Massimo Mattei

List of Publications by Year in descending order

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90	4,995	87888 38	91884 69
papers	citations	h-index	g-index

91	91	91	3777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	A 900â€‰mâ€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
3	Fluvial inverse modeling for inferring the timing of Quaternary uplift in the Simbruini range (Central) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	5
4	Middle-late Miocene normal faulting in the intermontane Tarom 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
5	Cenozoic Dextral Shearing Along the Arusan Sector of the Great Kavirâ€“Doruneh Fault System (Central Iran). Tectonics, 2021, 40, e2021TC006766.	2.8	5
6	The role of active strike-slip faults and opposite vertical axis rotations in accommodating eurasia-arabia shortening in central iran. Tectonophysics, 2020, 774, 228243.	2.2	20
7	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
8	Clockwise paleomagnetic rotations in northeastern Iran: Major implications on recent geodynamic evolution of outer sectors of the Arabia-Eurasia collision zone. Gondwana Research, 2019, 71, 194-209.	6.0	16
9	87 Sr/ 86 Sr isotopes in grapes of different cultivars: A geochemical tool for geographic traceability of agriculture products. Food Chemistry, 2018, 258, 374-380.	8.2	20
10	Emplacement modes of the Ladinian plutonic rocks of the Dolomites: Insights from anisotropy of magnetic susceptibility. Journal of Structural Geology, 2018, 113, 42-61.	2.3	20
11	Tectonoâ€sedimentary evolution of the northern Iranian Plateau: insights from middleâ€“late Miocene forelandâ€basin deposits. Basin Research, 2017, 29, 417-446.	2.7	46
12	Forced transport of thermal energy in magmatic and phreatomagmatic large volume ignimbrites: Paleomagnetic evidence from the Colli Albani volcano, Italy. Earth and Planetary Science Letters, 2017, 478, 179-191.	4.4	33
13	Oroclinal bending in the Alborz Mountains (Northern Iran): New constraints on the age of South Caspian subduction and extrusion tectonics. Gondwana Research, 2017, 42, 13-28.	6.0	45
14	New insights into the onset and evolution of the central Apennine extensional intermontane basins based on the tectonically active Lâ€™Aquila Basin (central Italy). Bulletin of the Geological Society of America, 2017, 129, 1314-1336.	3.3	69
15	Distinct magnetic fabric in weakly deformed sediments from extensional basins and fold-and-thrust structures in the Northern Apennine orogenic belt (Italy). Tectonics, 2016, 35, 238-256.	2.8	15
16	Formation of arc-shaped orogenic belts in the Western and Central Mediterranean: a palaeomagnetic review. Geological Society Special Publication, 2016, 425, 37-63.	1.3	14
17	Conservation of 87 Sr/ 86 Sr isotopic ratios during the winemaking processes of â€˜Redâ€™ wines to validate their use as geographic tracer. Food Chemistry, 2016, 190, 777-785.	8.2	53
18	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

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19	A Comparative 87Sr/86Sr Study in Red and White Wines to Validate its Use as Geochemical Tracer for the Geographical Origin of Wine. Procedia Earth and Planetary Science, 2015, 13, 169-172.	0.6	17
20	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
21	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
22	Tectonic magnetic lineation and oroclinal bending of the Alborz range: Implications on the Iran-Southern Caspian geodynamics. Tectonics, 2015, 34, 116-132.	2.8	31
23	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
24	Post-Cimmerian (Jurassicâ€“Cenozoic) paleogeography and vertical axis tectonic rotations of Central Iran and the Alborz Mountains. Journal of Asian Earth Sciences, 2015, 102, 92-101.	2.3	64
25	Geochronology, Geochemistry and Geodynamics of the Cabo de Gata volcanic zone, Southeastern Spain. Italian Journal of Geosciences, 2014, 133, 341-361.	0.8	16
26	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
27	A multidisciplinary approach to the study of the Montereale Basin (Central Apennines, Italy). Rendiconti Lincei, 2014, 25, 177-188.	2.2	7
28	A record of the Jurassic massive plate shift from the Garedu Formation of central Iran. Geology, 2014, 42, 555-558.	4.4	26
29	Incorporating surface indicators of reservoir permeability into reservoir volume calculations: Application to the Colli Albani caldera and the Central Italy Geothermal Province. Earth-Science Reviews, 2014, 128, 75-92.	9.1	24
30	Paleomagnetic evidence for a postâ€Eocene 90Â° CCW rotation of internal Apennine units: A linkage with Corsicaâ€Sardinia rotation?. Tectonics, 2014, 33, 374-392.	2.8	18
31	Hyaloclastite fragmentation below the glass transition: An example from El Barronal submarine volcanic complex (Spain). Geology, 2014, 42, 87-90.	4.4	16
32	High-Precision ⁸⁷Sr/⁸⁶Sr Analyses in Wines and Their Use as a Geological Fingerprint for Tracing Geographic Provenance. Journal of Agricultural and Food Chemistry, 2013, 61, 6822-6831.	5.2	77
33	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
34	Right-lateral transpressional tectonics along the boundary between Lut and Tabas blocks (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	33
35	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
36	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

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37	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
38	Quantitative morphotectonics of the Pliocene to Quaternary Auletta basin, southern Italy. Geomorphology, 2011, 134, 326-343.	2.6	26
39	High-temperature emplacement of the Cerro GalÃ¡n and Toconquis Group ignimbrites (Puna plateau,) Tj ETQq1 1 0.784314 rgBT /Ove	3.0	53
40	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
41	An integrated stratigraphical approach to the Middle Pleistocene succession of the Sessano basin (Molise, Italy). Quaternary International, 2010, 225, 114-127.	1.5	49
42	Pollen and macrofossil analyses of Pliocene lacustrine sediments (SaltoÂriverÂvalley, Central Italy). Quaternary International, 2010, 225, 44-57.	1.5	17
43	The Eo-Cimmerian (Late? Triassic) orogeny in North Iran. Geological Society Special Publication, 2009, 312, 31-55.	1.3	134
44	The drift history of Iran from the Ordovician to the Triassic. Geological Society Special Publication, 2009, 312, 7-29.	1.3	94
45	The Cimmerian evolution of the Nakhlakâ€“Anarak area, Central Iran, and its bearing for the reconstruction of the history of the Eurasian margin. Geological Society Special Publication, 2009, 312, 261-286.	1.3	66
46	The Triassic stratigraphic succession of Nakhlak (Central Iran), a record from an active margin. Geological Society Special Publication, 2009, 312, 287-321.	1.3	17
47	Trace elements and Srâ€“Ndâ€“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. Lithos, 2009, 107, 68-92.	1.4	267
48	Potassic and ultrapotassic magmatism in the circum-Tyrrhenian region: Significance of carbonated pelitic vs. pelitic sediment recycling at destructive plate margins. Lithos, 2009, 113, 213-227.	1.4	180
49	Tectonics, sea-level changes and palaeoenvironments in the early Pleistocene of Rome (Italy). Quaternary Research, 2009, 72, 143-155.	1.7	24
50	Isotope geochemistry (Srâ€“Ndâ€“Pb) and petrogenesis of leucite-bearing volcanic rocks from â€œColli Albaniâ€•volcano, Roman Magmatic Province, Central Italy: inferences on volcano evolution and magma genesis. Bulletin of Volcanology, 2009, 71, 977-1005.	3.0	118
51	Geomorphology and tectonics of uplifted coasts: New chronostratigraphical constraints for the Quaternary evolution of Tyrrhenian North Calabria (southern Italy). Geomorphology, 2009, 105, 334-354.	2.6	24
52	The magnetic fabric in â€œundeformed claysâ€• AMS and neutron texture analyses from the Rif Chain (Morocco). Tectonophysics, 2009, 466, 79-88.	2.2	50
53	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). Tectonophysics, 2009, 466, 64-78.	2.2	22
54	GIS Methodology to Assess Landslide Susceptibility: Application to a River Catchment of Central Italy. Journal of Maps, 2009, 5, 87-93.	2.0	27

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55	Opening of the Neo-Tethys Ocean and the Pangea B to Pangea A transformation during the Permian. Geoarabia, 2009, 14, 17-48.	1.6	249
56	Paleomagnetic evidence for low-temperature emplacement of the phreatomagmatic Peperino Albano ignimbrite (Colli Albani volcano, Central Italy). Bulletin of Volcanology, 2008, 70, 877-893.	3.0	41
57	The Holocene Secche di Lazzaro phreatomagmatic succession (Stromboli, Italy): evidence of pyroclastic density current origin deduced by facies analysis and AMS flow directions. Bulletin of Volcanology, 2008, 70, 1221-1236.	3.0	44
58	New paleomagnetic data from Oligoceneâ€“upper Miocene sediments in the Rif chain (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Research, 2008, 113, .	3.3	26
59	Calabrian Arc oroclinal bending: The role of subduction. Tectonics, 2008, 27, .	2.8	38
60	The architecture of brittle postorogenic extension: Results from an integrated structural and paleomagnetic study in north Calabria (southern Italy). Bulletin of the Geological Society of America, 2007, 119, 221-239.	3.3	51
61	The evolution of the Calabrian Arc: Evidence from paleomagnetic and GPS observations. Earth and Planetary Science Letters, 2007, 263, 259-274.	4.4	96
62	Tectonic evolution of arcuate mountain belts on top of a retreating subduction slab: The example of the Calabrian Arc. Journal of Geophysical Research, 2007, 112, .	3.3	65
63	Late Cretaceous transgression on a Cimmerian high (Neka Valley, Eastern Alborz, Iran): A geodynamic event recorded by glauconitic sands. Sedimentary Geology, 2007, 199, 189-204.	2.1	23
64	Fissure eruptions at Mount Vesuvius (Italy): Insights on the shallow propagation of dikes at volcanoes. Geology, 2006, 34, 673.	4.4	27
65	Magnetic and structural constraints for the noncylindrical evolution of a continental forebulge (Hyblea, Italy). Tectonics, 2006, 25, n/a-n/a.	2.8	22
66	Geometric and kinematic features of the dike complex at Mt. Somma, Vesuvio (Italy). Earth and Planetary Science Letters, 2006, 245, 389-407.	4.4	29
67	Neogene tectonic evolution of the Gibraltar Arc: New paleomagnetic constrains from the Betic chain. Earth and Planetary Science Letters, 2006, 250, 522-540.	4.4	32
68	Inversion tectonics in central Alborz, Iran. Journal of Structural Geology, 2006, 28, 2023-2037.	2.3	185
69	The origin of tectonic lineation in extensional basins: Combined neutron texture and magnetic analyses on â€œundeformedâ€•clays. Earth and Planetary Science Letters, 2005, 235, 62-78.	4.4	99
70	An AMS, structural and paleomagnetic study of quaternary deformation in eastern Sicily. Journal of Structural Geology, 2004, 26, 29-46.	2.3	64
71	Geodynamic implications of Pleistocene ultrarapid vertical-axis rotations in the Southern Apennines, Italy. Geology, 2004, 32, 789.	4.4	48
72	Age of the Corsicaâ€“Sardinia rotation and Liguroâ€“ProvenÃ§al Basin spreading: new paleomagnetic and Ar/Ar evidence. Tectonophysics, 2002, 347, 231-251.	2.2	222

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73	Extensional tectonics on Sardinia (Italy): insights into the arcâ€“back-arc transitional regime. Tectonophysics, 2002, 356, 213-232.	2.2	76
74	Magma flow in sub-aqueous rhyolitic dikes inferred from magnetic fabric analysis (Ponza Island, W.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.9	40
75	Alpine structural and metamorphic signature of the Sila Piccola Massif nappe stack (Calabria, Italy): Insights for the tectonic evolution of the Calabrian Arc. Tectonics, 2001, 20, 112-133.	2.8	119
76	The relationship between evolution of fluid chemistry and the style of brittle deformation: examples from the Northern Apennines (Italy). Tectonophysics, 2001, 330, 103-117.	2.2	21
77	Rotational differences between the northern and southern Tyrrhenian domains: palaeomagnetic constraints from the Amantea basin (Calabria, Italy). Journal of the Geological Society, 2000, 157, 327-334.	2.1	33
78	Extensional tectonics in the Amantea basin (Calabria, Italy): a comparison between structural and magnetic anisotropy data. Tectonophysics, 1999, 307, 33-49.	2.2	78
79	Timing and magnitude of rotations in the frontal thrust systems of southwestern Sicily. Tectonics, 1999, 18, 1178-1197.	2.8	65
80	Magnetic fabric of clay sediments from the external northern Apennines (Italy). Physics of the Earth and Planetary Interiors, 1998, 105, 73-93.	1.9	107
81	Neogeneâ€“Quaternary evolution of the central Apennine orogenic system (Italy): a structural and palaeomagnetic approach in the Molise region. Tectonophysics, 1998, 299, 143-157.	2.2	21
82	Midcrustal shear zones in postorogenic extension: Example from the northern Tyrrhenian Sea. Journal of Geophysical Research, 1998, 103, 12123-12160.	3.3	456
83	Tectonics of the Umbria-Marche-Romagna Arc (central northern Apennines, Italy): New paleomagnetic constraints. Journal of Geophysical Research, 1997, 102, 3153-3166.	3.3	86
84	Styles of backâ€arc extension in the Central Mediterranean. Terra Nova, 1997, 9, 126-130.	2.1	174
85	The dynamics of back-arc extension: an experimental approach to the opening of the Tyrrhenian Sea. Geophysical Journal International, 1996, 126, 781-795.	2.4	222
86	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
87	Cinematique des deformations au sein d'un systeme chevauchant aveugle; l'exemple de la "Montagna dei Fiori" (front des Apennins centraux, Italie). Bulletin - Societie Geologique De France, 1995, 166, 451-461.	2.2	26
88	Magnetic fabric and structural setting of Plio-Pleistocene clayey units in an extensional regime: the Tyrrhenian margin of central Italy. Journal of Structural Geology, 1994, 16, 1243-1257.	2.3	65
89	Evolution of a transferâ€related basin: the Ardea basin (Latium, central Italy). Basin Research, 1994, 6, 35-46.	2.7	44
90	Paleomagnetic evidence for no tectonic rotation of the central Italy Tyrrhenian Margin since Upper Pliocene. Geophysical Research Letters, 1994, 21, 481-484.	4.0	23