

# Giovanni Muttoni

## List of Publications by Citations

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111  
papers

3,946  
citations

39  
h-index

58  
g-index

121  
ext. papers

4,336  
ext. citations

4  
avg. IF

5.44  
L-index

#	Paper	IF	Citations
111	Opening of the Neo-Tethys Ocean and the Pangea B to Pangea A transformation during the Permian. <i>Georabia</i> , <b>2009</b> , 14, 17-48		204
110	Onset of major Pleistocene glaciations in the Alps. <i>Geology</i> , <b>2003</b> , 31, 989	5	179
109	Early Permian Pangea B to Late Permian Pangea A. <i>Earth and Planetary Science Letters</i> , <b>2003</b> , 215, 379-394	5.3	163
108	Tethyan magnetostratigraphy from Pizzo Mondello (Sicily) and correlation to the Late Triassic Newark astrochronological polarity time scale. <i>Bulletin of the Geological Society of America</i> , <b>2004</b> , 116, 1043	3.9	136
107	Equatorial convergence of India and early Cenozoic climate trends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 16065-70	11.5	101
106	Mesozoic Alpine facies deposition as a result of past latitudinal plate motion. <i>Nature</i> , <b>2005</b> , 434, 59-63	50.4	100
105	Motion of Africa and Adria since the Permian: paleomagnetic and paleoclimatic constraints from northern Libya. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 192, 159-174	5.3	95
104	Astrochronostratigraphic polarity time scale (APTS) for the Late Triassic and Early Jurassic from continental sediments and correlation with standard marine stages. <i>Earth-Science Reviews</i> , <b>2017</b> , 166, 153-180	10.2	94
103	Tethyan oceanic currents and climate gradients 300 m.y. ago. <i>Geology</i> , <b>2007</b> , 35, 1071	5	85
102	Evolution of Pangea: paleomagnetic constraints from the Southern Alps, Italy. <i>Earth and Planetary Science Letters</i> , <b>1996</b> , 140, 97-112	5.3	85
101	Eocene biostratigraphy and magnetic stratigraphy from Possagno, Italy: The calcareous nannofossil response to climate variability. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 241, 815-830	5.3	77
100	The drift history of Iran from the Ordovician to the Triassic. <i>Geological Society Special Publication</i> , <b>2009</b> , 312, 7-29	1.7	73
99	Human migration into Europe during the late Early Pleistocene climate transition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2010</b> , 296, 79-93	2.9	69
98	Rhaetian magneto-biostratigraphy from the Southern Alps (Italy): Constraints on Triassic chronology. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2010</b> , 285, 1-16	2.9	66
97	Pleistocene magnetostratigraphy of early hominin sites at Ceprano and Fontana Ranuccio, Italy. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 286, 255-268	5.3	66
96	Early Cretaceous magnetic stratigraphy in the APTICORE drill core and adjacent outcrop at Cismon (Southern Alps, Italy), and correlation to the proposed Barremian-Aptian boundary stratotype. <i>Bulletin of the Geological Society of America</i> , <b>2000</b> , 112, 1430-1443	3.9	66
95	Modulation of Late Cretaceous and Cenozoic climate by variable drawdown of atmospheric CO <sub>2</sub> : from weathering of basaltic provinces on continents drifting through the equatorial humid belt. <i>Climate of the Past</i> , <b>2013</b> , 9, 525-546	3.9	65

94	Integrated biomagnetostratigraphy of the Alano section (NE Italy): A proposal for defining the middle-late Eocene boundary. <i>Bulletin of the Geological Society of America</i> , <b>2011</b> , 123, 841-872	3.9	64
93	The Global Boundary Stratotype Section and Point (GSSP) of the Carnian Stage (Late Triassic) at Prati di Stuoeres/Stuores Wiesen Section (Southern Alps, NE Italy). <i>Episodes</i> , <b>2012</b> , 35, 414-430	1.6	63
92	A Middle-Late Triassic (Ladinian-Rhaetian) carbon and oxygen isotope record from the Tethyan Ocean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2014</b> , 399, 246-259	2.9	58
91	Magnetostratigraphic dating of an intensification of glacial activity in the southern Italian Alps during Marine Isotope Stage 22. <i>Quaternary Research</i> , <b>2007</b> , 67, 161-173	1.9	56
90	Permian climatic and paleogeographic changes in Northern Gondwana: the Khuff Formation of Interior Oman. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 191, 269-300	2.9	56
89	First dated human occupation of Italy at ~ 0.85 Ma during the late Early Pleistocene climate transition. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 307, 241-252	5.3	55
88	Widespread formation of cherts during the early Eocene climate optimum. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2007</b> , 253, 348-362	2.9	55
87	Organic carbon burial following the middle Eocene climatic optimum in the central western Tethys. <i>Paleoceanography</i> , <b>2010</b> , 25,		54
86	Neogene block rotation in central Iran: Evidence from paleomagnetic data. <i>Bulletin of the Geological Society of America</i> , <b>2012</b> , 124, 943-956	3.9	52
85	The geomagnetic polarity timescale for the Triassic: linkage to stage boundary definitions. <i>Geological Society Special Publication</i> , <b>2010</b> , 334, 61-102	1.7	51
84	Magnetostratigraphy concepts, definitions, and applications. <i>Newsletters on Stratigraphy</i> , <b>2010</b> , 43, 207-233	2.3	50
83	Post-Cimmerian (Jurassic-Cenozoic) paleogeography and vertical axis tectonic rotations of Central Iran and the Alborz Mountains. <i>Journal of Asian Earth Sciences</i> , <b>2015</b> , 102, 92-101	2.8	48
82	Geothermal energy and the public: A case study on deliberative citizens' engagement in central Italy. <i>Energy Policy</i> , <b>2017</b> , 101, 561-570	7.2	47
81	The Cimmerian evolution of the Nakhla-Anarak area, Central Iran, and its bearing for the reconstruction of the history of the Eurasian margin. <i>Geological Society Special Publication</i> , <b>2009</b> , 312, 261-286	1.7	47
80	Exploring public engagement with geothermal energy in southern Italy: A case study. <i>Energy Policy</i> , <b>2015</b> , 85, 1-11	7.2	46
79	The drift history of Adria and Africa from 280 Ma to Present, Jurassic true polar wander, and zonal climate control on Tethyan sedimentary facies. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2013</b> , 386, 415-435	2.9	45
78	A critique of evidence for human occupation of Europe older than the Jaramillo subchron (~1 Ma): comment on 'The oldest human fossil in Europe from Orce (Spain)' by Toro-Moyano et al. (2013). <i>Journal of Human Evolution</i> , <b>2013</b> , 65, 746-9	3.1	45
77	Paleomagnetic evidence for Neogene tectonic rotations in the northern Apennines, Italy. <i>Earth and Planetary Science Letters</i> , <b>1998</b> , 154, 25-40	5.3	44

76	Magnetostratigraphic confirmation of a much faster tempo for sea-level change for the Middle Triassic Latemar platform carbonates. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 228, 369-377	5.3	44
75	High-resolution magnetostratigraphic and lithostratigraphic correlations in Middle Triassic pelagic carbonates from the Dolomites (northern Italy). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2000</b> , 161, 361-380	2.9	43
74	Magnetostratigraphy, nannofossil stratigraphy and apparent polar wander for Adria-Africa in the Jurassic-Cretaceous boundary interval. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2010</b> , 293, 51-75	2.9	42
73	Guadalupian (Middle Permian) paleobiogeography of the Neotethys Ocean. <i>Gondwana Research</i> , <b>2013</b> , 24, 173-184	5.1	39
72	First $^{40}\text{Ar}/^{39}\text{Ar}$ age of the Ceprano man (central Italy). <i>Quaternary Geochronology</i> , <b>2011</b> , 6, 453-457	2.7	39
71	Subsurface magnetostratigraphy of Pleistocene sediments from the Po Plain (Italy): Constraints on rates of sedimentation and rock uplift. <i>Bulletin of the Geological Society of America</i> , <b>2006</b> , 118, 1299-1312	2.9	39
70	The lacustrine deposits of Fornaci di Ranica (late Early Pleistocene, Italian Pre-Alps): stratigraphy, palaeoenvironment and geological evolution. <i>Quaternary International</i> , <b>2005</b> , 131, 35-58	2	39
69	Middle Triassic magnetostratigraphy and biostratigraphy from the Dolomites and Greece. <i>Earth and Planetary Science Letters</i> , <b>1997</b> , 146, 107-120	5.3	36
68	Paleomagnetic evidence for a Neogene two-phase counterclockwise tectonic rotation in the Northern Apennines (Italy). <i>Tectonophysics</i> , <b>2000</b> , 326, 241-253	3.1	35
67	Magnetostratigraphy and biostratigraphy of the Carnian/Norian boundary interval from the Pizzo Mondello section (Sicani Mountains, Sicily). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2001</b> , 166, 383-399	2.9	34
66	The Pignola-Abriola section (southern Apennines, Italy): a new GSSP candidate for the base of the Rhaetian Stage. <i>Lethaia</i> , <b>2016</b> , 49, 287-306	1.3	32
65	The Shanderman eclogites: a Late Carboniferous high-pressure event in the NW Talesh Mountains (NW Iran). <i>Geological Society Special Publication</i> , <b>2009</b> , 312, 57-78	1.7	32
64	Middle Triassic paleomagnetic data from northern Bulgaria: constraints on Tethyan magnetostratigraphy and paleogeography. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2000</b> , 160, 223-237	2.9	31
63	Magnetobiostratigraphy of the Spathian to Anisian (Lower to Middle Triassic) KŪra section, Albania. <i>Geophysical Journal International</i> , <b>1996</b> , 127, 503-514	2.6	30
62	Astronomical tuning of the Cenomanian Scaglia Bianca Formation at Furlo, Italy. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 292, 231-237	5.3	29
61	Magneto-biostratigraphy of the Cicogna section (Italy): Implications for the late Paleocene-early Eocene time scale. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 285, 39-51	5.3	29
60	Integrated Anisian-Ūadinian boundary chronology. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2004</b> , 208, 85-102	2.9	29
59	Tracking the Late Jurassic apparent (or true) polar shift in U-Pb-dated kimberlites from cratonic North America (Superior Province of Canada). <i>Geochemistry, Geophysics, Geosystems</i> , <b>2015</b> , 16, 983-994	3.6	28

58	Early hominins in Europe: The Galerian migration hypothesis. <i>Quaternary Science Reviews</i> , <b>2018</b> , 180, 1-29	3.9	28
57	Nouvelles recherches dans le bassin Plio-Pleistocène d'Anagni (Latium méridional, Italie). <i>Anthropologie</i> , <b>2009</b> , 113, 66-77	0.5	27
56	Wasp-waisted hysteresis loops from a pyrrhotite and magnetite-bearing remagnetized Triassic limestone. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 3167-3170	4.9	26
55	New magnetobiostratigraphic results from the Ladinian of the Dolomites and implications for the Triassic geomagnetic polarity timescale. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2019</b> , 517, 52-73	2.9	25
54	Early to middle Eocene magneto-biochronology of the southwest Pacific Ocean and climate influence on sedimentation: Insights from the Mead Stream section, New Zealand. <i>Bulletin of the Geological Society of America</i> , <b>2015</b> , 127, 643-660	3.9	24
53	Stratigraphic evidence of a Middle Pleistocene climate-driven flexural uplift in the Alps. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a	4.3	24
52	Pangea B and the Late Paleozoic Ice Age. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2020</b> , 553, 109753	2.9	22
51	Paleocene magneto-biostratigraphy and climate-controlled rock magnetism from the Belluno Basin, Tethys Ocean, Italy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 337-338, 130-142	2.9	21
50	Jurassic Monster Polar Shift Confirmed by Sequential Paleopoles From Adria, Promontory of Africa. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 3288-3306	3.6	20
49	Towards a better definition of the Middle Triassic magnetostratigraphy and biostratigraphy in the Tethyan realm. <i>Earth and Planetary Science Letters</i> , <b>1998</b> , 164, 285-302	5.3	20
48	A record of the Jurassic massive plate shift from the Garedu Formation of central Iran. <i>Geology</i> , <b>2014</b> , 42, 555-558	5	19
47	Magnetostratigraphy of a Lower-Middle Triassic boundary section from Chios (Greece). <i>Physics of the Earth and Planetary Interiors</i> , <b>1995</b> , 92, 245-260	2.3	19
46	Lower and Middle Triassic foraminifera from the Eros Limestone, Hydra Island, Greece. <i>Journal of Micropalaeontology</i> , <b>1994</b> , 13, 25-46	2	19
45	Bottleneck at Jaramillo for human migration to Iberia and the rest of Europe?. <i>Journal of Human Evolution</i> , <b>2015</b> , 80, 187-90	3.1	18
44	A paleomagnetic study of Permian and Triassic rocks from the Toulon-Cuers Basin, SE France: Evidence for intra-Pangea block rotations in the Permian. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a	4.3	17
43	Magnetostratigraphy and biostratigraphy of an Anisian-Ladinian (Middle Triassic) boundary section from Hydra (Greece). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1994</b> , 111, 249-262	2.9	17
42	Paleomagnetism of latest Anisian (Middle Triassic) sections of the Prezzo Limestone and the Buchenstein Formation, Southern Alps, Italy. <i>Earth and Planetary Science Letters</i> , <b>1994</b> , 122, 1-18	5.3	16
41	Determining flow directions in turbidites: An integrated sedimentological and magnetic fabric study of the Miocene Marnoso Arenacea Formation (northern Apennines, Italy). <i>Sedimentary Geology</i> , <b>2016</b> , 335, 197-215	2.8	15

40	Magnetostratigraphic and chronostratigraphic constraints on the Marathousa 1 Lower Palaeolithic site and the Middle Pleistocene deposits of the Megalopolis basin, Greece. <i>Quaternary International</i> , <b>2018</b> , 497, 154-169	2	15
39	Silicate weathering machine at work: Rock magnetic data from the late Paleocene-Early Eocene Cicogna section, Italy. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2010</b> , 11, n/a-n/a	3.6	15
38	The Triassic stratigraphic succession of Nakhlak (Central Iran), a record from an active margin. <i>Geological Society Special Publication</i> , <b>2009</b> , 312, 287-321	1.7	15
37	Paleolatitudes of Late Triassic radiolarian cherts from Argolis, Greece: Insights on the paleogeography of the western Tethys. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2015</b> , 417, 476-490	2.9	13
36	Late Matuyama climate forcing on sedimentation at the margin of the southern Alps (Italy). <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 832-846	3.9	13
35	An expanded Tethyan Kimmeridgian magneto-biostratigraphy from the S'Adde section (Sardinia): Implications for the Jurassic timescale. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 503, 90-101	2.9	12
34	Paleomagnetic data from Late Paleozoic dykes of Sardinia: Evidence for block rotations and implications for the intra-Pangea megashear system. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 1684-1697	3.6	12
33	A History of Ideas in Ichnology. <i>Developments in Sedimentology</i> , <b>2012</b> , 64, 3-43		11
32	Magnetic-Fabric Analysis As A Tool To Constrain Mechanisms of Deep-Water Mudstone Deposition In the Marnoso Arenacea Formation (Miocene, Italy). <i>Journal of Sedimentary Research</i> , <b>2013</b> , 83, 170-182 <sup>2.1</sup>		11
31	Behaviors mapped by new geographies: Ichnonetwork analysis of the Val Dolce Formation (lower Permian; Italy-Austria) <b>2015</b> , 11, 744-776		10
30	An early Brunhes (. <i>Quaternary Science Reviews</i> , <b>2017</b> , 178, 1-13	3.9	10
29	Age of Mammuthus trogontherii from Kostolac, Serbia, and the entry of megaherbivores into Europe during the Late Matuyama climate revolution. <i>Quaternary Research</i> , <b>2015</b> , 84, 439-447	1.9	10
28	Stable isotope and calcareous nannofossil assemblage record of the late Paleocene and early Eocene (Cicogna section). <i>Climate of the Past</i> , <b>2016</b> , 12, 883-909	3.9	10
27	Contribution to the magnetostratigraphy of the Carnian: new magneto-biostratigraphic constraints from Pignola-2 and Dibona marine sections, Italy. <i>Newsletters on Stratigraphy</i> , <b>2017</b> , 50, 187-203	2.9	9
26	Paleomagnetism of Jurassic carbonate rocks from Sardinia: No indication of post-Jurassic internal block rotations. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		9
25	A Novel Plate Tectonic Scenario for the Genesis and Sealing of Some Major Mesozoic Oil Fields. <i>GSA Today</i> , <b>2016</b> , 4-10	2.8	9
24	Is there a normal magnetic-polarity event during the Palaeocene-Eocene thermal maximum (~55 Ma)? Insights from the palaeomagnetic record of the Belluno Basin (Italy). <i>Geophysical Journal International</i> , <b>2012</b> , 191, 517-529	2.6	8
23	Paleomagnetic investigations on the Pleistocene lacustrine sequence of Piñico-Silere (northern Italy). <i>Quaternary International</i> , <b>2009</b> , 204, 44-53	2	8

22	Insights on the opening of the Galerian mammal migration pathway from magnetostratigraphy of the Pleistocene marine-continental transition in the Arda River section (northern Italy). <i>Quaternary Research</i> , <b>2016</b> , 86, 220-231	1.9	7
21	Dating of the Lower Pleistocene Vertebrate Site of Tsiotra Vryssi (Mygdonia Basin, Greece): Biochronology, Magnetostratigraphy, and Cosmogenic Radionuclides. <i>Quaternary</i> , <b>2021</b> , 4, 1	2.2	7
20	New early Permian paleopoles from Sardinia confirm intra-Pangea mobility. <i>Tectonophysics</i> , <b>2018</b> , 749, 21-34	3.1	7
19	Magnetostratigraphy, biostratigraphy, and chemostratigraphy of the Pignola-Abriola section: New constraints for the Norian-Rhaetian boundary. <i>Bulletin of the Geological Society of America</i> , <b>2015</b> , B31106-11	3.9	6
18	Reply to Discussion of Magnetostratigraphic confirmation of a much faster tempo for sea-level change for the Middle Triassic Latemar platform carbonates [by D. V. Kent, G. Muttoni and P. Brack [Earth Planet. Sci. Lett. 228 (2004), 369-377]] by L. Hinnov. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 243, 847-850	5.3	6
17	Paleomagnetic reconnaissance of early Mesozoic carbonates from Williston Lake, northeastern British Columbia, Canada: evidence for late Mesozoic remagnetization. <i>Canadian Journal of Earth Sciences</i> , <b>2001</b> , 38, 1157-1168	1.5	6
16	Proposal for the Global Boundary Stratotype Section and Point (GSSP) for the Priabonian Stage (Eocene) at the Alano section (Italy). <i>Episodes</i> , <b>2021</b> , 44, 151-173	1.6	6
15	Spectral analysis on mountain pine tree-ring chronologies. <i>Dendrochronologia</i> , <b>2007</b> , 24, 145-154	2.8	5
14	Comment on: Magnetostratigraphy and biostratigraphy of the Middle Triassic Margon section (Southern Alps, Italy) [by P.R. Gialanella, F. Heller, P. Mietto, A. Incoronato, V. De Zanche, P. Gianolla, G. Roghi. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 193, 253-255	5.3	5
13	Investigating distribution patterns of airborne magnetic grains trapped in tree barks in Milan, Italy: insights for pollution mitigation strategies. <i>Geophysical Journal International</i> , <b>2017</b> , 210, 989-1000	2.6	4
12	The Lower Toarcian Serrone Marls (Northern Apennines, Italy): A 3.5 Myr record of marl deposition in the aftermath of the T-OAE. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 508, 35-47	2.9	3
11	Magnetostratigraphy and age models of deposition of the Melka Kunture stratigraphic sequence (Upper Awash, Ethiopia) and age assessments of the main archeological levels therein contained. <i>Quaternary Science Reviews</i> , <b>2021</b> , 274, 107259	3.9	2
10	Stable isotope and calcareous nannofossil assemblage records for the Cicogna section: toward a detailed template of late Paleocene and early Eocene global carbon cycle and nannoplankton evolution		2
9	Latitudinal land-sea distributions and global surface albedo since the Cretaceous. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2022</b> , 585, 110718	2.9	2
8	Modulation of Late Cretaceous and Cenozoic climate by variable drawdown of atmospheric CO <sub>2</sub> from weathering of basaltic provinces on continents drifting through the equatorial humid belt		1
7	The Alano Section: The Candidate GSSP for the Priabonian Stage. <i>Springer Geology</i> , <b>2014</b> , 55-59	0.8	1
6	A Late Permian paleopole from the Ikakern Formation (Argana basin, Morocco) and the configuration of Pangea. <i>Gondwana Research</i> , <b>2021</b> , 92, 266-278	5.1	1
5	Magnetostratigraphy <b>2021</b> , 689-697		1

4	Magnetostratigraphy applied to assess tempo of turbidite deposition: A case study of ponded sheet-like turbidites from the lower Miocene of the northern Apennines (Italy). <i>Sedimentary Geology</i> , <b>2020</b> , 403, 105654	2.8	o
3	Adria in Mediterranean paleogeography, the origin of the Ionian Sea, and Permo-Triassic configurations of Pangea. <i>Earth-Science Reviews</i> , <b>2022</b> , 104045	10.2	o
2	Corrigendum to A Late Permian paleopole from the Ikakern Formation (Argana basin, Morocco) and the configuration of Pangea [Gondwana Res., 92, 2021, 266-278]. <i>Gondwana Research</i> , <b>2021</b> , 93, 242	5.1	
1	Magnetostratigraphy <b>2018</b> , 1-4		