

Massimo Mattei

List of Publications by Year in descending order

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3777
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#	ARTICLE	IF	CITATIONS
1	Midcrustal shear zones in postorogenic extension: Example from the northern Tyrrhenian Sea. <i>Journal of Geophysical Research</i> , 1998, 103, 12123-12160.	3.3	456
2	Trace elements and Sr ⁸⁷ /Nd ¹⁴³ /Pb isotopes of K-rich, shoshonitic, and calc-alkaline magmatism of the Western Mediterranean Region: Genesis of ultrapotassic to calc-alkaline magmatic associations in a post-collisional geodynamic setting. <i>Lithos</i> , 2009, 107, 68-92.	1.4	267
3	Opening of the Neo-Tethys Ocean and the Pangea B to Pangea A transformation during the Permian. <i>Georabia</i> , 2009, 14, 17-48.	1.6	249
4	The dynamics of back-arc extension: an experimental approach to the opening of the Tyrrhenian Sea. <i>Geophysical Journal International</i> , 1996, 126, 781-795.	2.4	222
5	Age of the Corsica-Sardinia rotation and Liguro-Provençal Basin spreading: new paleomagnetic and Ar/Ar evidence. <i>Tectonophysics</i> , 2002, 347, 231-251.	2.2	222
6	Inversion tectonics in central Alborz, Iran. <i>Journal of Structural Geology</i> , 2006, 28, 2023-2037.	2.3	185
7	Potassic and ultrapotassic magmatism in the circum-Tyrrhenian region: Significance of carbonated pelitic vs. pelitic sediment recycling at destructive plate margins. <i>Lithos</i> , 2009, 113, 213-227.	1.4	180
8	Styles of back-arc extension in the Central Mediterranean. <i>Terra Nova</i> , 1997, 9, 126-130.	2.1	174
9	The Eo-Cimmerian (Late? Triassic) orogeny in North Iran. <i>Geological Society Special Publication</i> , 2009, 312, 31-55.	1.3	134
10	Alpine structural and metamorphic signature of the Sila Piccola Massif nappe stack (Calabria, Italy): Insights for the tectonic evolution of the Calabrian Arc. <i>Tectonics</i> , 2001, 20, 112-133.	2.8	119
11	Isotope geochemistry (Sr ⁸⁷ /Nd ¹⁴³ /Pb) and petrogenesis of leucite-bearing volcanic rocks from the Colli Albani volcano, Roman Magmatic Province, Central Italy: inferences on volcano evolution and magma genesis. <i>Bulletin of Volcanology</i> , 2009, 71, 977-1005.	3.0	118
12	Magnetic fabric of clay sediments from the external northern Apennines (Italy). <i>Physics of the Earth and Planetary Interiors</i> , 1998, 105, 73-93.	1.9	107
13	The origin of tectonic lineation in extensional basins: Combined neutron texture and magnetic analyses on undeformed clays. <i>Earth and Planetary Science Letters</i> , 2005, 235, 62-78.	4.4	99
14	The evolution of the Calabrian Arc: Evidence from paleomagnetic and GPS observations. <i>Earth and Planetary Science Letters</i> , 2007, 263, 259-274.	4.4	96
15	The drift history of Iran from the Ordovician to the Triassic. <i>Geological Society Special Publication</i> , 2009, 312, 7-29.	1.3	94
16	Tectonics of the Umbria-Marche-Romagna Arc (central northern Apennines, Italy): New paleomagnetic constraints. <i>Journal of Geophysical Research</i> , 1997, 102, 3153-3166.	3.3	86
17	Extensional tectonics in the Amantea basin (Calabria, Italy): a comparison between structural and magnetic anisotropy data. <i>Tectonophysics</i> , 1999, 307, 33-49.	2.2	78
18	High-Precision ⁸⁷ Sr/ ⁸⁶ Sr Analyses in Wines and Their Use as a Geological Fingerprint for Tracing Geographic Provenance. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6822-6831.	5.2	77

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19	Extensional tectonics on Sardinia (Italy): insights into the arcâ€œback-arc transitional regime. <i>Tectonophysics</i> , 2002, 356, 213-232.	2.2	76
20	New insights into the onset and evolution of the central Apennine extensional intermontane basins based on the tectonically active Lâ€™Aquila Basin (central Italy). <i>Bulletin of the Geological Society of America</i> , 2017, 129, 1314-1336.	3.3	69
21	The Cimmerian evolution of the Nakhlaâ€œAnarak area, Central Iran, and its bearing for the reconstruction of the history of the Eurasian margin. <i>Geological Society Special Publication</i> , 2009, 312, 261-286.	1.3	66
22	Magnetic fabric and structural setting of Plio-Pleistocene clayey units in an extensional regime: the Tyrrhenian margin of central Italy. <i>Journal of Structural Geology</i> , 1994, 16, 1243-1257.	2.3	65
23	Timing and magnitude of rotations in the frontal thrust systems of southwestern Sicily. <i>Tectonics</i> , 1999, 18, 1178-1197.	2.8	65
24	Tectonic evolution of arcuate mountain belts on top of a retreating subduction slab: The example of the Calabrian Arc. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	65
25	An AMS, structural and paleomagnetic study of quaternary deformation in eastern Sicily. <i>Journal of Structural Geology</i> , 2004, 26, 29-46.	2.3	64
26	Post-Cimmerian (Jurassicâ€œCenozoic) paleogeography and vertical axis tectonic rotations of Central Iran and the Alborz Mountains. <i>Journal of Asian Earth Sciences</i> , 2015, 102, 92-101.	2.3	64
27	High-temperature emplacement of the Cerro GalÃ±n and Toconquis Group ignimbrites (Puna plateau, Tj ETQq1 1 0,784314 rgBT /Ove	3.0	53
28	Conservation of 87 Sr/ 86 Sr isotopic ratios during the winemaking processes of â€™Redâ€™ wines to validate their use as geographic tracer. <i>Food Chemistry</i> , 2016, 190, 777-785.	8.2	53
29	The architecture of brittle postorogenic extension: Results from an integrated structural and paleomagnetic study in north Calabria (southern Italy). <i>Bulletin of the Geological Society of America</i> , 2007, 119, 221-239.	3.3	51
30	The magnetic fabric in â€™undeformed claysâ€™ AMS and neutron texture analyses from the Rif Chain (Morocco). <i>Tectonophysics</i> , 2009, 466, 79-88.	2.2	50
31	An integrated stratigraphical approach to the Middle Pleistocene succession of the Sessano basin (Molise, Italy). <i>Quaternary International</i> , 2010, 225, 114-127.	1.5	49
32	Geodynamic implications of Pleistocene ultrarapid vertical-axis rotations in the Southern Apennines, Italy. <i>Geology</i> , 2004, 32, 789.	4.4	48
33	Tectonoâ€™sedimentary evolution of the northern Iranian Plateau: insights from middleâ€™late Miocene forelandâ€™basin deposits. <i>Basin Research</i> , 2017, 29, 417-446.	2.7	46
34	Oroclinal bending in the Alborz Mountains (Northern Iran): New constraints on the age of South Caspian subduction and extrusion tectonics. <i>Gondwana Research</i> , 2017, 42, 13-28.	6.0	45
35	Evolution of a transferâ€™related basin: the Ardea basin (Latium, central Italy). <i>Basin Research</i> , 1994, 6, 35-46.	2.7	44
36	The Holocene Secche di Lazzaro phreatomagmatic succession (Stromboli, Italy): evidence of pyroclastic density current origin deduced by facies analysis and AMS flow directions. <i>Bulletin of Volcanology</i> , 2008, 70, 1221-1236.	3.0	44

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37	Paleomagnetic evidence for low-temperature emplacement of the phreatomagmatic Peperino Albano ignimbrite (Colli Albani volcano, Central Italy). <i>Bulletin of Volcanology</i> , 2008, 70, 877-893.	3.0	41
38	Magma flow in sub-aqueous rhyolitic dikes inferred from magnetic fabric analysis (Ponza Island, W.) <i>Tectonophysics</i> , 2008, 460, 1-10.	2.9	40
39	Calabrian Arc oroclinal bending: The role of subduction. <i>Tectonics</i> , 2008, 27, .	2.8	38
40	Rotational differences between the northern and southern Tyrrhenian domains: palaeomagnetic constraints from the Amantea basin (Calabria, Italy). <i>Journal of the Geological Society</i> , 2000, 157, 327-334.	2.1	33
41	Right-lateral transpressional tectonics along the boundary between Lut and Tabas blocks (Central Iran). <i>Tectonophysics</i> , 2008, 460, 1-10.	2.4	33
42	Forced transport of thermal energy in magmatic and phreatomagmatic large volume ignimbrites: Paleomagnetic evidence from the Colli Albani volcano, Italy. <i>Earth and Planetary Science Letters</i> , 2017, 478, 179-191.	4.4	33
43	Neogene tectonic evolution of the Gibraltar Arc: New paleomagnetic constrains from the Betic chain. <i>Earth and Planetary Science Letters</i> , 2006, 250, 522-540.	4.4	32
44	Tectonic magnetic lineation and oroclinal bending of the Alborz range: Implications on the Iran-Southern Caspian geodynamics. <i>Tectonics</i> , 2015, 34, 116-132.	2.8	31
45	Geometric and kinematic features of the dike complex at Mt. Somma, Vesuvio (Italy). <i>Earth and Planetary Science Letters</i> , 2006, 245, 389-407.	4.4	29
46	Fissure eruptions at Mount Vesuvius (Italy): Insights on the shallow propagation of dikes at volcanoes. <i>Geology</i> , 2006, 34, 673.	4.4	27
47	GIS Methodology to Assess Landslide Susceptibility: Application to a River Catchment of Central Italy. <i>Journal of Maps</i> , 2009, 5, 87-93.	2.0	27
48	Cinematique des deformations au sein d'un systeme chevauchant aveugle; l'exemple de la "Montagna dei Fiori" (front des Apennins centraux, Italie). <i>Bulletin - Societe Geologique De France</i> , 1995, 166, 451-461.	2.2	26
49	New paleomagnetic data from Oligocene–upper Miocene sediments in the Rif chain (northern Morocco). <i>Tectonophysics</i> , 2008, 460, 1-10.	3.3	26
50	Quantitative morphotectonics of the Pliocene to Quaternary Auletta basin, southern Italy. <i>Geomorphology</i> , 2011, 134, 326-343.	2.6	26
51	A record of the Jurassic massive plate shift from the Garedu Formation of central Iran. <i>Geology</i> , 2014, 42, 555-558.	4.4	26
52	Tectonics, sea-level changes and palaeoenvironments in the early Pleistocene of Rome (Italy). <i>Quaternary Research</i> , 2009, 72, 143-155.	1.7	24
53	Geomorphology and tectonics of uplifted coasts: New chronostratigraphical constraints for the Quaternary evolution of Tyrrhenian North Calabria (southern Italy). <i>Geomorphology</i> , 2009, 105, 334-354.	2.6	24
54	Incorporating surface indicators of reservoir permeability into reservoir volume calculations: Application to the Colli Albani caldera and the Central Italy Geothermal Province. <i>Earth-Science Reviews</i> , 2014, 128, 75-92.	9.1	24

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55	Paleomagnetic evidence for no tectonic rotation of the central Italy Tyrrhenian Margin since Upper Pliocene. <i>Geophysical Research Letters</i> , 1994, 21, 481-484.	4.0	23
56	Late Cretaceous transgression on a Cimmerian high (Neka Valley, Eastern Alborz, Iran): A geodynamic event recorded by glauconitic sands. <i>Sedimentary Geology</i> , 2007, 199, 189-204.	2.1	23
57	Magnetic and structural constraints for the noncylindrical evolution of a continental forebulge (Hyblea, Italy). <i>Tectonics</i> , 2006, 25, n/a-n/a.	2.8	22
58	Meandering flow of a pyroclastic density current documented by the anisotropy of magnetic susceptibility (AMS) in the quartz latite ignimbrite of the Pleistocene Monte Cimino volcanic centre (central Italy). <i>Tectonophysics</i> , 2009, 466, 64-78.	2.2	22
59	Neogene–Quaternary evolution of the central Apennine orogenic system (Italy): a structural and palaeomagnetic approach in the Molise region. <i>Tectonophysics</i> , 1998, 299, 143-157.	2.2	21
60	The relationship between evolution of fluid chemistry and the style of brittle deformation: examples from the Northern Apennines (Italy). <i>Tectonophysics</i> , 2001, 330, 103-117.	2.2	21
61	⁸⁷ Sr/ ⁸⁶ Sr isotopes in grapes of different cultivars: A geochemical tool for geographic traceability of agriculture products. <i>Food Chemistry</i> , 2018, 258, 374-380.	8.2	20
62	Emplacement modes of the Ladinian plutonic rocks of the Dolomites: Insights from anisotropy of magnetic susceptibility. <i>Journal of Structural Geology</i> , 2018, 113, 42-61.	2.3	20
63	The role of active strike-slip faults and opposite vertical axis rotations in accommodating Eurasia-Arabia shortening in central Iran. <i>Tectonophysics</i> , 2020, 774, 228243.	2.2	20
64	Paleomagnetic evidence for a post-Eocene 90° CCW rotation of internal Apennine units: A linkage with Corsica–Sardinia rotation?. <i>Tectonics</i> , 2014, 33, 374-392.	2.8	18
65	The Triassic stratigraphic succession of Nakhlak (Central Iran), a record from an active margin. <i>Geological Society Special Publication</i> , 2009, 312, 287-321.	1.3	17
66	Pollen and microfossil analyses of Pliocene lacustrine sediments (Salto River Valley, Central Italy). <i>Quaternary International</i> , 2010, 225, 44-57.	1.5	17
67	A Comparative ⁸⁷ Sr/ ⁸⁶ Sr Study in Red and White Wines to Validate its Use as Geochemical Tracer for the Geographical Origin of Wine. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 169-172.	0.6	17
68	Geochronology, Geochemistry and Geodynamics of the Cabo de Gata volcanic zone, Southeastern Spain. <i>Italian Journal of Geosciences</i> , 2014, 133, 341-361.	0.8	16
69	Hyaloclastite fragmentation below the glass transition: An example from El Barronal submarine volcanic complex (Spain). <i>Geology</i> , 2014, 42, 87-90.	4.4	16
70	Clockwise paleomagnetic rotations in northeastern Iran: Major implications on recent geodynamic evolution of outer sectors of the Arabia-Eurasia collision zone. <i>Gondwana Research</i> , 2019, 71, 194-209.	6.0	16
71	Distinct magnetic fabric in weakly deformed sediments from extensional basins and fold-and-thrust structures in the Northern Apennine orogenic belt (Italy). <i>Tectonics</i> , 2016, 35, 238-256.	2.8	15
72	Formation of arc-shaped orogenic belts in the Western and Central Mediterranean: a palaeomagnetic review. <i>Geological Society Special Publication</i> , 2016, 425, 37-63.	1.3	14

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73	Petrogenesis of Mediterranean lamproites and associated rocks: The role of overprinted metasomatic events in the post-collisional lithospheric upper mantle. Geological Society Special Publication, 2022, 513, 271-296.	1.3	13
74	Late folding-related magnetic foliation in the active Ferdows (northeastern Iran) thrustâ€‘fold system. Journal of Asian Earth Sciences, 2015, 108, 48-57.	2.3	11
75	Flow behaviour in the intra-caldera setting: an AMS study of the large (>1290 km ³) Permian Ora ignimbrite. Geological Society Special Publication, 2015, 396, 177-204.	1.3	11
76	The emplacement of the Late Miocene Monte Capanne intrusion (Elba Island, Central Italy): constraints from magnetic fabric analyses. International Journal of Earth Sciences, 2012, 101, 787-802.	1.8	10
77	An integrated methodology of viticultural zoning to evaluate terrains suitable for viticulture: the test area of Cesanese DOC (Latium, central Italy). Journal of Wine Research, 2015, 26, 1-17.	1.5	10
78	Tectonic and environmental evolution of Quaternary intramontane basins in Southern Apennines (Italy): insights from palaeomagnetic and rock magnetic investigations. Geophysical Journal International, 2010, 182, 682-698.	2.4	9
79	AMS fabric and tectonic evolution of Quaternary intramontane extensional basins in the Picentini Mountains (southern Apennines, Italy). International Journal of Earth Sciences, 2012, 101, 863-877.	1.8	9
80	Geologic map, volcanic stratigraphy and structure of the Cabo de Gata volcanic zone, Betic-Rif orogen, SE Spain. Italian Journal of Geosciences, 2014, 133, 325-340.	0.8	9
81	A tectonic origin of magnetic fabric in the Shemshak Group from Alborz Mts. (northern Iran). Journal of Asian Earth Sciences, 2013, 73, 419-428.	2.3	8
82	Lack of Late Miocene to Present rotation in the Northern Tyrrhenian margin (Italy): a constraint on geodynamic evolution. Geological Society Special Publication, 1996, 105, 141-146.	1.3	7
83	A multidisciplinary approach to the study of the Montereale Basin (Central Apennines, Italy). Rendiconti Lincei, 2014, 25, 177-188.	2.2	7
84	Conservation of 87Sr/86Sr During Wine-Making of White Wines: A Geochemical Fingerprint of Geographical Provenance and Quality Production. Frontiers in Environmental Science, 2020, 8, .	3.3	7
85	Inconsistent magnetic polarities in magnetiteâ€‘and greigiteâ€‘bearing sediments: Understanding complex magnetizations in the late Messinian in the Adana Basin (southern Turkey). Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	5
86	Fluvial inverse modeling for inferring the timing of Quaternary uplift in the Simbruini range (Central Italy). Tectonics, 2019, 38, 1-15.	2.3	5
87	Middle-late Miocene normal faulting in the intermontane Taram basin during the collisional deformation of the Arabia-Eurasia collision zone, NW Iran: A regional process or a local feature?. Journal of Asian Earth Sciences, 2021, 217, 104846.	2.3	5
88	Cenozoic Dextral Shearing Along the Arusan Sector of the Great Kavirâ€‘Doruneh Fault System (Central Iran). Tectonics, 2021, 40, e2021TC006766.	2.8	5
89	Magma flow within dykes in submarine hyaloclastite environments: an AMS study of the Miocene Cabo de Gata volcanic units. Geological Society Special Publication, 2015, 396, 133-157.	1.3	4
90	A 900-m-deep borehole from Boiano intermontane basin (southern Apennines, Italy): Age constraints and palaeoenvironmental features of the Quaternary infilling. Geological Journal, 2021, 56, 2148-2166.	1.3	1