

# Pankaj

## List of Publications by Year in descending order

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29  
papers

1,149  
citations

304743

22  
h-index

477307

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all docs

29  
docs citations

29  
times ranked

752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Paleoclimatic implications of pedogenic carbonates in Holocene soils of the Gangetic Plains, India. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 172, 207-222.	2.3	92
2	Role of neotectonics and climate in development of the Holocene geomorphology and soils of the Gangetic Plains between the Ramganga and Rapti rivers. <i>Sedimentary Geology</i> , 1994, 94, 129-151.	2.1	84
3	Significance of the Formation of Calcium Carbonate Minerals in the Pedogenesis and Management of Cracking Clay Soils (Vertisols) of India. <i>Clays and Clay Minerals</i> , 2002, 50, 111-126.	1.3	69
4	Clay Minerals in Soils as Evidence of Holocene Climatic Change, Central Indo-Gangetic Plains, North-Central India. <i>Quaternary Research</i> , 1998, 50, 230-239.	1.7	67
5	Lateritic soils of Kerala, India: their mineralogy, genesis, and taxonomy. <i>Soil Research</i> , 2005, 43, 839.	1.1	61
6	Soils of the Indo-Gangetic Plains: a pedogenic response to landscape stability, climatic variability and anthropogenic activity during the Holocene. <i>Earth-Science Reviews</i> , 2015, 140, 54-71.	9.1	61
7	Clay illuviation in calcareous soils of the semiarid part of the Indo-Gangetic Plains, India. <i>Geoderma</i> , 2003, 115, 177-192.	5.1	58
8	Polygenetic Vertisols of the Purna Valley of Central India. <i>Catena</i> , 2001, 43, 231-249.	5.0	53
9	Significance of soil modifiers (Ca-zeolites and gypsum) in naturally degraded Vertisols of the Peninsular India in redefining the sodic soils. <i>Geoderma</i> , 2006, 136, 210-228.	5.1	50
10	A high-resolution micromorphological record of the Late Quaternary paleosols from Ganga-Yamuna interfluvium: Stratigraphic and paleoclimatic implications. <i>Quaternary International</i> , 2010, 227, 127-142.	1.5	50
11	Clay minerals record from Late Quaternary drill cores of the Ganga Plains and their implications for provenance and climate change in the Himalayan foreland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 356-357, 27-37.	2.3	48
12	Red ferruginous soils of tropical Indian environments: A review of the pedogenic processes and its implications for edaphology. <i>Catena</i> , 2014, 121, 260-278.	5.0	46
13	Role of zeolites in persistence of high altitude ferruginous Alfisols of the humid tropical Western Ghats, India. <i>Geoderma</i> , 1999, 90, 263-276.	5.1	41
14	Role of microtopography in the formation of sodic soils in the semi-arid part of the Indo-Gangetic Plains, India. <i>Catena</i> , 2003, 51, 3-31.	5.0	40
15	Late Quaternary alluvial fans and paleosols of the Kangra basin, NW Himalaya: Tectonic and paleoclimatic implications. <i>Catena</i> , 2009, 76, 135-154.	5.0	39
16	Formation of gibbsite in the presence of 2:1 minerals: an example from Ultisols of northeast India. <i>Clay Minerals</i> , 2000, 35, 827-840.	0.6	35
17	Early Oligocene paleosols of the Dagshai Formation, India: A record of the oldest tropical weathering in the Himalayan foreland. <i>Sedimentary Geology</i> , 2013, 294, 142-156.	2.1	34
18	Polygenetic Soils of the North-Central Part of the Gangetic Plains: A Micromorphological Approach. <i>Catena</i> , 2002, 46, 243-259.	5.0	33

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19	Palynology and clay mineralogy of the Deccan volcanic associated sediments of Saurashtra, Gujarat: Age and paleoenvironments. <i>Journal of Earth System Science</i> , 2014, 123, 219-232.	1.3	26
20	Role of weathering of fine-grained micas in potassium management of Indian soils. <i>Applied Clay Science</i> , 2001, 20, 39-52.	5.2	25
21	A micromorphological record of contemporary and relict pedogenic processes in soils of the Indo-Gangetic Plains: implications for mineral weathering, provenance and climatic changes. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 771-790.	2.5	25
22	Paleoclimatic implications of micromorphic features of Quaternary paleosols of NW Himalayas and polygenetic soils of the Gangetic Plains – A comparative study. <i>Catena</i> , 2007, 70, 169-184.	5.0	23
23	Thin-section analysis of lithified paleosols from Dagshai Formation of the Himalayan Foreland: Identification of paleopedogenic features and diagenetic overprinting and implications for paleoenvironmental reconstruction. <i>Catena</i> , 2014, 112, 86-98.	5.0	22
24	Micromorphology and Sequence Stratigraphy of the Interfluvial Paleosols from the Ganga Plains: a Record of Alluvial Cyclicality and Paleoclimate During the Late Quaternary. <i>Journal of Sedimentary Research</i> , 2018, 88, 105-128.	1.6	22
25	Late Holocene aridification recorded in the stable carbon and nitrogen isotope composition of soils from Nainital, Lesser Himalaya. <i>Quaternary International</i> , 2018, 467, 195-203.	1.5	14
26	Micromorphology, clay mineralogy, and geochemistry of calcic-soils from western Thar Desert: Implications for origin of palygorskite and southwestern monsoonal fluctuations over the last 30 ka. <i>Catena</i> , 2018, 163, 378-398.	5.0	12
27	Diagenetic reddening of Early Eocene paleosols on King George Island, Antarctica. <i>Geoderma</i> , 2018, 315, 149-159.	5.1	8
28	Role of latitudinal shift and climate change in evolution of red and yellow palaeosols of the Himalayas: Implications for early Oligocene seasonality and Mid-Miocene enhanced precipitation. <i>Sedimentology</i> , 2020, 67, 2189-2221.	3.1	6
29	The modification of parallel folds by progressive shearing parallel to the axial plane. <i>Tectonophysics</i> , 1988, 156, 167-173.	2.2	5