

Joerg Bialas

List of Publications by Year in descending order

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76
papers

3,185
citations

147726

31
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161767

54
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82
all docs

82
docs citations

82
times ranked

2738
citing authors

#	ARTICLE	IF	CITATIONS
1	Tectonic and geological framework for gas hydrates and cold seeps on the Hikurangi subduction margin, New Zealand. <i>Marine Geology</i> , 2010, 272, 26-48.	0.9	269
2	Structure of the Makran subduction zone from wide-angle and reflection seismic data. <i>Tectonophysics</i> , 2000, 329, 171-191.	0.9	212
3	Passive and active seismological study of bending-related faulting and mantle serpentinization at the Middle America trench. <i>Earth and Planetary Science Letters</i> , 2007, 258, 528-542.	1.8	136
4	Mud volcanoes and gas hydrates in the Black Sea: new data from Dvurechenskii and Odessa mud volcanoes. <i>Geo-Marine Letters</i> , 2003, 23, 239-249.	0.5	118
5	Methane seepage along the Hikurangi Margin, New Zealand: Overview of studies in 2006 and 2007 and new evidence from visual, bathymetric and hydroacoustic investigations. <i>Marine Geology</i> , 2010, 272, 6-25.	0.9	114
6	Crustal architecture and deep structure of the Ninetyeast Ridge hotspot trail from active-source ocean bottom seismology. <i>Geophysical Journal International</i> , 2001, 144, 414-431.	1.0	103
7	New seismic images of the Cascadia subduction zone from cruise SO108 "ORWELL". <i>Tectonophysics</i> , 1998, 293, 69-84.	0.9	100
8	Seismic structure of Cocos and Malpelo Volcanic Ridges and implications for hot spot-ridge interaction. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	99
9	Pockmarks in the Northern Congo Fan area, SW Africa: Complex seafloor features shaped by fluid flow. <i>Marine Geology</i> , 2008, 249, 206-225.	0.9	95
10	Crustal structure of the central Sunda margin at the onset of oblique subduction. <i>Geophysical Journal International</i> , 2001, 147, 449-474.	1.0	88
11	Crustal structure of the Middle American Trench off Costa Rica from wide-angle seismic data. <i>Tectonics</i> , 1996, 15, 1006-1021.	1.3	83
12	Seismic structure of the Carnegie ridge and the nature of the Galápagos hotspot. <i>Geophysical Journal International</i> , 2005, 161, 763-788.	1.0	82
13	Morphotectonics of the Pacific convergent margin of Costa Rica. <i>Special Paper of the Geological Society of America</i> , 1995, , 291-308.	0.5	78
14	Ridge subduction at an erosive margin: The collision zone of the Nazca Ridge in southern Peru. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	78
15	Crustal structure of the Java margin from seismic wide-angle and multichannel reflection data. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 1-1.	3.3	67
16	Serpentinization in the trench-outer rise region offshore of Nicaragua: constraints from seismic refraction and wide-angle data. <i>Geophysical Journal International</i> , 2010, 180, 1253-1264.	1.0	67
17	Seismic investigation of the continental margin off- and onshore Valparaiso, Chile. <i>Tectonophysics</i> , 1998, 288, 251-263.	0.9	60
18	On the origin of multiple BSRs in the Danube deep-sea fan, Black Sea. <i>Earth and Planetary Science Letters</i> , 2017, 462, 15-25.	1.8	59

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19	Gas-controlled seafloor doming. <i>Geology</i> , 2015, 43, 571-574.	2.0	56
20	Geological fate of seafloor massive sulphides at the TAG hydrothermal field (Mid-Atlantic Ridge). <i>Ore Geology Reviews</i> , 2019, 107, 903-925.	1.1	56
21	Hydrate occurrence in Europe: A review of available evidence. <i>Marine and Petroleum Geology</i> , 2020, 111, 735-764.	1.5	56
22	The link between bottom-simulating reflections and methane flux into the gas hydrate stability zone – new evidence from Lima Basin, Peru Margin. <i>Earth and Planetary Science Letters</i> , 2001, 185, 343-354.	1.8	54
23	Crustal structure of the Peruvian continental margin from wide-angle seismic studies. <i>Geophysical Journal International</i> , 2004, 159, 749-764.	1.0	54
24	The structures beneath submarine methane seeps: Seismic evidence from Opouawe Bank, Hikurangi Margin, New Zealand. <i>Marine Geology</i> , 2010, 272, 59-70.	0.9	47
25	The impact of fluid advection on gas hydrate stability: Investigations at sites of methane seepage offshore Costa Rica. <i>Earth and Planetary Science Letters</i> , 2014, 401, 95-109.	1.8	42
26	Intraplate seismicity and related mantle hydration at the Nicaraguan trench outer rise. <i>Geophysical Journal International</i> , 2009, 178, 742-752.	1.0	41
27	Effect of trench-outer rise bending-related faulting on seismic Poisson's ratio and mantle anisotropy: a case study offshore of Southern Central Chile. <i>Geophysical Journal International</i> , 2008, 173, 142-156.	1.0	37
28	Interseismic strain build-up on the submarine North Anatolian Fault offshore Istanbul. <i>Nature Communications</i> , 2019, 10, 3006.	5.8	37
29	The limits of seaward spreading and slope instability at the continental margin offshore Mt Etna, imaged by high-resolution 2D seismic data. <i>Tectonophysics</i> , 2016, 667, 63-76.	0.9	34
30	Submarine gas seepage in a mixed contractional and shear deformation regime: Cases from the Hikurangi oblique-subduction margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 416-433.	1.0	33
31	Fields of multi-kilometer scale sub-circular depressions in the Carnegie Ridge sedimentary blanket: Effect of underwater carbonate dissolution?. <i>Marine Geology</i> , 2005, 216, 205-219.	0.9	32
32	Episodic methane concentrations at seep sites on the upper slope Opouawe Bank, southern Hikurangi Margin, New Zealand. <i>Marine Geology</i> , 2010, 272, 71-78.	0.9	31
33	Sidescan sonar imagery of widespread fossil and active cold seeps along the central Chilean continental margin. <i>Geo-Marine Letters</i> , 2012, 32, 489-499.	0.5	30
34	Transtensional basins in the Western Sunda Strait. <i>Geophysical Research Letters</i> , 2000, 27, 3545-3548.	1.5	29
35	Morphotectonic and morphometric analysis of the Nazca plate and the adjacent offshore Peruvian continental slope – Implications for submarine landscape evolution. <i>Marine Geology</i> , 2008, 254, 107-120.	0.9	29
36	High-resolution, deep tow, multichannel seismic and sidescan sonar survey of the submarine mounds and associated BSR off Nicaragua pacific margin. <i>Marine Geology</i> , 2007, 241, 33-43.	0.9	28

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37	Free gas distribution and basal shear zone development in a subaqueous landslide "Insight from 3D seismic imaging of the Tuaheni Landslide Complex, New Zealand. Earth and Planetary Science Letters, 2018, 502, 231-243.	1.8	28
38	Potential impacts of gas hydrate exploitation on slope stability in the Danube deep-sea fan, Black Sea. Marine and Petroleum Geology, 2018, 92, 1056-1068.	1.5	26
39	Investigating a gas hydrate system in apparent disequilibrium in the Danube Fan, Black Sea. Earth and Planetary Science Letters, 2018, 502, 1-11.	1.8	26
40	Patterns of subsurface fluid-flow at cold seeps: The Hikurangi Margin, offshore New Zealand. Marine and Petroleum Geology, 2013, 39, 59-73.	1.5	25
41	Paleo-fluid expulsion and contouritic drift formation on the Chatham Rise, New Zealand. Basin Research, 2018, 30, 5-19.	1.3	25
42	Physical properties and core-log seismic integration from drilling at the Danube deep-sea fan, Black Sea. Marine and Petroleum Geology, 2020, 114, 104192.	1.5	25
43	Gas migration pathways and slope failures in the Danube Fan, Black Sea. Marine and Petroleum Geology, 2018, 92, 1069-1084.	1.5	24
44	Seismic velocities from the Yaquina forearc basin off Peru: evidence for free gas within the gas hydrate stability zone. International Journal of Earth Sciences, 2005, 94, 420-432.	0.9	22
45	The use of rotational invariants for the interpretation of marine CSEM data with a case study from the North Alex mud volcano, West Nile Delta. Geophysical Journal International, 2015, 201, 224-245.	1.0	21
46	Late Eocene onset of the Proto-Antarctic Circumpolar Current. Scientific Reports, 2019, 9, 10125.	1.6	21
47	CO ₂ Release From Pockmarks on the Chatham Rise-Bounty Trough at the Glacial Termination. Paleoceanography and Paleoclimatology, 2019, 34, 1726-1743.	1.3	21
48	Structure of the Mediterranean Ridge accretionary complex from seismic velocity information. Marine Geology, 2002, 186, 43-58.	0.9	19
49	Analysis of marine controlled source electromagnetic data for the assessment of gas hydrates in the Danube deep-sea fan, Black Sea. Marine and Petroleum Geology, 2020, 122, 104650.	1.5	19
50	Gas migration through Opouawe Bank at the Hikurangi margin offshore New Zealand. Geo-Marine Letters, 2016, 36, 187-196.	0.5	18
51	Joint interpretation of geophysical field experiments in the danube deep-sea fan, Black Sea. Marine and Petroleum Geology, 2020, 121, 104551.	1.5	18
52	The influence of submarine currents associated with the Subtropical Front upon seafloor depression morphologies on the eastern passive margin of South Island, New Zealand. New Zealand Journal of Geology, and Geophysics, 2018, 61, 112-125.	1.0	17
53	Mass wasting at the base of the south central Chilean continental margin: the Reloca Slide. Advances in Geosciences, 0, 22, 155-167.	12.0	15
54	Seismic evidence for failed rifting in the Ligurian Basin, Western Alpine domain. Solid Earth, 2020, 11, 873-887.	1.2	14

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55	Sidescan backscatter variations of cold seeps on the Hikurangi Margin (New Zealand): indications for different stages in seep development. <i>Geo-Marine Letters</i> , 2014, 34, 169-184.	0.5	13
56	Giant depressions on the Chatham Rise offshore New Zealand – Morphology, structure and possible relation to fluid expulsion and bottom currents. <i>Marine Geology</i> , 2018, 399, 158-169.	0.9	13
57	New insights into geology and geochemistry of the Kerch seep area in the Black Sea. <i>Marine and Petroleum Geology</i> , 2020, 113, 104162.	1.5	13
58	Detachment tectonics at Mid-Atlantic Ridge 26°N. <i>Scientific Reports</i> , 2019, 9, 11830.	1.6	12
59	In-situ borehole temperature measurements confirm dynamics of the gas hydrate stability zone at the upper Danube deep sea fan, Black Sea. <i>Earth and Planetary Science Letters</i> , 2021, 563, 116869.	1.8	12
60	Upward-Doming Zones of Gas Hydrate and Free Gas at the Bases of Gas Chimneys, New Zealand's Hikurangi Margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021489.	1.4	11
61	Special topic: marine seismic. <i>First Break</i> , 2002, 20, 764-786.	0.2	9
62	Elongate fluid flow structures: Stress control on gas migration at Opouawe Bank, New Zealand. <i>Marine and Petroleum Geology</i> , 2018, 92, 913-931.	1.5	9
63	Controls on Gas Emission Distribution on the Continental Slope of the Western Black Sea. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	8
64	Reloca Slide: an ~24 km ³ submarine mass-wasting event in response to oversteepening and failure of the central Chilean continental slope. <i>Terra Nova</i> , 2016, 28, 257-264.	0.9	7
65	Tsunamigenic potential of a newly discovered active fault zone in the outer Messina Strait, Southern Italy. <i>Geophysical Research Letters</i> , 2017, 44, 2427-2435.	1.5	7
66	Tectonic framework of the mud mounds, associated BSRs and submarine landslides, offshore Nicaragua Pacific margin. <i>Journal of the Geological Society</i> , 2008, 165, 167-176.	0.9	6
67	The Character and Formation of Elongated Depressions on the Upper Bulgarian Slope. <i>Journal of Ocean University of China</i> , 2018, 17, 555-562.	0.6	6
68	International viewpoint and news. <i>Environmental Earth Sciences</i> , 2009, 59, 485-487.	1.3	5
69	Evidence for Submarine Landslides Offshore Mt. Etna, Italy. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 307-316.	1.1	5
70	Seismic investigations of the Ringkoebing-Fyn High on Langeland, Denmark. <i>Tectonophysics</i> , 1990, 176, 25-41.	0.9	3
71	Shallow seismic investigations of the accretionary complex offshore Central Chile. <i>Marine Geology</i> , 2021, 434, 106437.	0.9	3
72	Interplay between magmatic accretion, spreading asymmetry and detachment faulting at a segment end: Crustal structure south of the Ascension Fracture Zone. <i>Earth and Planetary Science Letters</i> , 2015, 432, 84-94.	1.8	2

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73	The BGR Slide Off Costa Rica: Preconditioning Factors, Trigger, and Slide Dynamics. , 2012, , 289-299.		2
74	3-D Images of a Large Pockmark from the Chatham Rise, New Zealand. , 2013, , .		0
75	Seismic Studies of Giant Pockmark-like Features in Southern Chatham Rise, New Zealand. , 2013, , .		0
76	Investigating a Potential Link between Seafloor Pockmarks, Gas Hydrates and Offshore Hydrocarbon Reservoirs in the Canterbury Basin, New Zealand. , 2013, , .		0