

Guillaume Dupont-Nivet

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113
papers

5,396
citations

41
h-index

71
g-index

145
ext. papers

6,496
ext. citations

6.3
avg, IF

5.53
L-index

#	Paper	IF	Citations
113	Greater India Basin hypothesis and a two-stage Cenozoic collision between India and Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7659-64	11.5	418
112	Tibetan plateau aridification linked to global cooling at the Eocene-Oligocene transition. <i>Nature</i> , 2007 , 445, 635-8	50.4	414
111	Asian monsoons in a late Eocene greenhouse world. <i>Nature</i> , 2014 , 513, 501-6	50.4	267
110	A female <i>Homo erectus</i> pelvis from Gona, Ethiopia. <i>Science</i> , 2008 , 322, 1089-92	33.3	184
109	Tibetan uplift prior to the Eocene-Oligocene climate transition: Evidence from pollen analysis of the Xining Basin. <i>Geology</i> , 2008 , 36, 987	5	182
108	Palaeolatitude and age of the Indo-Asia collision: palaeomagnetic constraints. <i>Geophysical Journal International</i> , 2010 , 182, 1189-1198	2.6	176
107	Restoration of Cenozoic deformation in Asia and the size of Greater India. <i>Tectonics</i> , 2011 , 30, n/a-n/a	4.3	170
106	Late Eocene sea retreat from the Tarim Basin (west China) and concomitant Asian paleoenvironmental change. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 299, 385-398	2.9	168
105	Mesozoic-Cenozoic evolution of the Xining-Minhe and Dangchang basins, northeastern Tibetan Plateau: Magnetostratigraphic and biostratigraphic results. <i>Journal of Geophysical Research</i> , 2004 , 109,		122
104	Magnetostratigraphy of Cenozoic sediments from the Xining Basin: Tectonic implications for the northeastern Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a		114
103	Paleogene clockwise tectonic rotation of the Xining-Lanzhou region, northeastern Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2004 , 109,		111
102	Step-wise change of Asian interior climate preceding the Eocene-Oligocene Transition (EOT). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 299, 399-412	2.9	105
101	Burma Terrane part of the Trans-Tethyan Arc during collision with India according to palaeomagnetic data. <i>Nature Geoscience</i> , 2019 , 12, 863-868	18.3	101
100	Source to sink relations between the Tian Shan and Junggar Basin (northwest China) from Late Palaeozoic to Quaternary: evidence from detrital U-Pb zircon geochronology. <i>Basin Research</i> , 2013 , 25, 219-240	3.2	96
99	Evidence for northeastern Tibetan Plateau uplift between 25 and 20Ma in the sedimentary archive of the Xining Basin, Northwestern China. <i>Earth and Planetary Science Letters</i> , 2012 , 317-318, 185-195	5.3	95
98	Timing, cause and impact of the late Eocene stepwise sea retreat from the Tarim Basin (west China). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 403, 101-118	2.9	92
97	Aridification in continental Asia after the Middle Eocene Climatic Optimum (MECO). <i>Earth and Planetary Science Letters</i> , 2014 , 389, 34-42	5.3	89

96	A late Eocene palynological record of climate change and Tibetan Plateau uplift (Xining Basin, China). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012 , 344-345, 16-38	2.9	86
95	Linking Tarim Basin sea retreat (west China) and Asian aridification in the late Eocene. <i>Basin Research</i> , 2014 , 26, 621-640	3.2	84
94	Lower Cretaceous Xigaze ophiolites formed in the Gangdese forearc: Evidence from paleomagnetism, sediment provenance, and stratigraphy. <i>Earth and Planetary Science Letters</i> , 2015 , 415, 142-153	5.3	76
93	An astronomically-tuned climate framework for hominins in the Turkana Basin. <i>Earth and Planetary Science Letters</i> , 2011 , 307, 1-8	5.3	75
92	Paleomagnetism indicates no Neogene rotation of the Qaidam Basin in northern Tibet during Indo-Asian collision. <i>Geology</i> , 2002 , 30, 263	5	69
91	Earliest known Oldowan artifacts at >2.58 Ma from Ledi-Geraru, Ethiopia, highlight early technological diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11712-11717	11.5	68
90	Spatial and glacial-interglacial variations in provenance of the Chinese Loess Plateau. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	66
89	Asian aridification linked to the first step of the Eocene-Oligocene climate Transition (EOT) in obliquity-dominated terrestrial records (Xining Basin, China). <i>Climate of the Past</i> , 2010 , 6, 501-513	3.9	65
88	Tectonics, exhumation, and drainage evolution of the eastern Himalaya since 13 Ma from detrital geochemistry and thermochronology, Kameng River Section, Arunachal Pradesh. <i>Bulletin of the Geological Society of America</i> , 2013 , 125, 523-538	3.9	64
87	Magnetostratigraphy of the Neogene Siwalik Group in the far eastern Himalaya: Kameng section, Arunachal Pradesh, India. <i>Journal of Asian Earth Sciences</i> , 2012 , 44, 117-135	2.8	62
86	Early Cretaceous to present latitude of the central proto-Tibetan Plateau: A paleomagnetic synthesis with implications for Cenozoic tectonics, paleogeography, and climate of Asia 2014 ,		60
85	Lateral extrusion along the Altyn Tagh Fault, Qilian Shan (NE Tibet): insight from a 3D crustal budget. <i>Terra Nova</i> , 2015 , 27, 416-425	3	58
84	Resilience of the Asian atmospheric circulation shown by Paleogene dust provenance. <i>Nature Communications</i> , 2016 , 7, 12390	17.4	55
83	Mesozoic [Cenozoic tectonic evolution of southwestern Tian Shan: Evidence from detrital zircon U/Pb and apatite fission track ages of the Ulugqat area, Northwest China. <i>Gondwana Research</i> , 2014 , 26, 986-1008	5.1	54
82	A high resolution study of trace elements and stable isotopes in oyster shells to estimate Central Asian Middle Eocene seasonality. <i>Chemical Geology</i> , 2014 , 363, 200-212	4.2	54
81	No significant post-Eocene rotation of the Moesian Platform and Rhodope (Bulgaria): Implications for the kinematic evolution of the Carpathian and Aegean arcs. <i>Earth and Planetary Science Letters</i> , 2008 , 273, 345-358	5.3	53
80	Paleoanthropology. Late Pliocene fossiliferous sedimentary record and the environmental context of early Homo from Afar, Ethiopia. <i>Science</i> , 2015 , 347, 1355-9	33.3	52
79	Discordant paleomagnetic direction in Miocene rocks from the central Tarim Basin: evidence for local deformation and inclination shallowing. <i>Earth and Planetary Science Letters</i> , 2002 , 199, 473-482	5.3	50

78	Inclination shallowing in Eocene Linzizong sedimentary rocks from Southern Tibet: correction, possible causes and implications for reconstructing the India-Asia collision. <i>Geophysical Journal International</i> , 2013 , 194, 1390-1411	2.6	49
77	Progressive aridification in East Africa over the last half million years and implications for human evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 11174-11179	11.5	48
76	Central Asian moisture modulated by proto-Paratethys Sea incursions since the early Eocene. <i>Earth and Planetary Science Letters</i> , 2019 , 510, 73-84	5.3	42
75	Asian monsoons and aridification response to Paleogene sea retreat and Neogene westerly shielding indicated by seasonality in Paratethys oysters. <i>Earth and Planetary Science Letters</i> , 2018 , 485, 99-110	5.3	42
74	Persistently low Asian paleolatitudes: Implications for the India-Asia collision history. <i>Tectonics</i> , 2010 , 29, n/a-n/a	4.3	42
73	Paleogene evolution and demise of the proto-Paratethys Sea in Central Asia (Tarim and Tajik basins): Role of intensified tectonic activity at ca. 41 Ma. <i>Basin Research</i> , 2019 , 31, 461-486	3.2	42
72	Improved age control on early Homo fossils from the upper Burgi Member at Koobi Fora, Kenya. <i>Journal of Human Evolution</i> , 2013 , 65, 731-45	3.1	41
71	Paleomagnetic tests of tectonic reconstructions of the India-Asia collision zone. <i>Geophysical Research Letters</i> , 2015 , 42, 2642-2649	4.9	40
70	Late Eocene palaeogeography of the proto-Paratethys Sea in Central Asia (NW China, southern Kyrgyzstan and SW Tajikistan). <i>Geological Society Special Publication</i> , 2017 , 427, 565-588	1.7	38
69	Paleomagnetism indicates no Neogene vertical axis rotations of the northeastern Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2003 , 108,		38
68	The Tula uplift, northwestern China: Evidence for regional tectonism of the northern Tibetan Plateau during late Mesozoic-early Cenozoic time. <i>Bulletin of the Geological Society of America</i> , 2003 , 115, 35-47	3.9	37
67	What was the Paleogene latitude of the Lhasa terrane? A reassessment of the geochronology and paleomagnetism of Linzizong volcanic rocks (Linzhou basin, Tibet). <i>Tectonics</i> , 2015 , 34, 594-622	4.3	36
66	Revised chronology of central Tibet uplift (Lunpola Basin). <i>Science Advances</i> , 2020 , 6,	14.3	35
65	Magnetostratigraphic record of the early evolution of the southwestern Tian Shan foreland basin (Ulugqat area), interactions with Pamir indentation and India-Asia collision. <i>Tectonophysics</i> , 2015 , 644-645, 122-137	3.1	34
64	Indentation of the Pamirs with respect to the northern margin of Tibet: Constraints from the Tarim basin sedimentary record. <i>Tectonics</i> , 2016 , 35, 2345-2369	4.3	33
63	Can a primary remanence be retrieved from partially remagnetized Eocene volcanic rocks in the Nanmulin Basin (southern Tibet) to date the India-Asia collision?. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 42-66	3.6	32
62	Late Cenozoic tectonic deformation across the northern foreland of the Chinese Tian Shan. <i>Journal of Asian Earth Sciences</i> , 2011 , 42, 1066-1073	2.8	32
61	Neogene tectonic evolution of the southern and eastern Carpathians constrained by paleomagnetism. <i>Earth and Planetary Science Letters</i> , 2005 , 236, 374-387	5.3	32

60	Paleolatitudes of the Tibetan Himalaya from primary and secondary magnetizations of Jurassic to Lower Cretaceous sedimentary rocks. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 77-100	3.6	31
59	Tectono-sedimentary evolution of the northern Iranian Plateau: insights from middle-late Miocene foreland-basin deposits. <i>Basin Research</i> , 2017 , 29, 417-446	3.2	30
58	Oligocene clockwise rotations along the eastern Pamir: Tectonic and paleogeographic implications. <i>Tectonics</i> , 2014 , 33, 53-66	4.3	28
57	Late Miocene-Pleistocene evolution of India-Eurasia convergence partitioning between the Bhutan Himalaya and the Shillong Plateau: New evidences from foreland basin deposits along the Dungsam Chu section, eastern Bhutan. <i>Tectonics</i> , 2016 , 35, 2963-2994	4.3	27
56	Paleogene evolution of the Burmese forearc basin and implications for the history of India-Asia convergence. <i>Bulletin of the Geological Society of America</i> , 2019 , 131, 730-748	3.9	26
55	Synchronous cooling and decline in monsoonal rainfall in northeastern Tibet during the fall into the Oligocene icehouse. <i>Geology</i> , 2019 , 47, 203-206	5	26
54	Concentration of crustal displacement along a weak Altyn Tagh fault: Evidence from paleomagnetism of the northern Tibetan Plateau. <i>Tectonics</i> , 2004 , 23, n/a-n/a	4.3	25
53	Detrital thermochronology and sediment petrology of the middle Siwaliks along the Muksar Khola section in eastern Nepal. <i>Journal of Asian Earth Sciences</i> , 2012 , 44, 94-106	2.8	24
52	Cenozoic evolution of the steppe-desert biome in Central Asia. <i>Science Advances</i> , 2020 , 6,	14.3	23
51	Magnetostratigraphy of the Northern Tian Shan foreland, Taxi He section, China. <i>Basin Research</i> , 2011 , 23, 101-117	3.2	22
50	Mg/Ca in fossil oyster shells as palaeotemperature proxy, an example from the Palaeogene of Central Asia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 441, 611-626	2.9	21
49	Magmatic history of central Myanmar and implications for the evolution of the Burma Terrane. <i>Gondwana Research</i> , 2020 , 87, 303-319	5.1	21
48	Extended stratigraphy, palynology and depositional environments record the initiation of the Himalayan Gyirong Basin (Neogene China). <i>Journal of Asian Earth Sciences</i> , 2012 , 44, 77-93	2.8	19
47	Tectonic Evolution of the Pamir Recorded in the Western Tarim Basin (China): Sedimentologic and Magnetostratigraphic Analyses of the Aertashi Section. <i>Tectonics</i> , 2019 , 38, 492-515	4.3	19
46	Burma Terrane Collision and Northward Indentation in the Eastern Himalayas Recorded in the Eocene-Miocene Chindwin Basin (Myanmar). <i>Tectonics</i> , 2020 , 39, e2020TC006413	4.3	16
45	The origin of Asian monsoons: a modelling perspective. <i>Climate of the Past</i> , 2020 , 16, 847-865	3.9	15
44	Pamir Plateau formation and crustal thickening before the India-Asia collision inferred from dating and petrology of the 110-102 Ma Southern Pamir volcanic sequence. <i>Gondwana Research</i> , 2017 , 51, 310-326	5.1	15
43	53-43 Ma Deformation of Eastern Tibet Revealed by Three Stages of Tectonic Rotation in the Gongjue Basin. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 3320-3338	3.6	14

42	Orbital climate variability on the northeastern Tibetan Plateau across the Eocene-Oligocene transition. <i>Nature Communications</i> , 2020 , 11, 5249	17.4	14
41	The tectonics and paleo-drainage of the easternmost Himalaya (Arunachal Pradesh, India) recorded in the Siwalik rocks of the foreland basin. <i>Numerische Mathematik</i> , 2018 , 318, 764-798	5.3	14
40	Quantifying the Effect of the Drake Passage Opening on the Eocene Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2020 , 35, e2020PA003889	3.3	13
39	Steppe development on the Northern Tibetan Plateau inferred from Paleogene ephedroid pollen. <i>Grana</i> , 2016 , 55, 71-100	0.8	13
38	Two-stage mid-Brunhes climate transition and mid-Pleistocene human diversification. <i>Earth-Science Reviews</i> , 2020 , 210, 103354	10.2	13
37	Timing and distribution of tectonic rotations in the northeastern Tibetan Plateau 2008 ,		12
36	Early Pleistocene integration of the Yellow River I: Detrital-zircon evidence from the North China Plain. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020 , 546, 109691	2.9	11
35	A novel approach to study the morphology and chemistry of pollen in a phylogenetic context, applied to the halophytic taxon <i>L.(Nitrariaceae)</i> . <i>PeerJ</i> , 2018 , 6, e5055	3.1	11
34	Eocene palms from central Myanmar in a South-East Asian and global perspective: evidence from the palynological record. <i>Botanical Journal of the Linnean Society</i> , 2020 , 194, 177-206	2.2	11
33	The top of the Olduvai Subchron in a high-resolution magnetostratigraphy from the West Turkana core WTK13, hominin sites and Paleolakes Drilling Project (HSPDP). <i>Quaternary Geochronology</i> , 2017 , 42, 117-129	2.7	9
32	On the influence of diagenesis on the original petrographic composition of Miocene-Pliocene fluvial sandstone in the Himalayan foreland basin of western-central Nepal. <i>Journal of Asian Earth Sciences</i> , 2012 , 44, 107-116	2.8	8
31	Reply to Aitchison and Ali: Reconciling Himalayan ophiolite and Asian magmatic arc records with a two-stage India-Asia collision model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E2646-E2646	11.5	8
30	Identifying eolian dust in the geological record. <i>Earth-Science Reviews</i> , 2020 , 211, 103410	10.2	8
29	Towards interactive global paleogeographic maps, new reconstructions at 60, 40 and 20 Ma. <i>Earth-Science Reviews</i> , 2021 , 214, 103508	10.2	7
28	Carbonated Inheritance in the Eastern Tibetan Lithospheric Mantle: Petrological Evidences and Geodynamic Implications. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2019GC008495	3.6	6
27	The geology of Gona, Afar, Ethiopia 2008 ,		6
26	Decline of soil respiration in northeastern Tibet through the transition into the Oligocene icehouse. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020 , 560, 110016	2.9	6
25	Early onset and late acceleration of rapid exhumation in the Namche Barwa syntaxis, eastern Himalaya. <i>Geology</i> , 2020 , 48, 1139-1143	5	6

24	Cretaceous Evolution of the Central Asian Proto-Paratethys Sea: Tectonic, Eustatic, and Climatic Controls. <i>Tectonics</i> , 2020 , 39, e2019TC005983	4.3	6
23	At a crossroads: The late Eocene flora of central Myanmar owes its composition to plate collision and tropical climate. <i>Review of Palaeobotany and Palynology</i> , 2021 , 291, 104441	1.7	6
22	Challenges in isolating primary remanent magnetization from Tethyan carbonate rocks on the Tibetan Plateau: Insight from remagnetized Upper Triassic limestones in the eastern Qiangtang block. <i>Earth and Planetary Science Letters</i> , 2019 , 523, 115695	5.3	5
21	Concurrent tectonic and climatic changes recorded in upper Tortonian sediments from the Eastern Mediterranean. <i>Terra Nova</i> , 2010 , 22, 52-63	3	5
20	Shallow marine to fluvial transition in the Siwalik succession of the Kameng River section, Arunachal Himalaya and its implication for foreland basin evolution. <i>Journal of Asian Earth Sciences</i> , 2019 , 184, 103980	2.8	4
19	Detrital zircon provenance comparison between the Paleocene-Eocene Nangqian-Xialaxiu and Gongjue basins: New insights for Cenozoic paleogeographic evolution of the eastern Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019 , 533, 109241	2.9	4
18	Reply to comment by Ali and Aitchison on Restoration of Cenozoic deformation in Asia, and the size of Greater India <i>Tectonics</i> , 2012 , 31, n/a-n/a	4.3	4
17	Evidence for climatic changes around the Matuyama-Brunhes Boundary (MBB) inferred from a multi-proxy palaeoenvironmental study of the GBY#2 core, Jordan River Valley, Israel. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018 , 489, 166-185	2.9	3
16	Asian aridification linked to the first step of the Eocene-Oligocene climate Transition (EOT) in obliquity-dominated terrestrial records (Xining Basin, China)		3
15	Sporopollenin chemistry and its durability in the geological record: an integration of extant and fossil chemical data across the seed plants. <i>Palaeontology</i> , 2021 , 64, 285-305	2.9	3
14	Asian aridification linked to the first step of the Eocene-Oligocene Climate Transition (EOT) in obliquity-dominated terrestrial records in Xining Basin, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2010 , 21, 219-220	2.2	2
13	Magnetostratigraphy of the eastern Hadar Basin (Ledi-Geraru research area, Ethiopia) and implications for hominin paleoenvironments 2008 ,		2
12	Orbital variations as a major driver of climate and biome distribution during the greenhouse to icehouse transition. <i>Science Advances</i> , 2021 , 7, eabh2819	14.3	2
11	Loess-Like Dust Appearance at 40 Ma in Central China. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA003993	3.3	2
10	Magnetic response to pedogenesis in aerobic soils of different weathering degree. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021 , 567, 110240	2.9	2
9	Magnetostratigraphic Methods and Applications 2012 , 80-94		1
8	Tibetan Plateau Made Central Asian Drylands Move Northward, Concentrate in Narrow Latitudinal Bands, and Increase in Intensity During the Cenozoic. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
7	Reply to Sahle and Gossa: Technology and geochronology at the earliest known Oldowan site at Ledi-Geraru, Ethiopia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20261-20262	11.5	1

6	Magnetostratigraphy of the Hominin Sites and Paleolakes Drilling Project (HSPDP) Baringo-Tugen Hills-Barsemoi core (Kenya). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021 , 570, 110190	2.9	1
5	Chronostratigraphy of the Baringo-Tugen Hills-Barsemoi (HSPDP-BTB13-1A) core $^{40}\text{Ar}/^{39}\text{Ar}$ dating, magnetostratigraphy, tephrostratigraphy, sequence stratigraphy and Bayesian age modeling. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021 , 570, 109519	2.9	1
4	Evolution of continental temperature seasonality from the Eocene greenhouse to the Oligocene icehouse: a model-data comparison. <i>Climate of the Past</i> , 2022 , 18, 341-362	3.9	0
3	Southeastern Tibetan Plateau growth revealed by inverse analysis of landscape evolution model. <i>Geophysical Research Letters</i> ,	4.9	0
2	Neogene paleoclimatic changes in response to tectonism in the Himalayan Gyirong Basin, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2010 , 21, 221-221	2.2	
1	Age and driving mechanisms of the Eocene-Oligocene transition from astronomical tuning of a lacustrine record (Rennes Basin, France). <i>Climate of the Past</i> , 2021 , 17, 2343-2360	3.9	