Elisa Tinti

List of Publications by Year
in descending order

42 papers	2,307 citations	257450 24 h-index	289244 40 g-index
49 all docs	49 docs citations	49 times ranked	2019 citing authors

#	Article	IF	Citations
1	The 2016 Central Italy Seismic Sequence: A First Look at the Mainshocks, Aftershocks, and Source Models. Seismological Research Letters, 2017, 88, 757-771.	1.9	349
2	Rupture history of the 2009 L'Aquila (Italy) earthquake from nonâ€linear joint inversion of strong motion and GPS data. Geophysical Research Letters, 2009, 36, .	4.0	178
3	Earthquake fracture energy inferred from kinematic rupture models on extended faults. Journal of Geophysical Research, 2005, 110, .	3.3	162
4	A Kinematic Source-Time Function Compatible with Earthquake Dynamics. Bulletin of the Seismological Society of America, 2005, 95, 1211-1223.	2.3	156
5	Slip heterogeneity and directivity of the M_L 6.0, 2016, Amatrice earthquake estimated with rapid finiteâ€fault inversion. Geophysical Research Letters, 2016, 43, 10,745.	4.0	155
6	Precursory changes in seismic velocity for the spectrum of earthquake failure modes. Nature Geoscience, 2016, 9, 695-700.	12.9	134
7	Real-Time Determination of Seismic Moment Tensor for the Italian Region. Bulletin of the Seismological Society of America, 2009, 99, 2223-2242.	2.3	112
8	Complex Fault Geometry and Rupture Dynamics of the M_W 6.5, 30 October 2016, Central Italy Earthquake. Journal of Geophysical Research: Solid Earth, 2018, 123, 2943-2964.	3.4	93
9	Fast Determination of Moment Tensors and Rupture History: What Has Been Learned from the 6 April 2009 L'Aquila Earthquake Sequence. Seismological Research Letters, 2010, 81, 892-906.	1.9	82
10	On the scale dependence of earthquake stress drop. Journal of Seismology, 2016, 20, 1151-1170.	1.3	70
11	On the evolution of elastic properties during laboratory stickâ€slip experiments spanning the transition from slow slip to dynamic rupture. Journal of Geophysical Research: Solid Earth, 2016, 121, 8569-8594.	3.4	61
12	Complexity of the rupture process during the 2009 Lâ€™Aquila, Italy, earthquake. Geophysical Journal International, 2012, 190, 607-621.	2.4	60
13	Rupture Process of the 2019 Ridgecrest, California MwÂ6.4 Foreshock and MwÂ7.1 Earthquake Constrained by Seismic and Geodetic Data. Bulletin of the Seismological Society of America, 2020, 110, 1603-1626.	2.3	60
14	The 2012 Pianura Padana Emiliana seimic sequence: locations, moment tensors and magnitudes. Annals of Geophysics, 2012, 55, .	1.0	53
15	Physical interpretation of the breakdown process using a rate- and state-dependent friction law. Tectonophysics, 2004, 378, 241-262.	2.2	50
16	Dependence of slip weakening distance (Dc) on final slip during dynamic rupture of earthquakes. Geophysical Journal International, 2009, 177, 1205-1220.	2.4	48
17	The dependence of traction evolution on the earthquake source time function adopted in kinematic rupture models. Geophysical Research Letters, 2004, 31, .	4.0	39
18	Scale dependence in the dynamics of earthquake propagation: Evidence from seismological and geological observations. Earth and Planetary Science Letters, 2008, 273, 123-131.	4.4	37

#	Article	IF	Citations
19	Evolution of shear fabric in granular fault gouge from stable sliding to stick slip and implications for fault slip mode. Geology, 0, , G39033.1.	4.4	36
20	Estimates of slip weakening distance for different dynamic rupture models. Geophysical Research Letters, 2004, 31, .	4.0	35
21	On the mechanical work absorbed on faults during earthquake ruptures. Geophysical Monograph Series, 2006, , 237-254.	0.1	32
22	Rupture process of the 2007 Niigata-ken Chuetsu-oki earthquake by non-linear joint inversion of strong motion and GPS data. Geophysical Research Letters, 2008, 35, .	4.0	31
23	Chapter 6 The Critical Slip Distance for Seismic and Aseismic Fault Zones of Finite Width. International Geophysics, 2009, 94, 135-162.	0.6	29
24	Chapter 7 Scaling of Slip Weakening Distance with Final Slip during Dynamic Earthquake Rupture. International Geophysics, 2009, 94, 163-186.	0.6	29
25	Variability of Kinematic Source Parameters and Its Implication on the Choice of the Design Scenario. Bulletin of the Seismological Society of America, 2010, 100, 941-953.	2.3	27
26	Heterogeneous Behavior of the Campotosto Normal Fault (Central Italy) Imaged by InSAR GPS and Strong-Motion Data: Insights from the 18 January 2017 Events. Remote Sensing, 2019, 11, 1482.	4.0	21
27	The Role of Shear Fabric in Controlling Breakdown Processes During Laboratory Slowâ€Slip Events. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020405.	3.4	19
28	Uncertainty estimations for moment tensor inversions: the issue of the 2012 May 20 Emilia earthquake. Geophysical Journal International, 2016, 206, 792-806.	2.4	18
29	Broad-band ground-motion simulation of 2016 Amatrice earthquake, Central Italy. Geophysical Journal International, 2020, 224, 1753-1779.	2.4	18
30	The role of shale content and pore-water saturation on frictional properties of simulated carbonate faults. Tectonophysics, 2021, 807, 228811.	2.2	15
31	Constraining families of dynamic models using geological, geodetic and strong ground motion data: The Mw 6.5, October 30th, 2016, Norcia earthquake, Italy. Earth and Planetary Science Letters, 2021, 576, 117237.	4.4	15
32	Up-dip directivity in near-source during the 2009 L'Aquila main shock. Geophysical Journal International, 2014, 198, 1618-1631.	2.4	13
33	Modelling deformation rates in the western Gulf of Corinth: rheological constraints. Geophysical Journal International, 2008, 174, 749-757.	2.4	12
34	Frictional controls on the seismogenic zone: Insights from the Apenninic basement, Central Italy. Earth and Planetary Science Letters, 2022, 583, 117444.	4.4	10
35	Correction to â€œEarthquake fracture energy inferred from kinematic rupture models on extended faultsâ€• Journal of Geophysical Research, 2008, 113, .	3.3	9
36	Variability in synthetic earthquake ground motions caused by source variability and errors in wave propagation models. Geophysical Journal International, 2019, 219, 346-372.	2.4	9

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37	Hybrid broadband strong-motion simulation to investigate the near-source characteristics of the M6.5, 30 October 2016 Norcia, Italy earthquake. Soil Dynamics and Earthquake Engineering, 2021, 149, 106866.	3.8	8
38	Lithological and stress anisotropy control large-scale seismic velocity variations in tight carbonates. Scientific Reports, 2021, 11, 9472.	3.3	6
39	The first month of the 2016 central Italy seismic sequence: fast determination of time domain moment tensors and finite fault model analysis of the ML 5.4 aftershock. Annals of Geophysics, 2016, 59, .	1.0	6
40	The Role of Fault Rock Fabric in the Dynamics of Laboratory Faults. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	4
41	Erratum to Rupture Process of the 2019 Ridgecrest, California MwÂ6.4 Foreshock and MwÂ7.1 Earthquake Constrained by Seismic and Geodetic Data. Bulletin of the Seismological Society of America, 2021, 111, 621-621.	2.3	1
42	Centroid Moment Tensor catalog with 3D lithospheric wavespeed model: the 2016â€“2017 Central Apennines sequence. Journal of Geophysical Research: Solid Earth, 0, , .	3.4	1