

Michael S Steckler

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

4,239
citations

31
h-index

63
g-index

63
ext. papers

4,648
ext. citations

7.6
avg, IF

5.01
L-index

#	Paper	IF	Citations
60	Subsidence of the Atlantic-type continental margin off New York. <i>Earth and Planetary Science Letters</i> , 1978 , 41, 1-13	5.3	620
59	Thermal consequences of lithospheric extension: Pure and simple. <i>Tectonics</i> , 1988 , 7, 213-234	4.3	222
58	Uplift and extension at the Gulf of Suez: indications of induced mantle convection. <i>Nature</i> , 1985 , 317, 135-139	50.4	207
57	Lithospheric strength variations as a control on new plate boundaries: examples from the northern Red Sea region. <i>Earth and Planetary Science Letters</i> , 1986 , 79, 120-132	5.3	201
56	Flood risk of natural and embanked landscapes on the GangesBrahmaputra tidal delta plain. <i>Nature Climate Change</i> , 2015 , 5, 153-157	21.4	187
55	Subsidence in the gulf of suez: implications for rifting and plate kinematics. <i>Tectonophysics</i> , 1988 , 153, 249-270	3.1	187
54	Controls on facies distribution and stratigraphic preservation in the GangesBrahmaputra delta sequence. <i>Sedimentary Geology</i> , 2003 , 155, 301-316	2.8	171
53	Erosional processes and paleo-environmental changes in the Western Gulf of Lions (SW France) during the Messinian Salinity Crisis. <i>Marine Geology</i> , 2005 , 217, 1-30	3.3	169
52	Geochemical and hydrogeological contrasts between shallow and deeper aquifers in two villages of Araihasar, Bangladesh: Implications for deeper aquifers as drinking water sources. <i>Geochimica Et Cosmochimica Acta</i> , 2005 , 69, 5203-5218	5.5	155
51	Collision of the GangesBrahmaputra Delta with the Burma Arc: Implications for earthquake hazard. <i>Earth and Planetary Science Letters</i> , 2008 , 273, 367-378	5.3	147
50	Reconstruction of Tertiary progradation and clinoform development on the New Jersey passive margin by 2-D backstripping. <i>Marine Geology</i> , 1999 , 154, 399-420	3.3	145
49	Clinof orm development by advection-diffusion of suspended sediment: Modeling and comparison to natural systems. <i>Journal of Geophysical Research</i> , 1998 , 103, 24141-24157		137
48	Locked and loading megathrust linked to active subduction beneath the Indo-Burman Ranges. <i>Nature Geoscience</i> , 2016 , 9, 615-618	18.3	134
47	Climatic and tectonic control on the Cenozoic evolution of the West African margin. <i>Marine Geology</i> , 2001 , 178, 63-80	3.3	127
46	Long-term thermo-mechanical properties of the continental lithosphere. <i>Nature</i> , 1983 , 304, 250-253	50.4	102
45	Fission-track analysis of basement apatites at the western margin of the Gulf of Suez rift, Egypt: evidence for synchronicity of uplift and subsidence. <i>Earth and Planetary Science Letters</i> , 1989 , 94, 316-328	5.3	98
44	PlioQuaternary prograding clinoform wedges of the western Gulf of Lion continental margin (NW Mediterranean) after the Messinian Salinity Crisis. <i>Marine Geology</i> , 2003 , 198, 289-317	3.3	90

43	InSAR measurements of compaction and subsidence in the Ganges-Brahmaputra Delta, Bangladesh. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014 , 119, 1768-1781	3.8	79
42	Modeling Earth deformation from monsoonal flooding in Bangladesh using hydrographic, GPS, and Gravity Recovery and Climate Experiment (GRACE) data. <i>Journal of Geophysical Research</i> , 2010 , 115,		79
41	The role of the sediment load in sequence stratigraphy: The influence of flexural isostasy and compaction. <i>Journal of Geophysical Research</i> , 1991 , 96, 6931-6949		79
40	Conrad deep: a new northern Red Sea deep. <i>Earth and Planetary Science Letters</i> , 1986 , 78, 18-32	5.3	72
39	High tsunami frequency as a result of combined strike-slip faulting and coastal landslides. <i>Nature Geoscience</i> , 2010 , 3, 783-788	18.3	60
38	Forearc extension and slow rollback of the Calabrian Arc from GPS measurements. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	59
37	The effect of sedimentary cover on the flexural strength of continental lithosphere. <i>Nature</i> , 1997 , 389, 476-479	50.4	50
36	Effects of tectonic deformation and sea level on river path selection: Theory and application to the Ganges-Brahmaputra-Meghna River Delta. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015 , 120, 671-689	3.8	48
35	Crustal structure in the Southern Apennines from teleseismic receiver functions. <i>Geology</i> , 2008 , 36, 155-5		45
34	Active deformation and shallow structure of the Wagner, Consag, and Delft Basins, northern Gulf of California, Mexico. <i>Journal of Geophysical Research</i> , 2003 , 108,		45
33	Crustal structure and tectonics of Bangladesh: New constraints from inversion of receiver functions. <i>Tectonophysics</i> , 2016 , 680, 99-112	3.1	40
32	Controls on erosional retreat of the uplifted rift flanks at the Gulf of Suez and northern Red Sea. <i>Journal of Geophysical Research</i> , 1994 , 99, 12159-12173		38
31	Pattern of hydrothermal circulation within the Newark basin from fission-track analysis. <i>Geology</i> , 1993 , 21, 735	5	33
30	Pattern of mantle thinning from subsidence and heat flow measurements in the Gulf of Suez: Evidence for the rotation of Sinai and along-strike flow from the Red Sea. <i>Tectonics</i> , 1998 , 17, 903-920	4.3	32
29	Luminescence dating of delta sediments: Novel approaches explored for the Ganges-Brahmaputra-Meghna Delta. <i>Quaternary Geochronology</i> , 2017 , 41, 97-111	2.7	31
28	Spectroscopy of sediments in the Ganges-Brahmaputra delta: Spectral effects of moisture, grain size and lithology. <i>Remote Sensing of Environment</i> , 2009 , 113, 342-361	13.2	31
27	Slip-partitioning above a shallow, weak décollement beneath the Indo-Burman accretionary prism. <i>Earth and Planetary Science Letters</i> , 2018 , 503, 17-28	5.3	31
26	Seascape Evolution on Clastic Continental Shelves and Slopes	339-380	29

25	Imaging the subducted slab under the Calabrian Arc, Italy, from receiver function analysis. <i>Lithosphere</i> , 2009 , 1, 131-138	2.7	27
24	Early Mesozoic rift basins of eastern North America and their gravity anomalies: The role of detachments during extension. <i>Tectonics</i> , 1988 , 7, 447-462	4.3	25
23	Uniform basin growth over the last 500 ka, North Anatolian Fault, Marmara Sea, Turkey. <i>Tectonophysics</i> , 2012 , 518-521, 1-16	3.1	22
22	Migration imaging and forward modeling of microseismic noise sources near southern Italy. <i>Geochemistry, Geophysics, Geosystems</i> , 2009 , 10, n/a-n/a	3.6	20
21	Global Risks and Research Priorities for Coastal Subsidence. <i>Eos</i> , 2016 , 97,	1.5	20
20	Continental Transform Basins: Why Are They Asymmetric?. <i>Eos</i> , 2010 , 91, 29-30	1.5	19
19	Subsidence and basin modeling at the U.S. Atlantic passive margin 399-416		15
18	Modeling the Sedimentology and Stratigraphy of Continental Margins. <i>Oceanography</i> , 1996 , 9, 183-188	2.3	14
17	Probing the sources of ambient seismic noise near the coasts of southern Italy. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	13
16	Integrating geochronologic and instrumental approaches across the Bengal Basin. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 56-74	3.7	13
15	Microatolls document the 1762 and prior earthquakes along the southeast coast of Bangladesh. <i>Tectonophysics</i> , 2018 , 745, 196-213	3.1	11
14	Modeling of sequence geometry north of Gargano Peninsula by changing sediment pathways in the Adriatic Sea. <i>Continental Shelf Research</i> , 2007 , 27, 526-541	2.4	10
13	Seismic structure of the southern Apennines as revealed by waveform modelling of regional surface waves. <i>Geophysical Journal International</i> , 2009 , 178, 1473-1492	2.6	8
12	The Long-Term Stratigraphic Record on Continental Margins 381-458		7
11	Synthesis of the distribution of subsidence of the lower Ganges-Brahmaputra Delta, Bangladesh. <i>Earth-Science Reviews</i> , 2022 , 224, 103887	10.2	6
10	One-sided transform basins and [inverted curtains] Implications for releasing bends along strike-slip faults. <i>Tectonics</i> , 2011 , 30, n/a-n/a	4.3	5
9	Evidence for formation of a flexural backarc basin by compression and crustal thickening in the central Alaska Peninsula. <i>Geology</i> , 1988 , 16, 1147	5	5
8	High-Resolution Sequence Stratigraphic Modeling 2 Effects of Sedimentation Processes 1999 ,		4

7	Prediction of Margin Stratigraphy 459-529		3
6	The Wicked Problem of Earthquake Hazard in Developing Countries. <i>Eos</i> , 2018 , 99,	1.5	3
5	Neogene shallow-marine and fluvial sediment dispersal, burial, and exhumation in the ancestral Brahmaputra delta: Indo-Burman Ranges, India. <i>Journal of Sedimentary Research</i> , 2020 , 90, 1244-1263	2.1	2
4	High-Resolution Sequence Stratigraphic Modeling 1 The Interplay of Sedimentation, Erosion, and Subsidence 1999 ,		2
3	Provenance Shifts During Neogene Brahmaputra Delta Progradation Tied to Coupled Climate and Tectonic Change in the Eastern Himalaya. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2021GC010026	3.6	1
2	Locked and loading megathrust linked to active subduction beneath the Indo-Burman Ranges		1
1	Flexural deformation controls on Late Quaternary sediment dispersal in the Garo-Rajmahal Gap, NW Bengal Basin. <i>Basin Research</i> , 2020 , 32, 1242-1260	3.2	1