

Miguel Garces

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72
papers

3,071
citations

35
h-index

54
g-index

84
ext. papers

3,346
ext. citations

3.4
avg, IF

4.99
L-index

#	Paper	IF	Citations
72	A calibrated mammal scale for the Neogene of Western Europe. State of the art. <i>Earth-Science Reviews</i> , 2001 , 52, 247-260	10.2	228
71	Magnetostratigraphy of Miocene-Pliocene Zagros foreland deposits in the front of the Push-e Kush Arc (Lurestan Province, Iran). <i>Earth and Planetary Science Letters</i> , 2004 , 225, 397-410	5.3	219
70	Late Cretaceous-Paleocene formation of the proto-Zagros foreland basin, Lurestan Province, SW Iran. <i>Bulletin of the Geological Society of America</i> , 2009 , 121, 963-978	3.9	123
69	Updated chronology for the Miocene hominoid radiation in Western Eurasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 5554-9	11.5	119
68	A new chronology for the middle to late Miocene continental record in Spain. <i>Earth and Planetary Science Letters</i> , 1996 , 142, 367-380	5.3	116
67	Chronology of the late Turolian deposits of the Fortuna basin (SE Spain): implications for the Messinian evolution of the eastern Betics. <i>Earth and Planetary Science Letters</i> , 1998 , 163, 69-81	5.3	101
66	The upper Miocene mammal record from the Teruel-Alfambra region (Spain). The MN system and continental stage/age concepts discussed. <i>Journal of Vertebrate Paleontology</i> , 2001 , 21, 367-385	1.7	101
65	Evidence for African-Iberian exchanges during the Messinian in the Spanish mammalian record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006 , 238, 5-14	2.9	99
64	The 'Tortonian salinity crisis' of the eastern Betics (Spain). <i>Earth and Planetary Science Letters</i> , 2000 , 181, 497-511	5.3	94
63	First partial face and upper dentition of the Middle Miocene hominoid <i>Dryopithecus fontani</i> from Abocador de Can Mata (Vall-Peneds Basin, Catalonia, NE Spain): taxonomic and phylogenetic implications. <i>American Journal of Physical Anthropology</i> , 2009 , 139, 126-45	2.5	90
62	The Vallparadís section (Terrassa, Iberian Peninsula) and the latest Villafranchian faunas of Europe. <i>Quaternary Science Reviews</i> , 2010 , 29, 3972-3982	3.9	89
61	Explaining the end of the hominoid experiment in Europe. <i>Journal of Human Evolution</i> , 2003 , 45, 145-53	3.1	86
60	Time lag of syntectonic sedimentation across an alluvial basin: theory and example from the Ebro Basin, Spain. <i>Basin Research</i> , 2004 , 16, 489-506	3.2	84
59	Magnetostratigraphy of the Vallesian (late Miocene) in the Vall-s-Peneds Basin (northeast Spain). <i>Earth and Planetary Science Letters</i> , 1996 , 142, 381-396	5.3	76
58	Paleomagnetic evidence of large footwall rotations associated with low-angle faults at the Mid-Atlantic Ridge. <i>Geology</i> , 2007 , 35, 279	5	75
57	New constraints on the Messinian sealevel drawdown from 3D seismic data of the Ebro Margin, western Mediterranean. <i>Basin Research</i> , 2011 , 23, 123-145	3.2	73
56	Magnetostratigraphy and detrital apatite fission track thermochronology in syntectonic conglomerates: constraints on the exhumation of the South-Central Pyrenees. <i>Basin Research</i> , 2011 , 23, 309-331	3.2	68

55	The Vallesian mammal succession in the Vallès-Penedès basin (northeast Spain): Paleomagnetic calibration and correlation with global events. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997 , 133, 149-180	2.9	60
54	Chronostratigraphic framework and evolution of the Fortuna basin (Eastern Betics) since the Late Miocene. <i>Basin Research</i> , 2001 , 13, 199-216	3.2	55
53	On the late Miocene closure of the Mediterranean-Atlantic gateway through the Guadix basin (southern Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010 , 291, 167-179	2.9	54
52	Old World first appearance datum of Hipparion horses: Late Miocene large-mammal dispersal and global events. <i>Geology</i> , 1997 , 25, 19	5	53
51	Magnetobiochronology of Lower Miocene (Ramblian) continental sediments from the Tudela Formation (western Ebro basin, Spain). <i>Earth and Planetary Science Letters</i> , 2006 , 243, 409-423	5.3	53
50	A mammalian lost world in southwest Europe during the late Pliocene. <i>PLoS ONE</i> , 2009 , 4, e7127	3.7	46
49	20 Myr of eccentricity paced lacustrine cycles in the Cenozoic Ebro Basin. <i>Earth and Planetary Science Letters</i> , 2014 , 408, 183-193	5.3	45
48	Messinian Lago-Mare deposits near the Strait of Gibraltar (Malaga Basin, S Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010 , 285, 264-276	2.9	44
47	Biochronological, taphonomical, and paleoenvironmental background of the fossil great ape <i>Pierolapithecus catalaunicus</i> (Primates, Hominidae). <i>Journal of Human Evolution</i> , 2008 , 55, 589-603	3.1	44
46	A new middle to late Eocene continental chronostratigraphy from NE Spain. <i>Earth and Planetary Science Letters</i> , 2003 , 216, 501-514	5.3	43
45	Can Llobateres: the pattern and timing of the Vallesian hominoid radiation reconsidered. <i>Journal of Human Evolution</i> , 1996 , 31, 143-155	3.1	43
44	Tectonic control for evaporite formation in the Eastern Betics (Tortonian; Spain). <i>Sedimentary Geology</i> , 2006 , 188-189, 155-170	2.8	42
43	Calibration of the late Pliocene-early Pleistocene transition in the continental beds of the Guadix-Baza basin (southeastern Spain). <i>Quaternary International</i> , 1997 , 40, 93-100	2	41
42	The age of the Grande Coupure mammal turnover: New constraints from the Eocene-Oligocene record of the Eastern Ebro Basin (NE Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 301, 97-107	2.9	38
41	The Miocene mammal record of the Vallès-Penedès Basin (Catalonia). <i>Comptes Rendus - Palevol</i> , 2016 , 15, 791-812	1.6	37
40	The stratigraphic record of changing hyperaridity in the Atacama desert over the last 10Ma. <i>Earth and Planetary Science Letters</i> , 2012 , 355-356, 32-38	5.3	37
39	Late Pliocene continental magnetochronology in the Guadix-Baza Basin (Betic Ranges, Spain). <i>Earth and Planetary Science Letters</i> , 1997 , 146, 677-687	5.3	35
38	Further evidence for inclination shallowing in red beds. <i>Geophysical Research Letters</i> , 1996 , 23, 2065-2068	2.9	35

37	Dike intrusion under shear stress: Effects on magnetic and vesicle fabrics in dikes from rift zones of Tenerife (Canary Islands). <i>Journal of Structural Geology</i> , 2007 , 29, 1931-1942	3	34
36	Palaeomagnetic constraints on the geodynamic evolution of the Gibraltar Arc. <i>Terra Nova</i> , 2004 , 16, 281-287	3	33
35	Cova del Rinoceront (Castelldefels, Barcelona): a terrestrial record for the Last Interglacial period (MIS 5) in the Mediterranean coast of the Iberian Peninsula. <i>Quaternary Science Reviews</i> , 2015 , 114, 203-227	3.9	28
34	The Vallesian Mammal Turnover: A Late Miocene record of decoupled land-ocean evolution. <i>Geobios</i> , 2013 , 46, 151-157	1.5	21
33	Continental Climatic and Weathering Response to the Eocene-Oligocene Transition. <i>Journal of Geology</i> , 2012 , 120, 227-236	2	20
32	Magnetostratigraphic characterization of a thick Lower Pleistocene lacustrine sequence from the Baza Basin (Betic Chain, Southern Spain). <i>Physics of the Earth and Planetary Interiors</i> , 1994 , 85, 173-180	2.3	20
31	Relative importance of the Hercynian and post-Jurassic tectonic phases in the Saharan platform: a palaeomagnetic study of Jurassic sills in the Reggane Basin (Algeria). <i>Geophysical Journal International</i> , 2006 , 167, 380-396	2.6	19
30	Paleogeographic and sedimentary evolution of the South Pyrenean foreland basin. <i>Marine and Petroleum Geology</i> , 2020 , 113, 104105	4.7	18
29	Ten years in the dump: An updated review of the Miocene primate-bearing localities from Abocador de Can Mata (NE Iberian Peninsula). <i>Journal of Human Evolution</i> , 2017 , 102, 12-20	3.1	17
28	Magma flow in dikes from rift zones of the basaltic shield of Tenerife, Canary Islands: Implications for the emplacement of buoyant magma. <i>Journal of Volcanology and Geothermal Research</i> , 2008 , 173, 55-68	2.8	17
27	Tectono-sedimentary evolution of the peripheral basins of the Alboran Sea in the arc of Gibraltar during the latest Messinian-Pliocene. <i>Journal of Geodynamics</i> , 2014 , 77, 158-170	2.2	16
26	Tectonic and climatic controls on the sequential arrangement of an alluvial fan/fan-delta complex (Montserrat, Eocene, Ebro Basin, NE Spain). <i>Basin Research</i> , 2012 , 24, 437-455	3.2	16
25	Closing and continentalization of the South Pyrenean foreland basin (NE Spain): magnetostratigraphic constraints. <i>Basin Research</i> , 2009 , 22, no-no	3.2	15
24	New magnetostratigraphic dating of the Palaeogene syntectonic sediments of the west-central Pyrenees: tectonostratigraphic implications. <i>Geological Society Special Publication</i> , 2016 , 425, 107-128	1.7	14
23	Revised isotopic ($^{40}\text{Ar}/^{39}\text{Ar}$) age for the lamproite volcano of Cabezos Negros, Fortuna Basin (Eastern Betics, SE Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006 , 238, 53-63	2.9	14
22	Dating the northern deposits of the Ebro foreland basin; implications for the kinematics of the SW Pyrenean front. <i>Tectonophysics</i> , 2019 , 765, 11-34	3.1	11
21	On the Late Miocene continentalization of the Guadix Basin: More evidence for a major Messinian hiatus. <i>Geobios</i> , 2012 , 45, 617-620	1.5	11
20	Long-period astronomically-forced terrestrial carbon sinks. <i>Earth and Planetary Science Letters</i> , 2016 , 444, 131-138	5.3	11

19	Temporal aspects of genetic stratigraphic units in continental sedimentary basins: Examples from the Ebro basin, Spain. <i>Earth-Science Reviews</i> , 2018 , 178, 136-153	10.2	10
18	Anomalous magnetic fabrics of dikes in the stable single domain/superparamagnetic threshold. <i>Geophysical Journal International</i> , 2016 , 204, 1040-1059	2.6	10
17	Linking sedimentation rates and large-scale architecture for facies prediction in nonmarine basins (Paleogene, Almazán Basin, Spain). <i>Basin Research</i> , 2017 , 29, 213-232	3.2	9
16	The Ramblan-Aragonian boundary and its significance for the European Neogene continental chronology. Contributions from the Ebro Basin record (NE Spain). <i>Geobios</i> , 2011 , 44, 121-134	1.5	9
15	Chronology and zoogeography of the Miocene hominoid record in Europe 2001 , 2-18		9
14	Bio- and magnetostratigraphic correlation of the Miocene primate-bearing site of Castell de Barberà to the earliest Vallesian. <i>Journal of Human Evolution</i> , 2019 , 132, 32-46	3.1	8
13	Early-Middle Miocene subtle compressional deformation in the Ebro foreland basin (northern Spain); insights from magnetic fabrics. <i>Comptes Rendus - Geoscience</i> , 2016 , 348, 213-223	1.4	6
12	Thermoremanence in red sandstone clasts and emplacement temperature of a quaternary pyroclastic deposit (Catalan Volcanic Zone, ne Spain). <i>Studia Geophysica Et Geodaetica</i> , 1993 , 37, 401-414 ^{0.7}		6
11	Timing of magnetization and vertical-axis rotations of the Cotiella massif (Late Cretaceous, South Central Pyrenees). <i>Geological Society Special Publication</i> , 2016 , 425, 213-232	1.7	4
10	Comment on "The diachroneity of alluvial-fan lithostratigraphy? A test case from southeastern Ebro basin magnetostratigraphy" By N. Swanson-Hysell and D. L. Barbeau, Jr.. <i>Earth and Planetary Science Letters</i> , 2008 , 275, 181-186	5.3	4
9	Aproximació a la correlació marino-continental del Plioceno inferior en el Sur de España. El yacimiento de micromamíferos de Alhaurín el Grande-1 (Cuenca de Málaga, Cordillera Bética, España). <i>Estudios Geológicos</i> , 2013 , 69, 85	0.3	4
8	A New Species of Glirid Rodent <i>Vasseuromys</i> from the Aragonian (Miocene) of the Ebro Basin (North-Eastern Spain). <i>Acta Palaeontologica Polonica</i> , 2012 , 57, 225-239		4
7	10 Myr evolution of sedimentation rates in a deep marine to non-marine foreland basin system: Tectonic and sedimentary controls (Eocene, Tremp-Llaca Basin, Southern Pyrenees, NE Spain). <i>Basin Research</i> , 2021 , 33, 447-477	3.2	3
6	Micromammalian faunas from the Middle Miocene (Middle Aragonian) of the Tudela Formation (Ebro Basin, Spain). <i>Bulletin of Geosciences</i> , 2012 , 131-152	1.7	2
5	Inclination error linked to sedimentary facies in Miocene detrital sequences from the Vallès-Penedès Basin (NE Spain). <i>Geological Society Special Publication</i> , 1996 , 105, 91-99	1.7	1
4	Els Casots (Subirats, Catalonia), a key site for the Miocene vertebrate record of Southwestern Europe. <i>Historical Biology</i> , 1-15	1.1	1
3	Magnetostratigraphy and stable isotope stratigraphy of the middle-Eocene succession of the Ainsa basin (Spain): New age constraints and implications for sediment delivery to the deep waters. <i>Marine and Petroleum Geology</i> , 2021 , 132, 105182	4.7	0
2	Hypsodont Myomiminae (Gliridae, Rodentia) from five new localities in the Lower Miocene Tudela Formation (Bardenas Reales, Ebro Basin, Spain) and their bearing on the age of the Agenian-Ramblan boundary. <i>Geodiversitas</i> , 2012 , 34, 645-663	1.2	

1 Magnetostratigraphic Dating **2021**, 140-152