Pascale Huyghe

List of Publications by Year
in descending order

34 papers	1,406 citations	361413 20 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	1483 citing authors

#	Article	IF	Citations
1	Miocene to Recent exhumation of the central Himalaya determined from combined detrital zircon fission-track and U/Pb analysis of Siwalik sediments, western Nepal. Basin Research, 2006, 18, 393-412.	2.7	144
2	Late Miocene - Recent exhumation of the central Himalaya and recycling in the foreland basin assessed by apatite fission-track thermochronology of Siwalik sediments, Nepal. Basin Research, 2006, 18, 413-434.	2.7	114
3	Propagation of the thrust system and erosion in the Lesser Himalaya: Geochemical and sedimentological evidence. Geology, 2001, 29, 1007.	4.4	104
4	Continental sedimentary processes decouple Nd and Hf isotopes. Geochimica Et Cosmochimica Acta, 2013, 121, 177-195.	3.9	85
5	Srâ€“Ndâ€“Os evidence for a stable erosion regime in the Himalaya during the past 12Myr. Earth and Planetary Science Letters, 2010, 290, 474-480.	4.4	79
6	Magnetostratigraphy of the Neogene Siwalik Group in the far eastern Himalaya: Kameng section, Arunachal Pradesh, India. Journal of Asian Earth Sciences, 2012, 44, 117-135.	2.3	73
7	Liquefied vs stratified sediment mobilization processes: Insight from the South of the Barbados accretionary prism. Tectonophysics, 2006, 428, 33-47.	2.2	69
8	Recent movements along the Main Boundary Thrust of the Himalayas: Normal faulting in an over-critical thrust wedge?. Tectonophysics, 1994, 238, 199-215.	2.2	66
9	What controls the growth of the Himalayan foreland fold-and-thrust belt?. Geology, 2014, 42, 247-250.	4.4	63
10	Ganges basin geometry records a pre-15 Ma isostatic rebound of Himalaya. Geology, 2006, 34, 445.	4.4	58
11	Channel profiles through the active thrust front of the southern Barbados prism. Geology, 2004, 32, 429-432.	4.4	56
12	Tectonic and climatic control of the changes in the sedimentary record of the Karnali River section (Siwaliks of western Nepal). Island Arc, 2005, 14, 311-327.	1.1	54
13	C and O isotope compositions of modern fresh-water mollusc shells and river waters from the Himalaya and Ganga plain. Chemical Geology, 2006, 233, 156-183.	3.3	53
14	Decoupling of long-term exhumation and short-term erosion rates in the Sikkim Himalaya. Earth and Planetary Science Letters, 2016, 433, 76-88.	4.4	41
15	Dynamic ups and downs of the Himalaya. Geology, 2014, 42, 839-842.	4.4	38
16	Lateral variations in vegetation in the Himalaya since the Miocene and implications for climate evolution. Earth and Planetary Science Letters, 2017, 471, 1-9.	4.4	36
17	Significance of the clay mineral distribution in fluvial sediments of the Neogene to Recent Himalayan Foreland Basin (west-central Nepal). Basin Research, 2011, 23, 332-345.	2.7	32
18	Detrital thermochronology and sediment petrology of the middle Siwaliks along the Muksar Khola section in eastern Nepal. Journal of Asian Earth Sciences, 2012, 44, 94-106.	2.3	28

#	Article	IF	Citations
19	Early onset and late acceleration of rapid exhumation in the Namche Barwa syntaxis, eastern Himalaya. Geology, 2020, 48, 1139-1143.	4.4	28
20	Origin of arsenic in Late Pleistocene to Holocene sediments in the Nawalparasi district (Terai, Nepal). Environmental Earth Sciences, 2015, 74, 2571-2593.	2.7	24
21	The tectonics and paleo-drainage of the easternmost Himalaya (Arunachal Pradesh, India) recorded in the Siwalik rocks of the foreland basin. Numerische Mathematik, 2018, 318, 764-798.	1.4	22
22	Postseismic deformation following the April 25, 2015 Gorkha earthquake (Nepal): Afterslip versus viscous relaxation. Journal of Asian Earth Sciences, 2019, 176, 105-119.	2.3	22
23	Stable Drainage Pattern and Variable Exhumation in the Western Himalaya since the Middle Miocene. Journal of Geology, 2015, 123, 1-20.	1.4	21
24	The influence of depth on reactivation in normal faulting. Journal of Structural Geology, 1992, 14, 991-998.	2.3	14
25	Chapter 14 Review of the tectonic controls and sedimentary patterns in late neogene piggyback basins on the barbados ridge complex. Sedimentary Basins of the World, 1999, 4, 369-388.	0.2	13
26	Late Pleistocene - Holocene development of the Tista megafan (West Bengal, India): 10Be cosmogenic and IRSL age constraints. Quaternary Science Reviews, 2018, 185, 69-90.	3.0	13
27	On the influence of diagenesis on the original petrographic composition of Mioceneâ€“Pliocene fluvial sandstone in the Himalayan foreland basin of western-central Nepal. Journal of Asian Earth Sciences, 2012, 44, 107-116.	2.3	11
28	Shallow marine to fluvial transition in the Siwalik succession of the Kameng River section, Arunachal Himalaya and its implication for foreland basin evolution. Journal of Asian Earth Sciences, 2019, 184, 103980.	2.3	10
29	Weathering regime in the Eastern Himalaya since the midâ€Miocene: indications from detrital geochemistry and clay mineralogy of the Kameng River Section, Arunachal Pradesh, India. Basin Research, 2018, 30, 59-74.	2.7	9
30	A comparison of inverted basins of the Southern North Sea and inverted structures of the external Alps. Geological Society Special Publication, 1995, 88, 339-353.	1.3	8
31	Weathering in the Himalaya, an East-West Comparison: Indications from Major Elements and Clay Mineralogy. Journal of Geology, 2017, 125, 515-529.	1.4	7
32	Micro-structures, mineralogy and geochemistry of clay size fraction (< 2 Âµm) of thrust zones of western Nepal Siwaliks (Karnali area). Journal of Nepal Geological Society, 0, 18, 239-248.	0.2	7
33	An embryonic fold and thrust belt south of the Himalayan morphological front: Examples from the Central Nepal and Darjeeling piedmonts. Earth-Science Reviews, 2022, 230, 104061.	9.1	4
34	Magnetoâ€chemical signature of the Lowerâ€toâ€Middle Siwaliks transition in the Karnali River section (Western Nepal): Implications for Himalayan tectonics and climate. Geological Journal, 2020, 55, 4891-4904.	1.3	0