Alessandro M Michetti

List of Publications by Year
in descending order

81 papers	2,953 citations	136950 32 h-index	175258 52 g-index
90 all docs	90 docs citations	90 times ranked	2184 citing authors

#	Article	IF	Citations
1	Spatial and temporal variations in growth rates along active normal fault systems: an example from The Lazioâ€“Abruzzo Apennines, central Italy. Journal of Structural Geology, 2004, 26, 339-376.	2.3	302
2	Trench investigations of the 1915 Fucino earthquake fault scarps (Abruzzo, central Italy): Geological evidence of large historical events. Journal of Geophysical Research, 1996, 101, 5921-5936.	3.3	143
3	Surface ruptures following the 30 October 2016 <i>M</i>_w 6.5 Norcia earthquake, central Italy. Journal of Maps, 2018, 14, 151-160.	2.0	121
4	Fault scarps and deformation rates in Lazioâ€“Abruzzo, Central Italy: Comparison between geological fault slip-rate and GPS data. Tectonophysics, 2005, 408, 147-176.	2.2	112
5	Fault scaling relationships, deformation rates and seismic hazards: an example from the Lazioâ€“Abruzzo Apennines, central Italy. Journal of Structural Geology, 2004, 26, 377-398.	2.3	103
6	Dual control of fault intersections on stop-start rupture in the 2016 Central Italy seismic sequence. Earth and Planetary Science Letters, 2018, 500, 1-14.	4.4	100
7	Future trends in paleoseismology: Integrated study of the seismic landscape as a vital tool in seismic hazard analyses. Tectonophysics, 2005, 408, 3-21.	2.2	90
8	Orogen-scale uplift in the central Italian Apennines drives episodic behaviour of earthquake faults. Scientific Reports, 2017, 7, 44858.	3.3	90
9	A database of the coseismic effects following the 30 October 2016 Norcia earthquake in Central Italy. Scientific Data, 2018, 5, 180049.	5.3	89
10	Ground Effects during the 9 September 1998, Mw = 5.6 Lauria Earthquake and the Seismic Potential of the "Aseismic" Pollino Region in Southern Italy. Seismological Research Letters, 2000, 71, 31-46.	1.9	84
11	Fault-generated mountain fronts in the central apennines (Central Italy): Geomorphological features and seismotectonic implications. Earth Surface Processes and Landforms, 1993, 18, 203-223.	2.5	72
12	Slip distributions on active normal faults measured from LiDAR and field mapping of geomorphic offsets: an example from L'Aquila, Italy, and implications for modelling seismic moment release. Geomorphology, 2015, 237, 130-141.	2.6	66
13	10Be exposure ages of a rock avalanche and a late glacial moraine in Alta Valtellina, Italian Alps. Quaternary International, 2008, 190, 136-145.	1.5	64
14	Surface Faulting of the 6 April 2009 Mw 6.3 L'Aquila Earthquake in Central Italy. Bulletin of the Seismological Society of America, 2011, 101, 1507-1530.	2.3	64
15	Geological evidence for strong historical earthquakes in an â€œaseismicâ€•region: The Pollino case (Southern Italy). Journal of Geodynamics, 1997, 24, 67-86.	1.6	61
16	Earthquake Hazard and the Environmental Seismic Intensity (ESI) Scale. Pure and Applied Geophysics, 2016, 173, 1479-1515.	1.9	60
17	Active fault-related folding in the epicentral area of the December 25, 1222 (Io=IX MCS) Brescia earthquake (Northern Italy): Seismotectonic implications. Tectonophysics, 2009, 476, 320-335.	2.2	59
18	Horizontal strain-rates and throw-rates across breached relay zones, central Italy: Implications for the preservation of throw deficits at points of normal fault linkage. Journal of Structural Geology, 2009, 31, 1145-1160.	2.3	58

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19	Relationship between topography, rates of extension and mantle dynamics in the actively-extending Italian Apennines. Earth and Planetary Science Letters, 2012, 325-326, 76-84.	4.4	58
20	EVIDENCE FOR SURFACE FAULTING DURING THE SEPTEMBER 26, 1997, COLFIORITO (CENTRAL ITALY) EARTHQUAKES. Journal of Earthquake Engineering, 1998, 2, 303-324.	2.5	55
21	Title is missing!. Surveys in Geophysics, 2002, 23, 529-562.	4.6	54
22	Fault slip-rate variations during crustal-scale strain localisation, central Italy. Geophysical Research Letters, 2002, 29, 9-1-9-4.	4.0	51
23	Partitioned postseismic deformation associated with the 2009 Mw 6.3 L'Aquila earthquake surface rupture measured using a terrestrial laser scanner. Geophysical Research Letters, 2010, 37, .	4.0	50
24	Palaeoseismology: historical and prehistorical records of earthquake ground effects for seismic hazard assessment. Geological Society Special Publication, 2009, 316, 1-10.	1.3	45
25	InSAR data as a field guide for mapping minor earthquake surface ruptures: Ground displacements along the Paganica Fault during the 6 April 2009 L'Aquila earthquake. Journal of Geophysical Research, 2010, 115, .	3.3	45
26	Paleoseismology: Understanding past earthquakes using quaternary geology. Journal of Geodynamics, 1997, 24, 3-10.	1.6	44
27	Ground effects and surface faulting in the Septemberâ€"October 1997 Umbriaâ€"Marche (Central Italy) seismic sequence. Journal of Geodynamics, 2000, 29, 535-564.	1.6	44
28	The loess-paleosol sequence at Monte Netto: a record of climate change in the Upper Pleistocene of the central Po Plain, northern Italy. Journal of Soils and Sediments, 2015, 15, 1329-1350.	3.0	43
29	Mechanisms of Earthquakeâ€Induced Chemical and Fluid Transport to Carbonate Groundwater Springs After Earthquakes. Water Resources Research, 2018, 54, 5225-5244.	4.2	43
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37	Progressive offset and surface deformation along a seismogenic blind thrust in the Po Plain foredeep (Southern Alps, Northern Italy). Journal of Geophysical Research: Solid Earth, 2014, 119, 7701-7721.	3.4	25
38	Slip on a mapped normal fault for the 28th December 1908 Messina earthquake (Mw 7.1) in Italy. Scientific Reports, 2019, 9, 6481.	3.3	25
39	Capable faulting, environmental effects and seismic landscape in the area affected by the 1997 Umbriaâ€“Marche (Central Italy) seismic sequence. Tectonophysics, 2009, 476, 269-281.	2.2	24
40	Earthquake Ground Effects and Intensity of the 16 April 2016 MwÂ7.8 Pedernales, Ecuador, Earthquake: Implications for the Source Characterization of Large Subduction Earthquakes. Bulletin of the Seismological Society of America, 2018, 108, 3384-3397.	2.3	24
41	Active compressional tectonics, Quaternary capable faults, and the seismic landscape of the Po Plain (northern Italy). Annals of Geophysics, 2013, 55, .	1.0	23
42	Landslides Triggered by the 2016 Mw 7.8 Pedernales, Ecuador Earthquake: Correlations with ESI-07 Intensity, Lithology, Slope and PGA-h. Geosciences (Switzerland), 2019, 9, 371.	2.2	20
43	Subsidence in Como historic centre (northern Italy): Assessment of building vulnerability combining hydrogeological and stratigraphic features, Cosmo-SkyMed InSAR and damage data. International Journal of Disaster Risk Reduction, 2021, 56, 102115.	3.9	20
44	Ground effects of the 18 October 1992, Murindo earthquake (NW Colombia), using the Environmental Seismic Intensity Scale (ESI 2007) for the assessment of intensity. Geological Society Special Publication, 2009, 316, 123-144.	1.3	18
45	Surface faulting during the August 24, 2016, Central Italy earthquake (Mw 6.0): preliminary results. Annals of Geophysics, 2016, 59, .	1.0	18
46	Integrating multidisciplinary, multiscale geological and geophysical data to image the Castrovillari fault (Northern Calabria, Italy). Geophysical Journal International, 2015, 203, 1847-1863.	2.4	17
47	Variable fault tip propagation rates affected by near-surface lithology and implications for fault displacement hazard assessment. Journal of Structural Geology, 2020, 130, 103914.	2.3	17
48	The 2017, MD = 4.0, Casamicciola Earthquake: ESI-07 Scale Evaluation and Implications for the Source Model. Geosciences (Switzerland), 2021, 11, 44.	2.2	17
49	Land subsidence and Late Glacial environmental evolution of the Como urban area (Northern Italy). Quaternary International, 2007, 173-174, 67-86.	1.5	16
50	Late Quaternary environmental evolution of the Como urban area (Northern Italy): A multidisciplinary tool for risk management and urban planning. Engineering Geology, 2015, 193, 384-401.	6.3	14
51	Morphotectonics and late Quaternary seismic stratigraphy of Lake Garda (Northern Italy). Geomorphology, 2020, 371, 107427.	2.6	14
52	Ground effects induced by the 2012 seismic sequence in Emilia: implications for seismic hazard assessment in the Po Plain. Annals of Geophysics, 2012, 55, .	1.0	14
53	Towards the Understanding of Hydrogeochemical Seismic Responses in Karst Aquifers: A Retrospective Meta-Analysis Focused on the Apennines (Italy). Minerals (Basel, Switzerland), 2020, 10, 1058.	2.0	13
54	Lakes as paleoseismic records in a seismically-active, low-relief area (Rieti Basin, central Italy). Quaternary Science Reviews, 2019, 211, 186-207.	3.0	12

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55	Geological criteria for evaluating seismicity revisited: Forty years of paleoseismic investigations and the natural record of past earthquakes. , 2011, , .		11
56	First evidence for Late Pleistocene to Holocene earthquake surface faulting in the Eastern Monferrato Arc (Northern Italy): Geology, pedostratigraphy and structural study of the Pecetto di Valenza site. Quaternary International, 2017, 451, 143-164.	1.5	9
57	Fifteen years of Environmental Seismic Intensity (ESI-07) scale: Dataset compilation and insights from empirical regressions. Quaternary International, 2022, 625, 107-119.	1.5	9
58	Stratigraphic evidence of coseismic faulting and aseismic fault creep from exploratory trenches at Mt. Etna Volcano (Sicily, Italy). , 2002, , .		8
59	Developing the First Intensity Prediction Equation Based on the Environmental Scale Intensity: A Case Study from Strong Normal-Faulting Earthquakes in the Italian Apennines. Seismological Research Letters, 2020, 91, 2611-2623.	1.9	8
60	Distribution and magnitude of post-seismic deformation of the 2009 Lâ€™Aquila earthquake (M6.3) surface rupture measured using repeat terrestrial laser scanning. Geophysical Journal International, 2012, 189, 911-922.	2.4	7
61	Fault rupture and aseismic creep accompanying the December 26, 2018, Mw 4.9 Fleri earthquake (Mt.) Tj ETQq1 1 0.784314 rgBT /Ove International, 2023, 651, 25-41.	1.5	7
62	Geochemical Markers as a Tool for the Characterization of a Multi-Layer Urban Aquifer: The Case Study of Como (Northern Italy). Water (Switzerland), 2022, 14, 124.	2.7	7
63	Joint Interpretation of Geophysical Results and Geological Observations for Detecting Buried Active Faults: The Case of the â€œIl Lagoâ€• Plain (Pettoranello del Molise, Italy). Remote Sensing, 2021, 13, 1555.	4.0	6
64	Environmental effects caused by the Mw 8.2, September 8, 2017, and Mw 7.4, June 23, 2020, Chiapas-Oaxaca (Mexico) subduction events: Comparison of large intraslab and interface earthquakes. Quaternary International, 2023, 651, 62-76.	1.5	6
65	Geological and Geophysical Approaches for the Definition of the Areas Prone to Liquefaction and for the Identification and Characterization of Paloeliquefaction Phenomena, the Case of the 2012 Emilia Epicentral Area, Italy. , 2015, , 951-955.		5
66	The Midâ€eighth Century CE Surface Faulting Along the Dead Sea Fault at Tiberias (Sea of Galilee, Israel). Tectonics, 2020, 39, e2020TC006186.	2.8	5
67	Regression Analysis of Subsidence in the Como Basin (Northern Italy): New Insights on Natural and Anthropic Drivers from InSAR Data. Remote Sensing, 2020, 12, 2931.	4.0	5
68	Intensity Scale ESI 2007 for Assessing Earthquake Intensities. , 2015, , 1-20.		5
69	Climatic and anthropogenic forcing of prehistorical vegetation succession and fire dynamics in the Lago di Como area (N-Italy, Insubria). Quaternary Science Reviews, 2017, 161, 45-67.	3.0	4
70	Landslides Induced by Historical and Recent Earthquakes in Central-Southern Apennines (Italy): A Tool for Intensity Assessment and Seismic Hazard. , 2013, , 295-303.		4
71	Photographic Reportage on the Rebuilding after the Irpinia-Basilicata 1980 Earthquake (Southern) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	4
72	Quaternary geology and paleoseismology in the Fucino and Lâ€™Aquila basins. Geological Field Trips, 2015, 8, 1-88.	0.5	3

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73	Surface Faulting Hazard in Italy: Towards a First Assessment Based on the ITHACA Database. , 2015, , 1021-1025.		3
74	40 Years Later: New Perspectives on the 23 November 1980, Ms 6.9, Irpinia-Lucania Earthquake. Geosciences (Switzerland), 2022, 12, 173.	2.2	3
75	Effects of Pleistocene to Holocene seismicity on the landforms and fluvial-lacustrine sequences of the Ixtlahuaca paleobasin, and their possible relation with the Acambay graben: Implications for the seismic hazard assessment of central Mexico. Journal of South American Earth Sciences, 2021, 110, 103336.	1.4	2
76	New stratigraphic and structural evidence for Late Pleistocene surface faulting along the Monte Olimpino Backthrust (Lombardia, N Italy).. Rendiconti Online Societa Geologica Italiana, 2011, , .	0.3	2
77	Introduction: The Dead Sea Rift as a natural laboratory for neotectonics and paleoseismology. Israel Journal of Earth Sciences, 2009, 58, 139-145.	0.3	1
78	EEE Catalogue: A Global Database of Earthquake Environmental Effects. , 2015, , 932-944.		1
79	Intensity Scale ESI 2007 for Assessing Earthquake Intensities. , 2015, , 1219-1237.		1
80	EEE Catalogue: A Global Database of Earthquake Environmental Effects. , 2014, , 1-14.		0
81	LINKING FIELD DATA, STRESS MODELLING AND COSMOGENIC ANALYSES TO UNDERSTAND FAULT INTERACTION AND HISTORICAL EARTHQUAKES IN THE ITALIAN APENNINES. , 2020, , .		0