

Michelle A Kominz

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.

36 papers	4,520 citations	22 h-index	37 g-index
37 ext. papers	4,956 ext. citations	8.5 avg, IF	4.68 L-index

#	Paper	IF	Citations
36	The Phanerozoic record of global sea-level change. <i>Science</i> , 2005 , 310, 1293-8	33.3	2074
35	Breakup of a supercontinent between 625 Ma and 555 Ma: new evidence and implications for continental histories. <i>Earth and Planetary Science Letters</i> , 1984 , 70, 325-345	5.3	389
34	Construction of tectonic subsidence curves for the early Paleozoic miogeocline, southern Canadian Rocky Mountains: Implications for subsidence mechanisms, age of breakup, and crustal thinning. <i>Bulletin of the Geological Society of America</i> , 1984 , 95, 155	3.9	359
33	Cenozoic global sea level, sequences, and the New Jersey Transect: Results From coastal plain and continental slope drilling. <i>Reviews of Geophysics</i> , 1998 , 36, 569-601	23.1	235
32	High tide of the warm Pliocene: Implications of global sea level for Antarctic deglaciation. <i>Geology</i> , 2012 , 40, 407-410	5	193
31	Late Cretaceous chronology of large, rapid sea-level changes: Glacioeustasy during the greenhouse world. <i>Geology</i> , 2003 , 31, 585	5	177
30	Upper Cretaceous sequences and sea-level history, New Jersey Coastal Plain. <i>Bulletin of the Geological Society of America</i> , 2004 , 116, 368	3.9	125
29	Calibration between eustatic estimates from backstripping and oxygen isotopic records for the Oligocene. <i>Geology</i> , 2002 , 30, 903	5	111
28	Late Cretaceous and Cenozoic sea-level estimates: backstripping analysis of borehole data, onshore New Jersey. <i>Basin Research</i> , 2004 , 16, 451-465	3.2	96
27	Long-term and short-term global Cenozoic sea-level estimates. <i>Geology</i> , 1998 , 26, 311	5	86
26	Oligocene eustasy from two-dimensional sequence stratigraphic backstripping. <i>Bulletin of the Geological Society of America</i> , 2001 , 113, 291-304	3.9	79
25	An early Cambrian rift to post-rift transition in the Cordillera of western North America. <i>Nature</i> , 1985 , 315, 742-746	50.4	76
24	Thermal subsidence and eustasy in the Lower Palaeozoic miogeocline of western North America. <i>Nature</i> , 1983 , 306, 775-779	50.4	53
23	Quantifying K, U, and Th contents of marine sediments using shipboard natural gamma radiation spectra measured on DV JOIDES Resolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 1053-1064	3.6	49
22	Disentangling Middle Paleozoic sea level and tectonic events in cratonic margins and cratonic basins of North America. <i>Journal of Geophysical Research</i> , 1991 , 96, 6619-6639		44
21	100 Myr record of sequences, sedimentary facies and sea level change from Ocean Drilling Program onshore coreholes, US Mid-Atlantic coastal plain. <i>Basin Research</i> , 2008 , 20, 227-248	3.2	43
20	Paleomagnetic Studies of Central North Pacific Sediment Cores: Stratigraphy, Sedimentation Rates, and the Origin of Magnetic Instability. <i>Bulletin of the Geological Society of America</i> , 1980 , 91, 1789-1835	3.9	40

19	A new method of testing periodicity in cyclic sediments: application to the Newark Supergroup. <i>Earth and Planetary Science Letters</i> , 1990 , 98, 233-244	5.3	36
18	Oceanic Ridge Volumes and Sea-Level Change - An Error Analysis 1984 ,		27
17	ROLE OF THERMAL SUBSIDENCE, FLEXURE, AND EUSTASY IN THE EVOLUTION OF EARLY PALEOZOIC PASSIVE-MARGIN CARBONATE PLATFORMS 1989 , 39-61		26
16	MioceneRecent tectonic and climatic controls on sediment supply and sequence stratigraphy: Canterbury basin, New Zealand. <i>Basin Research</i> , 2005 , 17, 311-328	3.2	25
15	Abyssal currents and advection of resuspended sediment along the northeastern Bermuda Rise. <i>Marine Geology</i> , 1994 , 119, 159-171	3.3	24
14	Neogene tectonic and climatic evolution of the Western Ross Sea, Antarctica [Chronology of events from the AND-1B drill hole. <i>Global and Planetary Change</i> , 2012 , 96-97, 189-203	4.2	22
13	Cambro-Ordovician Eustasy: Evidence from Geophysical Modelling of Subsidence in Cordilleran and Appalachian Passive Margins. <i>Frontiers in Sedimentary Geology</i> , 1988 , 129-160		21
12	Distinguishing the roles of autogenic versus allogenic processes in cyclic sedimentation, Cisco Group (Virgilian and Wolfcampian), north-central Texas. <i>Bulletin of the Geological Society of America</i> , 1998 , 110, 1333-1353	3.9	14
11	Quantifying extension of passive margins: Implications for sea level change. <i>Tectonics</i> , 2010 , 29, n/a-n/a	4.3	12
10	Whither cyclostratigraphy? Testing the Gamma Method on Upper Pleistocene deep-sea sediments, North Atlantic Deep Sea Drilling Project Site 609. <i>Paleoceanography</i> , 1996 , 11, 481-504		12
9	Thermally subsiding basins and the insulating effect of sediment with application to the Cambro-Ordovician Great Basin sequence, western USA. <i>Basin Research</i> , 1995 , 7, 221-233	3.2	12
8	Evidence of astronomical forcing of the earth's climate in Cretaceous and Cambrian times. <i>Tectonophysics</i> , 1993 , 222, 295-315	3.1	12
7	Impact effects and regional tectonic insights: Backstripping the Chesapeake Bay impact structure. <i>Geology</i> , 2008 , 36, 327	5	11
6	Characteristics, stratigraphic architecture, and time framework of multi-order mixed siliciclastic and carbonate depositional sequences, outcropping Cisco Group (Late Pennsylvanian and Early Permian), Eastern Shelf, north-central Texas, USA. <i>Sedimentary Geology</i> , 2003 , 154, 53-87	2.8	9
5	Effects of temperature-dependent material properties and radioactive heat production on simple basin subsidence models. <i>Earth and Planetary Science Letters</i> , 1995 , 130, 31-44	5.3	8
4	Documenting the reliability and utility of the [method as applied to cyclic sections using forward modeling. <i>Earth and Planetary Science Letters</i> , 1992 , 113, 449-457	5.3	8
3	Reversible subsidence on the North West Shelf of Australia. <i>Earth and Planetary Science Letters</i> , 2020 , 534, 116070	5.3	7
2	Quantitative compaction trends of Miocene to Holocene carbonates off the west coast of Australia. <i>Australian Journal of Earth Sciences</i> , 1-13	1.4	3

- 1 Evaluation of the geological stability and predictability of sediment of the Northern Bermuda rise by the subseabed disposal program. *Marine Geotechnology*, **1984**, 5, 215-233

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