

Kara J Matthews

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

2,378
citations

567281

15
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

2516
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean Basin Evolution and Global-Scale Plate Reorganization Events Since Pangea Breakup. Annual Review of Earth and Planetary Sciences, 2016, 44, 107-138.	11.0	724
2	Global plate boundary evolution and kinematics since the late Paleozoic. Global and Planetary Change, 2016, 146, 226-250.	3.5	553
3	A global-scale plate reorganization event at 105~100Ma. Earth and Planetary Science Letters, 2012, 355-356, 283-298.	4.4	165
4	Tectonic evolution and deep mantle structure of the eastern Tethys since the latest Jurassic. Earth-Science Reviews, 2016, 162, 293-337.	9.1	151
5	A Global Data Set of Present-Day Oceanic Crustal Age and Seafloor Spreading Parameters. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009214.	2.5	133
6	The tectonic fabric of the ocean basins. Journal of Geophysical Research, 2011, 116, .	3.3	123
7	SubMachine: Web-Based Tools for Exploring Seismic Tomography and Other Models of Earth's Deep Interior. Geochemistry, Geophysics, Geosystems, 2018, 19, 1464-1483.	2.5	113
8	Geologic and kinematic constraints on Late Cretaceous to mid Eocene plate boundaries in the southwest Pacific. Earth-Science Reviews, 2015, 140, 72-107.	9.1	75
9	On the consistency of seismically imaged lower mantle slabs. Scientific Reports, 2017, 7, 10976.	3.3	68
10	Semiautomatic fracture zone tracking. Geochemistry, Geophysics, Geosystems, 2015, 16, 2462-2472.	2.5	60
11	Formation of Australian continental margin highlands driven by plate-mantle interaction. Earth and Planetary Science Letters, 2016, 441, 60-70.	4.4	54
12	Dynamic subsidence of Eastern Australia during the Cretaceous. Gondwana Research, 2011, 19, 372-383.	6.0	45
13	Melanesian back-arc basin and arc development: Constraints from the eastern Coral Sea. Gondwana Research, 2016, 39, 77-95.	6.0	34
14	Oceanic microplate formation records the onset of India-Eurasia collision. Earth and Planetary Science Letters, 2016, 433, 204-214.	4.4	27
15	A global review and digital database of large-scale extinct spreading centers. , 2017, 13, 911-949.		24
16	The influence of carbonate platform interactions with subduction zone volcanism on palaeo-atmospheric CO ₂ since the Devonian. Climate of the Past, 2018, 14, 857-870.	3.4	19
17	Decoding earth's plate tectonic history using sparse geochemical data. Geoscience Frontiers, 2020, 11, 265-276.	8.4	10