Ranking of Ground-Motion Models for Seismic-Hazard Analysis in Regions of Moderate Seismicity: The Case of Rock Motion. Bulletin of the Seismological Society of America, 2004, 94, 2164-2185.	1.1	201
11	Toward a ground-motion logic tree for probabilistic seismic hazard assessment in Europe. Journal of Seismology, 2012, 16, 451-473.	0.6	176
12	Analysis of Rock-Fall and Rock-Fall Avalanche Seismograms in the French Alps. Bulletin of the Seismological Society of America, 2008, 98, 1781-1796.	1.1	153
13	An 8Âmonth slow slip event triggers progressive nucleation of the 2014 Chile megathrust. Geophysical Research Letters, 2017, 44, 4046-4053.	1.5	145
14	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
15	Dynamic stress variations due to shear faults in a plane-layered medium. Geophysical Journal International, 1997, 128, 676-688.	1.0	139
16	Analysis of the Origins of Â (Kappa) to Compute Hard Rock to Rock Adjustment Factors for GMPEs. Bulletin of the Seismological Society of America, 2011, 101, 2926-2941.	1.1	139
17	Taxonomy of Â: A Review of Definitions and Estimation Approaches Targeted to Applications. Seismological Research Letters, 2014, 85, 135-146.	0.8	137
18	On the Conversion of Source-to-Site Distance Measures for Extended Earthquake Source Models. Bulletin of the Seismological Society of America, 2004, 94, 1053-1069.	1.1	135

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19	Contribution of radar interferometry to a two-step inversion of the kinematic process of the 1992 Landers earthquake. Journal of Geophysical Research, 1999, 104, 13083-13099.	3.3	134
20	What is Sigma of the Stress Drop?. Seismological Research Letters, 2013, 84, 42-48.	0.8	129
21	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
22	Partially non-ergodic region specific GMPE for Europe and Middle-East. Bulletin of Earthquake Engineering, 2016, 14, 1245-1263.	2.3	119
23	Drainage of a deep magma reservoir near Mayotte inferred from seismicity and deformation. Nature Geoscience, 2020, 13, 87-93.	5.4	109
24	The Challenge of Defining Upper Bounds on Earthquake Ground Motions. Seismological Research Letters, 2004, 75, 82-95.	0.8	108
25	Composite Ground-Motion Models and Logic Trees: Methodology, Sensitivities, and Uncertainties. Bulletin of the Seismological Society of America, 2005, 95, 1575-1593.	1.1	104
26	Spatial and temporal evolution of a long term slow slip event: the 2006 Guerrero Slow Slip Event. Geophysical Journal International, 2011, 184, 816-828.	1.0	103
27	Redistribution of dynamic stress during coseismic ruptures: Evidence for fault interaction and earthquake triggering. Journal of Geophysical Research, 1999, 104, 14925-14945.	3.3	102
28	vS30, Îº, regional attenuation and Mw from accelerograms: application to magnitude 3-5 French earthquakes. Geophysical Journal International, 0, 182, 880-898.	1.0	100
29	Towards fully data driven ground-motion prediction models for Europe. Bulletin of Earthquake Engineering, 2014, 12, 495-516.	2.3	96
30	On the Discrepancy of Recent European Ground-Motion Observations and Predictions from Empirical Models: Analysis of KiK-net Accelerometric Data and Point-Sources Stochastic Simulations. Bulletin of the Seismological Society of America, 2008, 98, 2244-2261.	1.1	85
31	NEW EMPIRICAL RESPONSE SPECTRAL ATTENUATION LAWS FOR MODERATE EUROPEAN EARTHQUAKES. Journal of Earthquake Engineering, 2003, 7, 193-222.	1.4	82
32	Nonstationary Stochastic Simulation of Strong Ground Motion Time Histories Including Natural Variability: Application to the K-Net Japanese Database. Bulletin of the Seismological Society of America, 2006, 96, 2103-2117.	1.1	82
33	Adapting the Neural Network Approach to PGA Prediction: An Example Based on the KiK-net Data. Bulletin of the Seismological Society of America, 2012, 102, 1446-1461.	1.1	81
34	Rupture history and seismotectonics of the 1991 Uttarkashi, Himalaya earthquake. Tectonophysics, 1996, 258, 35-51.	0.9	76
35	Understanding the physics of kappa (<i>Îº</i>): insights from a downhole array. Geophysical Journal International, 2015, 203, 678-691.	1.0	76
36	A new view for the geodynamics of Ecuador: Implication in seismogenic source definition and seismic hazard assessment. Tectonics, 2016, 35, 1249-1279.	1.3	76

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37	On the Testing of Ground-Motion Prediction Equations against Small-Magnitude Data. Bulletin of the Seismological Society of America, 2012, 102, 1994-2007.	1.1	74
38	Rock and Stiff-Soil Site Amplification: Dependency on VS30 and Kappa (Â0). Bulletin of the Seismological Society of America, 2013, 103, 3131-3148.	1.1	73
39	Comparisons among the five ground-motion models developed using RESORCE for the prediction of response spectral accelerations due to earthquakes in Europe and the Middle East. Bulletin of Earthquake Engineering, 2014, 12, 341-358.	2.3	71
40	A regionally-adaptable ground-motion model for shallow crustal earthquakes in Europe. Bulletin of Earthquake Engineering, 2020, 18, 4091-4125.	2.3	71
41	Simultaneous Inversion of Source Spectra, Attenuation Parameters, and Site Responses: Application to the Data of the French Accelerometric Network. Bulletin of the Seismological Society of America, 2008, 98, 198-219.	1.1	69
42	Frequencyâ€Scaled Curvature as a Proxy for Topographic Siteâ€Effect Amplification and Groundâ€Motion Variability. Bulletin of the Seismological Society of America, 2015, 105, 354-367.	1.1	68
43	Self-similarity of the largest-scale segmentation of the faults: Implications for earthquake behavior. Earth and Planetary Science Letters, 2009, 288, 370-381.	1.8	65
44	The pan-European Engineering Strong Motion (ESM) flatfile: compilation criteria and data statistics. Bulletin of Earthquake Engineering, 2019, 17, 561-582.	2.3	63
45	Site-Condition Proxies, Ground Motion Variability, and Data-Driven GMPEs: Insights from the NGA-West2 and RESORCE Data Sets. Earthquake Spectra, 2016, 32, 2027-2056.	1.6	60
46	The probabilistic seismic hazard assessment of Germanyâ€"version 2016, considering the range of epistemic uncertainties and aleatory variability. Bulletin of Earthquake Engineering, 2018, 16, 4339-4395.	2.3	60
47	Does the One-Dimensional Assumption Hold for Site Response Analysis? A Study of Seismic Site Responses and Implication for Ground Motion Assessment Using KiK-Net Strong-Motion Data. Earthquake Spectra, 2019, 35, 883-905.	1.6	58
48	Testing the Applicability of Correlations between Topographic Slope and VS30 for Europe. Bulletin of the Seismological Society of America, 2012, 102, 2585-2599.	1.1	55
49	Constraining the roughness degree of slip heterogeneity. Journal of Geophysical Research, 2010, 115, .	3.3	54
50	Detection and potential early warning of catastrophic flow events with regional seismic networks. Science, 2021, 374, 87-92.	6.0	54
51	Slow slip event in the Mexican subduction zone: Evidence of shallower slip in the Guerrero seismic gap for the 2006 event revealed by the joint inversion of InSAR and GPS data. Earth and Planetary Science Letters, 2013, 367, 52-60.	1.8	53
52	A new approach to site classification: Mixed-effects Ground Motion Prediction Equation with spectral clustering of site amplification functions. Soil Dynamics and Earthquake Engineering, 2018, 110, 318-329.	1.9	53
53	The 2000 Tottori earthquake: A shallow earthquake with no surface rupture and slip properties controlled by depth. Journal of Geophysical Research, 2005, 110, .	3.3	52
54	V S30, slope, H 800 and f 0: performance of various site-condition proxies in reducing ground-motion aleatory variability and predicting nonlinear site response. Earth, Planets and Space, 2017, 69, .	0.9	52

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55	Application-driven ground motion prediction equation for seismic hazard assessments in non-cratonic moderate-seismicity areas. Journal of Seismology, 2017, 21, 1201-1218.	0.6	52
56	Fault location and source process of the Boumerdes, Algeria, earthquake inferred from geodetic and strong motion data. Geophysical Research Letters, 2005, 32, .	1.5	51
57	Regional Stochastic GMPEs in Lowâ€Seismicity Areas: Scaling and Aleatory Variability Analysisâ€"Application to the French Alps. Bulletin of the Seismological Society of America, 2015, 105, 1883-1902.	1.1	50
58	Dependency of Near-Field Ground Motions on the Structural Maturity of the Ruptured Faults. Bulletin of the Seismological Society of America, 2009, 99, 2572-2581.	1.1	49
59	Which is a better proxy, site period or depth to bedrock, in modelling linear site response in addition to the average shear-wave velocity?. Bulletin of Earthquake Engineering, 2020, 18, 797-820.	2.3	49
60	Quantification of Hanging-Wall Effects on Ground Motion: Some Insights from the 1999 Chi-Chi Earthquake. Bulletin of the Seismological Society of America, 2004, 94, 2186-2197.	1.1	48
61	The Estimation of Minimum-Misfit Stochastic Models from Empirical Ground-Motion Prediction Equations. Bulletin of the Seismological Society of America, 2006, 96, 427-445.	1.1	46
62	Epistemic uncertainty and limitations of the<i>Îº</i>₀model for near-surface attenuation at hard rock sites. Geophysical Journal International, 2015, 202, 1627-1645.	1.0	46
63	From Ergodic to Region- and Site-Specific Probabilistic Seismic Hazard Assessment: Method Development and Application at European and Middle Eastern Sites. Earthquake Spectra, 2017, 33, 1433-1453.	1.6	43
64	Toward Seismic Metamaterials: The METAFORET Project. Seismological Research Letters, 2018, 89, 582-593.	0.8	42
65	Evaluation of a novel application of earthquake HVSR in site-specific amplification estimation. Soil Dynamics and Earthquake Engineering, 2020, 139, 106301.	1.9	41
66	Rupture history of September 30, 1999 intraplate earthquake of Oaxaca, Mexico (MW=7.5) from inversion of strong-motion data. Geophysical Research Letters, 2001, 28, 363-366.	1.5	40
67	Toward an empirical ground motion prediction equation for France: accounting for regional differences in the source stress parameter. Bulletin of Earthquake Engineering, 2017, 15, 4681-4717.	2.3	38
68	Detecting Site Resonant Frequency Using HVSR: Fourier versus Response Spectrum and the First versus the Highest Peak Frequency. Bulletin of the Seismological Society of America, 2020, 110, 427-440.	1.1	37
69	New approach for coupling<i>k</i>^{ï¿½ï¿½ï¿½2}and empirical Green's functions: application to the blind prediction of broad-band ground motion in the Grenoble basin. Geophysical Journal International, 2009, 179, 1627-1644.	1.0	35
70	New moment magnitude scale, evidence of stress drop magnitude scaling and stochastic ground motion model for the French West Indies. Geophysical Journal International, 2011, 187, 1625-1644.	1.0	34
71	The pan-European engineering strong motion (ESM) flatfile: consistency check via residual analysis. Bulletin of Earthquake Engineering, 2019, 17, 583-602.	2.3	34
72	A regionally-adaptable â€œscaled backboneâ€• ground motion logic tree for shallow seismicity in Europe: application to the 2020 European seismic hazard model. Bulletin of Earthquake Engineering, 2020, 18, 5087-5117.	2.3	34

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73	Attenuation, Seismic Moments, and Site Effects for Weak-Motion Events: Application to the Pyrenees. Bulletin of the Seismological Society of America, 2005, 95, 1731-1748.	1.1	32
74	Calibrating Median and Uncertainty Estimates for a Practical Use of Empirical Green's Functions Technique. Bulletin of the Seismological Society of America, 2008, 98, 344-353.	1.1	32
75	ATTENUATION RELATION FOR WEST EURASIA DETERMINED WITH RECENT NEAR-FAULT RECORDS FROM CALIFORNIA, JAPAN AND TURKEY. Journal of Earthquake Engineering, 2003, 7, 573-598.	1.4	31
76	Impact of Magnitude Selection on Aleatory Variability Associated with Groundâ€Motion Prediction Equations: Part Iâ€"Local, Energy, and Moment Magnitude Calibration and Stressâ€Drop Variability in Central Italy. Bulletin of the Seismological Society of America, 2018, 108, 1427-1442.	1.1	31
77	Seismicity in the block mountains between Halle and Leipzig, Central Germany: centroid moment tensors, ground motion simulation, and felt intensities of two M â‰ˆâ€‰3 earthquakes in 2015 and 2017. Journal of Seismology, 2018, 22, 985-1003.	0.6	31
78	An open-source site database of strong-motion stations in Japan: K-NET and KiK-net (v1.0.0). Earthquake Spectra, 2021, 37, 2126-2149.	1.6	30
79	Stochastic source, path and site attenuation parameters and associated variabilities for shallow crustal European earthquakes. Bulletin of Earthquake Engineering, 2017, 15, 4531-4561.	2.3	29
80	A unified model for dynamic and static stress triggering of aftershocks, antishocks, remote seismicity, creep events, and multisegmented rupture. Journal of Geophysical Research, 2004, 109, .	3.3	28
81	Selection and ranking of ground motion models for seismic hazard analysis in the Pyrenees. Journal of Seismology, 2007, 11, 87-100.	0.6	26
82	NGA-West2 Empirical Fourier and Duration Models to Generate Adjustable Response Spectra. Earthquake Spectra, 2019, 35, 61-93.	1.6	25
83	Impact of Magnitude Selection on Aleatory Variability Associated with Groundâ€Motion Prediction Equations: Part IIâ€"Analysis of the Betweenâ€Event Distribution in Central Italy. Bulletin of the Seismological Society of America, 2019, 109, 251-262.	1.1	25
84	Understanding single-station ground motion variability and uncertainty (sigma): lessons learnt from EUROSEISTEST. Bulletin of Earthquake Engineering, 2018, 16, 2311-2336.	2.3	24
85	Empirical Models of Shear-Wave Radiation Pattern Derived from Large Datasets of Ground-Shaking Observations. Scientific Reports, 2019, 9, 981.	1.6	23
86	A Two-Scale Preparation Phase Preceded an MwÂ5.8 Earthquake in the Sea of Marmara Offshore Istanbul, Turkey. Seismological Research Letters, 2020, 91, 3139-3147.	0.8	22
87	Re-thinking site amplification in regional seismic risk assessment. Earthquake Spectra, 2020, 36, 274-297.	1.6	22
88	Earthquake risk in reinforced concrete buildings during aftershock sequences based on period elongation and operational earthquake forecasting. Structural Safety, 2020, 84, 101922.	2.8	22
89	How well can we predict earthquake site response so far? Site-specific approaches. Earthquake Spectra, 2022, 38, 1047-1075.	1.6	22
90	Evaluating hazard results for Switzerland and how not to do it: A discussion of â€œProblems in the application of the SSHAC probability method for assessing earthquake hazards at Swiss nuclear power plantsâ€• by J-U KlÃ¼gel. Engineering Geology, 2005, 82, 43-55.	2.9	20

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91	Derivativeâ€Based Global Sensitivity Analysis: Upper Bounding of Sensitivities in Seismicâ€Hazard Assessment Using Automatic Differentiation. Bulletin of the Seismological Society of America, 2017, 107, 984-1004.	1.1	20
92	Site-Corrected Magnitude- and Region-Dependent Correlations of Horizontal Peak Spectral Amplitudes. Earthquake Spectra, 2017, 33, 1415-1432.	1.6	20
93	Temporal Variability of Ground Shaking and Stress Drop in Central Italy: A Hint for Fault Healing?. Bulletin of the Seismological Society of America, 2018, 108, 1853-1863.	1.1	20
94	A transparent and data-driven global tectonic regionalization model for seismic hazard assessment. Geophysical Journal International, 2018, 213, 1263-1280.	1.0	19
95	Capturing Regional Variations of Hardâ€Rock Îº0 from Coda Analysis. Bulletin of the Seismological Society of America, 2018, 108, 399-408.	1.1	19
96	Spatiotemporal Variations of Ground Motion in Northern Chile before and after the 2014 MwÂ8.1 Iquique Megathrust Event. Bulletin of the Seismological Society of America, 2018, 108, 801-814.	1.1	19
97	Kinematic study of Iquique 2014 M 8.1 earthquake: Understanding the segmentation of the seismogenic zone. Earth and Planetary Science Letters, 2018, 503, 131-143.	1.8	19
98	Effects of finite source rupture on landslide triggering: the 2016 <i>M</i>_wÂ7.1 Kumamoto earthquake. Solid Earth, 2019, 10, 463-486.	1.2	19
99	Capturing Regional Variations of Hardâ€Rock Attenuation in Europe. Bulletin of the Seismological Society of America, 2019, 109, 1401-1418.	1.1	18
100	Variable-resolution building exposure modelling for earthquake and tsunami scenario-based risk assessment: an application case in Lima, Peru. Natural Hazards and Earth System Sciences, 2021, 21, 3599-3628.	1.5	18
101	A ground motion logic tree for seismic hazard analysis in the stable cratonic region of Europe: regionalisation, model selection and development of a scaled backbone approach. Bulletin of Earthquake Engineering, 2020, 18, 6119-6148.	2.3	16
102	Testing Nonlinear Amplification Factors of Ground-Motion Models. Bulletin of the Seismological Society of America, 2021, 111, 2121-2137.	1.1	16
103	Is Groundâ€Motion Variability Distance Dependent? Insight from Finiteâ€Source Rupture Simulations. Bulletin of the Seismological Society of America, 2015, 105, 950-962.	1.1	15
104	An Evaluation of the Applicability of NGAâ€West2 Groundâ€Motion Models for Japan and New Zealand. Bulletin of the Seismological Society of America, 2018, 108, 836-856.	1.1	15
105	Determination of geomechanical site effects in France from macroseismic intensities and reliability of macroseismic magnitude of historical events. Tectonophysics, 2000, 324, 81-110.	0.9	14
106	Stability of the Rake during the 1992, Landers Earthquake. An indication for a small stress release?. Geophysical Research Letters, 1995, 22, 1921-1924.	1.5	13
107	Measuring the Performance of Groundâ€Motion Models: The Importance of Being Independent. Seismological Research Letters, 2017, 88, 1212-1217.	0.8	13
108	A Frequency-Dependent Model for the Shape of the Fourier Amplitude Spectrum of Acceleration at High Frequencies. Bulletin of the Seismological Society of America, 2020, 110, 2743-2754.	1.1	12

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109	Data-driven and machine learning identification of seismic reference stations in Europe. Geophysical Journal International, 2020, 222, 861-873.	1.0	12
110	Spatiotemporal Evolution of Microseismicity Seismic Source Properties at the Irpinia Near-Fault Observatory, Southern Italy. Bulletin of the Seismological Society of America, 0, , .	1.1	12
111	A comparison between short term (Co-Seismic) and long term (one year) slip for the Landers Earthquake: Measurements from strong motion and SAR interferometry. Geophysical Research Letters, 1997, 24, 1579-1582.	1.5	11
112	Moderate Earthquake Teleseismic Depth Estimations: New Methods and Use of the Comprehensive Nuclear-Test-Ban Treaty Organization Network Data. Bulletin of the Seismological Society of America, 2014, 104, 593-607.	1.1	11
113	A new, improved and fully automatic method for teleseismic depth estimation of moderate earthquakes (4.5Â<ÂMÂ<Â5.5): application to the Guerrero subduction zone (Mexico). Geophysical Journal International, 2015, 201, 1834-1848.	1.0	11
114	Stream2segment: An Openâ€Source Tool for Downloading, Processing, and Visualizing Massive Eventâ€Based Seismic Waveform Datasets. Seismological Research Letters, 0, , .	0.8	11
115	Within-Station Variability in Kappa: Evidence of Directionality Effects. Bulletin of the Seismological Society of America, 2020, 110, 1247-1259.	1.1	11
116	A regionally adaptable ground-motion model for fourier amplitude spectra of shallow crustal earthquakes in Europe. Bulletin of Earthquake Engineering, 2022, 20, 711-740.	2.3	11
117	Spatial Variability of the Directivity Pulse Periods Observed during an Earthquake. Bulletin of the Seismological Society of America, 2017, 107, 308-318.	1.1	10
118	Insights on the Japanese Subduction Megathrust Properties From Depth and Lateral Variability of Observed Ground Motions. Journal of Geophysical Research: Solid Earth, 2018, 123, 8937-8956.	1.4	10
119	Ground-Motion Modeling as an Image Processing Task: Introducing a Neural Network Based, Fully Data-Driven, and Nonergodic Approach. Bulletin of the Seismological Society of America, 2022, 112, 1565-1582.	1.1	10
120	Coordinated and Interoperable Seismological Data and Product Services in Europe: the EPOS Thematic Core Service for Seismology. Annals of Geophysics, 2022, 65, DM213.	0.5	10
121	REGAL; reseau GPS permanent dans les Alpes occidentales; configuration et premiers resultats. Bulletin - Societie Geologique De France, 2001, 172, 141-158.	0.9	9
122	Testing the Depths to 1.0 and 2.5â€‰â€‰km/s Velocity Isosurfaces in a Velocity Model for Japan and Implications for Groundâ€Motion Modeling. Bulletin of the Seismological Society of America, 2019, 109, 2710-2721.	1.1	9
123	Regional broad-band ground-shaking modelling over extended and thick sedimentary basins: an example from the Lower Rhine Embayment (Germany). Bulletin of Earthquake Engineering, 2021, 19, 581-603.	2.3	9
124	Within-site variability in earthquake site response. Geophysical Journal International, 2022, 229, 1268-1281.	1.0	9
125	Calculating earthquake damage building by building: the case of the city of Cologne, Germany. Bulletin of Earthquake Engineering, 2022, 20, 1519-1565.	2.3	9
126	Empirical ground-motion models adapted to the intensity measure ASA 40. Bulletin of Earthquake Engineering, 2015, 13, 3625-3643.	2.3	8

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127	Regional Calibration of Hybrid Ground-Motion Simulations in Moderate Seismicity Areas: Application to the Upper Rhine Graben. Bulletin of the Seismological Society of America, 2021, 111, 1422-1444.	1.1	8
128	Epistemic uncertainty of probabilistic building exposure compositions in scenario-based earthquake loss models. Bulletin of Earthquake Engineering, 2022, 20, 2401-2438.	2.3	8
129	Near-source magnitude scaling of spectral accelerations: analysis and update of Kotha et al. (2020) model. Bulletin of Earthquake Engineering, 2022, 20, 1343-1370.	2.3	8
130	Lateral variations of the Guerreroâ€“Oaxaca subduction zone (Mexico) derived from weak seismicity (Mb3.5+) detected on a single array at teleseismic distance. Geophysical Journal International, 2018, 213, 1002-1012.	1.0	7
131	Traces d'activitÃ© plÃ©istocÃ¨ne de failles dans le Nord du fossÃ© du Rhin supÃ©rieur (plaine d'Alsace,) Tj ETQq1 1 0.784314 rgBT /O Terre Et Des PlanÃ¨tes =, 1999, 328, 839-846.	0.2	6
132	Uncertainty Analysis of Strong-Motion and Seismic Hazard? by R. Sigbjï¿½rnsson and N.N. Ambraseys. Bulletin of Earthquake Engineering, 2004, 2, 261-267.	2.3	6
133	Exploring the Dimensionality of Ground-Motion Data by Applying Autoencoder Techniques. Bulletin of the Seismological Society of America, 2021, 111, 1563-1576.	1.1	6
134	Volcanic Tremor Extraction and Earthquake Detection Using Music Information Retrieval Algorithms. Seismological Research Letters, 2021, 92, 3668-3681.	0.8	6
135	How much are sites affected by 2-D and 3-D site effects? A study based on single-station earthquake records and implications for ground motion modelling. Geophysical Journal International, 2021, 228, 1992-2004.	1.0	6
136	Spatiotemporal Evolution of Ground-Motion Intensity at the Irpinia Near-Fault Observatory, Southern Italy. Bulletin of the Seismological Society of America, 2022, 112, 243-261.	1.1	6
137	The 2000 western Tottori (Japan) earthquake: Triggering of the largest aftershock and constraints on the slipâ€weakening distance. Journal of Geophysical Research, 2008, 113, .	3.3	5
138	Analysis of the 2019 MwÂ5.8 Silivri Earthquake Ground Motions: Evidence of Systematic Azimuthal Variations Associated with Directivity Effects. Seismological Research Letters, 2022, 93, 693-705.	0.8	5
139	High-frequency directivity effects: evidence from analysis of the Les Saintes records. Journal of Seismology, 2014, 18, 457-466.	0.6	4
140	A Python Library for Teaching Computation to Seismology Students. Seismological Research Letters, 2018, 89, 1165-1171.	0.8	4
141	A Regionalized Seismicity Model for Subduction Zones Based on Geodetic Strain Rates, Geomechanical Parameters, and Earthquakeâ€Catalog Data. Bulletin of the Seismological Society of America, 2019, 109, 2036-2049.	1.1	4
142	Within- and Between-Event Variabilities of Strong-Velocity Pulses of Moderate Earthquakes within Dense Seismic Arrays. Bulletin of the Seismological Society of America, 2022, 112, 361-380.	1.1	4
143	Data-driven testing of the magnitude dependence of earthquake stress parameters using the NGA-West 2 dataset. Journal of Seismology, 2020, 24, 1095-1107.	0.6	3
144	Seismic Hazard Analysis of Surface Level, Using Topographic Condition in the Northeast of Algeria. Pure and Applied Geophysics, 2021, 178, 823-846.	0.8	3

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145	A ground motion based procedure to identify the earthquakes that are the most relevant for probabilistic seismic hazard analysis. Earthquake Spectra, 2021, 37, 762-788.	1.6	3
146	Improving depth estimations of African earthquakes using teleseismic data, and influence for the East-African rift seismic hazard characterization. Geophysical Journal International, 2021, 228, 447-460.	1.0	3
147	RegalÂ: rÃ©seau GPS permanent dans les Alpes occidentales. Configuration et premiers rÃ©sultats. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2000, 331, 435-442.	0.2	2
148	A Magnitude Attenuation Function Derived for the 2014 Pisagua (Chile) Sequence Using Strong-Motion Data. Bulletin of the Seismological Society of America, 2014, 104, 3145-3152.	1.1	2
149	Applying Conservation of Energy to Estimate Earthquake Frequencies from Strain Rates and Stresses. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020186.	1.4	2
150	A Link between Machine Learning and Optimization in Ground-Motion Model Development: Weighted Mixed-Effects Regression with Data-Driven Probabilistic Earthquake Classification. Bulletin of the Seismological Society of America, 2020, 110, 2777-2800.	1.1	2
151	Uncertainty reduction of stress tensor inversion with data-driven catalogue selection. Geophysical Journal International, 2018, 214, 2250-2263.	1.0	1
152	Pics d'accÃ©lÃ©ration du mouvement sismique observÃ©s lors du sÃ©isme de Chichi Ã Taiwan : application Ã l'estimation de l'alÃ©a sismique. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2001, 333, 45-55.	0.2	0
153	<i>Erratum to</i>Taxonomy of<i>Îº</i>: A Review of Definitions and Estimation Approaches Targeted to Applications. Seismological Research Letters, 2017, 88, 875-876.	0.8	0