

Marc Fournier

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

2,590
citations

27
h-index

50
g-index

61
ext. papers

2,770
ext. citations

3.9
avg, IF

4.49
L-index

#	Paper	IF	Citations
60	Japan Sea, opening history and mechanism: A synthesis. <i>Journal of Geophysical Research</i> , 1994 , 99, 22237-22259	6.0	360
59	Kinematics, topography, shortening, and extrusion in the India-Eurasia collision. <i>Tectonics</i> , 1992 , 11, 1085-1098	4.3	223
58	Ductile extension in alpine Corsica. <i>Geology</i> , 1990 , 18, 1007	5	146
57	Late Cretaceous to Paleogene post-obduction extension and subsequent Neogene compression in the Oman Mountains. <i>Georabia</i> , 2006 , 11, 17-40		129
56	Neogene strike-slip faulting in Sakhalin and the Japan Sea opening. <i>Journal of Geophysical Research</i> , 1994 , 99, 2701-2725		98
55	Alpine Corsica Metamorphic Core Complex. <i>Tectonics</i> , 1991 , 10, 1173-1186	4.3	95
54	Structure and evolution of the eastern Gulf of Aden conjugate margins from seismic reflection data. <i>Geophysical Journal International</i> , 2005 , 160, 869-890	2.6	88
53	From rifting to spreading in the eastern Gulf of Aden: a geophysical survey of a young oceanic basin from margin to margin. <i>Terra Nova</i> , 2004 , 16, 185-192	3	84
52	Arabia-Somalia plate kinematics, evolution of the Aden-Owen-Carlsberg triple junction, and opening of the Gulf of Aden. <i>Journal of Geophysical Research</i> , 2010 , 115,		82
51	Geometry and kinematics of extension in Alpine Corsica. <i>Earth and Planetary Science Letters</i> , 1991 , 104, 278-291	5.3	82
50	How old is the Baikal Rift Zone? Insight from apatite fission track thermochronology. <i>Tectonics</i> , 2009 , 28, n/a-n/a	4.3	75
49	Structure and evolution of the eastern Gulf of Aden: insights from magnetic and gravity data (Encens-Sheba MD117 cruise). <i>Geophysical Journal International</i> , 2006 , 165, 786-803	2.6	64
48	Fault reactivation and rift localization: Northeastern Gulf of Aden margin. <i>Tectonics</i> , 2006 , 25, n/a-n/a	4.3	60
47	Cenozoic extension in coastal Dhofar (southern Oman): implications on the oblique rifting of the Gulf of Aden. <i>Tectonophysics</i> , 2002 , 357, 279-293	3.1	55
46	Paleomagnetic Rotations and the Japan Sea Opening. <i>Geophysical Monograph Series</i> , 1995 , 355-369	1.1	52
45	Reappraisal of the Arabia-India-Somalia triple junction kinematics. <i>Earth and Planetary Science Letters</i> , 2001 , 189, 103-114	5.3	49
44	In situ evidence for dextral active motion at the Arabia-India plate boundary. <i>Nature Geoscience</i> , 2008 , 1, 54-58	18.3	46

43	Backarc extension and collision: an experimental approach to the tectonics of Asia. <i>Geophysical Journal International</i> , 2004 , 157, 871-889	2.6	46
42	Arc-continent collision in Taiwan: New marine observations and tectonic evolution 2002 ,		45
41	Owen Fracture Zone: The ArabiaIndia plate boundary unveiled. <i>Earth and Planetary Science Letters</i> , 2011 , 302, 247-252	5.3	44
40	Regional seismicity and on-land deformation in the Ryukyu arc: Implications for the kinematics of opening of the Okinawa Trough. <i>Journal of Geophysical Research</i> , 2001 , 106, 13751-13768		41
39	Cenozoic intracontinental dextral motion in the Okhotsk-Japan Sea Region. <i>Tectonics</i> , 1992 , 11, 968-977	4.3	41
38	Oblique rifting and segmentation of the NE Gulf of Aden passive margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2004 , 5, n/a-n/a	3.6	39
37	Alternate senses of displacement along the Tsushima fault system during the Neogene based on fracture analyses near the western margin of the Japan Sea. <i>Tectonophysics</i> , 1996 , 257, 275-295	3.1	33
36	Late Quaternary megaturbidites of the Indus Fan: Origin and stratigraphic significance. <i>Marine Geology</i> , 2013 , 336, 10-23	3.3	31
35	Owen Ridge deep-water submarine landslides: implications for tsunami hazard along the Oman coast. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 417-424	3.9	29
34	Neogene stress field in SW Japan and mechanism of deformation during the Sea of Japan opening. <i>Journal of Geophysical Research</i> , 1995 , 100, 24295-24314		28
33	Tectonic and climatic controls on rift escarpments: Erosion and flexural rebound of the Dhofar passive margin (Gulf of Aden, Oman). <i>Journal of Geophysical Research</i> , 2007 , 112,		26
32	Propagation of back-arc extension into the arc lithosphere in the southern New Hebrides volcanic arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3142-3159	3.6	24
31	Extension in the southern Ryukyu arc (Japan): Link with oblique subduction and back arc rifting. <i>Tectonics</i> , 1999 , 18, 486-497	4.3	24
30	Neogene to Present paleostress field in Eastern Iran (Sistan belt) and implications for regional geodynamics. <i>Tectonics</i> , 2017 , 36, 321-339	4.3	22
29	Segmentation and along-strike asymmetry of the passive margin in Socotra, eastern Gulf of Aden: Are they controlled by detachment faults?. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	22
28	Mass wasting processes along the Owen Ridge (Northwest Indian Ocean). <i>Marine Geology</i> , 2012 , 326-328, 80-100	3.3	21
27	Do ridge-ridge-fault triple junctions exist on Earth? Evidence from the Aden-Owen-Carlsberg junction in the NW Indian Ocean. <i>Basin Research</i> , 2008 , 20, 575-590	3.2	21
26	The kinematics of back-arc basins, examples from the Tyrrhenian, Aegean and Japan Seas. <i>Geological Society Special Publication</i> , 1999 , 164, 21-53	1.7	21

25	Subduction zone intermediate-depth seismicity: Insights from the structural analysis of Alpine high-pressure ophiolite-hosted pseudotachylyte (Corsica, France). <i>Journal of Structural Geology</i> , 2016 , 87, 95-114	3	21
24	Oblique rifting at oceanic ridges: Relationship between spreading and stretching directions from earthquake focal mechanisms. <i>Journal of Structural Geology</i> , 2007 , 29, 201-208	3	20
23	No large earthquakes in fully exposed subducted seamount. <i>Geology</i> , 2019 , 47, 407-410	5	19
22	The Owen Ridge uplift in the Arabian Sea: Implications for the sedimentary record of Indian monsoon in Late Miocene. <i>Earth and Planetary Science Letters</i> , 2014 , 394, 1-12	5.3	19
21	Post-rift seaward downwarping at passive margins: New insights from southern Oman using stratigraphy to constrain apatite fission-track and (U-Th)/He dating. <i>Geology</i> , 2007 , 35, 647	5	15
20	Post-nappe brittle extension in the inner Western Alps (Schistes Lustrés) following late ductile exhumation: a record of synextension block rotation?. <i>Terra Nova</i> , 2003 , 15, 306-314	3	14
19	Distribution of shortening landward and oceanward of the eastern Nankai trough due to the Izu-Ogasawara ridge collision. <i>Earth and Planetary Science Letters</i> , 1996 , 137, 145-156	5.3	14
18	Mode of opening of an oceanic pull-apart: The 20°N Basin along the Owen Fracture Zone (NW Indian Ocean). <i>Tectonics</i> , 2013 , 32, 1343-1357	4.3	12
17	Present-day velocity and stress fields of the Amurian Plate from thin-shell finite-element modelling. <i>Geophysical Journal International</i> , 2004 , 160, 358-370	2.6	12
16	Micro-tectonic constraints on the evolution of the Barles half-window (Digne nappe, southern Alps). Implications for the timing of folding in the Valensole foreland basin. <i>Bulletin - Societe Geologique De France</i> , 2008 , 179, 551-568	2.3	11
15	Transtensional deformation at the junction between the Okinawa trough back-arc basin and the SW Japan island arc. <i>Geological Society Special Publication</i> , 2004 , 227, 297-312	1.7	11
14	Tectonics of the Dalrymple Trough and uplift of the Murray Ridge (NW Indian Ocean). <i>Tectonophysics</i> , 2014 , 636, 1-17	3.1	10
13	Palaeozoic orogeneses around the Siberian craton: Structure and evolution of the Patom belt and foredeep. <i>Tectonics</i> , 2009 , 28, n/a-n/a	4.3	10
12	Tracking the paleogene India-Arabia plate boundary. <i>Marine and Petroleum Geology</i> , 2016 , 72, 336-358	4.7	9
11	Shear partitioning in the eastern Nankai Trough: evidence from submersible dives. <i>Earth and Planetary Science Letters</i> , 1994 , 128, 77-83	5.3	9
10	Seismic hazard of the western Makran subduction zone: Insight from mechanical modelling and inferred frictional properties. <i>Earth and Planetary Science Letters</i> , 2021 , 562, 116789	5.3	9
9	Polyphase ductile/brittle deformation along a major tectonic boundary in an ophiolitic nappe, Alpine Corsica: Insights on subduction zone intermediate-depth asperities. <i>Journal of Structural Geology</i> , 2017 , 94, 240-257	3	8
8	Successive shifts of the India-Africa transform plate boundary during the Late Cretaceous-Paleogene interval: Implications for ophiolite emplacement along transforms. <i>Journal of Asian Earth Sciences</i> , 2020 , 191, 104225	2.8	4

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| 7 | Pseudotachylyte in the Monte Maggiore ophiolitic unit (Alpine Corsica): a possible lateral extension of the Cima di Gratera intermediate-depth Wadati-Benioff paleo-seismic zone. <i>Bulletin - Societe Geologique De France</i> , 2018 , 189, 18 | 2.3 | 4 |
| 6 | The Sawqirah contourite drift system in the Arabian Sea (NW Indian Ocean): A case study of interactions between margin reactivation and contouritic processes. <i>Marine Geology</i> , 2016 , 381, 1-16 | 3.3 | 3 |
| 5 | Comment on Aptian faulting in the Haushi-Huqf (Oman) and the tectonic evolution of the southeast Arabian platform-margin [GeoArabia, 2003, v. 8, no. 4, p. 643-662] by C. Montenat, P. Barrier and H.J. Soudet. <i>GeoArabia</i> , 2005 , 10, 191-198 | | 3 |
| 4 | Seismically-induced serpentine dehydration as a possible mechanism of water release in subduction zones. Insights from the Alpine Corsica pseudotachylyte-bearing Monte Maggiore ophiolitic unit. <i>Lithos</i> , 2020 , 362-363, 105474 | 2.9 | 2 |
| 3 | The Geological Evolution of the Aden-Owen-Carlsberg Triple Junction (NW Indian Ocean) Since the Late Miocene. <i>Tectonics</i> , 2018 , 37, 1552-1575 | 4.3 | 2 |
| 2 | Late Cretaceous calc-alkaline and adakitic magmatism in the Sistan suture zone (Eastern Iran): Implications for subduction polarity and regional tectonics. <i>Journal of Asian Earth Sciences</i> , 2020 , 204, 104588 | 2.8 | 2 |
| 1 | Structural Reorganization of the India-Arabia Strike-Slip Plate Boundary (Owen Fracture Zone; NW Indian Ocean) 2.4 million years ago 2019 , 145-155 | | 0 |