

Mark Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,234
citations

331670

21
h-index

395702

33
g-index

54
all docs

54
docs citations

54
times ranked

1897
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of postglacial seawater intrusion on sediment geochemical characteristics in the Romanian sector of the Black Sea. <i>Marine and Petroleum Geology</i> , 2021, 123, 104746.	3.3	13
2	Offshore Freshened Groundwater in Continental Margins. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000706.	23.0	31
3	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO ₂ release. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103237.	4.6	39
4	Environmental impact assessment of desalination plants through observations and modeling over Central Red Sea-Yanbu and Rabig. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	3
5	Intensity pattern types in broadband Fourier domain mode-locked (FDML) lasers operating beyond the ultra-stable regime. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	2.2	7
6	Focused methane migration formed pipe structures in permeable sandstones: Insights from uncrewed aerial vehicle-based digital outcrop analysis in Varna, Bulgaria. <i>Sedimentology</i> , 2021, 68, 2765-2782.	3.1	5
7	Oil and gas seepage offshore Georgia (Black Sea) – Geochemical evidences for a paleogene-neogene hydrocarbon source rock. <i>Marine and Petroleum Geology</i> , 2021, 128, 104995.	3.3	8
8	Quantification of dissolved CO ₂ plumes at the Goldeneye CO ₂ -release experiment. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103387.	4.6	9
9	Water column baseline assessment for offshore Carbon Dioxide Capture and Storage (CCS) sites: Analysis of field data from the Goldeneye storage complex area. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103344.	4.6	12
10	Deviations from environmental baseline: Detection of subsea CO ₂ release in the water column from real-time measurements at a potential offshore Carbon Dioxide Storage site. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103369.	4.6	3
11	Interactions between temperature and energy supply drive microbial communities in hydrothermal sediment. <i>Communications Biology</i> , 2021, 4, 1006.	4.4	10
12	The removal of methylene blue as a remedy of dye-based marine pollution: a photocatalytic perspective. <i>Research on Chemical Intermediates</i> , 2020, 46, 755-768.	2.7	17
13	Incorporation of minor and trace elements into cultured brachiopods: Implications for proxy application with new insights from a biomineralisation model. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 418-440.	3.9	6
14	Neotectonics of the Sea of Galilee (northeast Israel): implication for geodynamics and seismicity along the Dead Sea Fault system. <i>Scientific Reports</i> , 2020, 10, 11932.	3.3	17
15	A tidal-influenced hydrothermal system temporarily cooled by a tropical storm. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 393, 106792.	2.1	2
16	Impact of ambient conditions on the Si isotope fractionation in marine pore fluids during early diagenesis. <i>Biogeosciences</i> , 2020, 17, 1745-1763.	3.3	26
17	Self-stabilization mechanism in ultra-stable Fourier domain mode-locked (FDML) lasers. <i>OSA Continuum</i> , 2020, 3, 1589.	1.8	14
18	Simulating and Quantifying Multiple Natural Subsea CO ₂ Seeps at Panarea Island (Aeolian) Tj ETQq0 0 0 rgBT /Overlock 10 Science & Technology, 2019, 53, 10258-10268.	10.0	19

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19	Shelf-to-basin iron shuttle in the Guaymas Basin, Gulf of California. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 76-92.	3.9	28
20	Nitrous oxide in the northern Gulf of Aqaba and the central Red Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 166, 90-103.	1.4	4
21	Formation and migration of hydrocarbons in deeply buried sediments of the Gulf of Cadiz convergent plate boundary - Insights from the hydrocarbon and helium isotope geochemistry of mud volcano fluids. <i>Marine Geology</i> , 2019, 410, 56-69.	2.1	12
22	Footprint and detectability of a well leaking CO ₂ in the Central North Sea: Implications from a field experiment and numerical modelling. <i>International Journal of Greenhouse Gas Control</i> , 2019, 84, 190-203.	4.6	33
23	Pockmarks in the Witch Ground Basin, Central North Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1698-1719.	2.5	35
24	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	46
25	Coexistence of Intensity Pattern Types in Broadband Fourier Domain Mode Locked (FDML) Lasers. , 2019, , .		0
26	Measurement of Inter-Sweep Phase Stability of an FDML Laser with a 10 kHz Tunable Ring Laser. , 2019, , .		2
27	Modeling of the Ultra-Stable Operating Regime in Fourier Domain Mode Locked (FDML) Lasers. , 2019, , .		1
28	Boron isotope systematics of cultured brachiopods: Response to acidification, vital effects and implications for palaeo-pH reconstruction. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 370-386.	3.9	27
29	Glacigenic sedimentation pulses triggered post-glacial gas hydrate dissociation. <i>Nature Communications</i> , 2018, 9, 635.	12.8	35
30	On the formation of hydrothermal vents and cold seeps in the Guaymas Basin, Gulf of California. <i>Biogeosciences</i> , 2018, 15, 5715-5731.	3.3	25
31	Microbial methanogenesis in the sulfate-reducing zone of sediments in the Eckernförde Bay, SW Baltic Sea. <i>Biogeosciences</i> , 2018, 15, 137-157.	3.3	51
32	Mobile underwater in situ gamma-ray spectroscopy to localize groundwater emanation from pockmarks in the Eckernförde bay, Germany. <i>Applied Radiation and Isotopes</i> , 2018, 140, 305-313.	1.5	11
33	Shallow Gas Migration along Hydrocarbon Wells – An Unconsidered, Anthropogenic Source of Biogenic Methane in the North Sea. <i>Environmental Science & Technology</i> , 2017, 51, 10262-10268.	10.0	21
34	Hydrocarbon Degradation in Caspian Sea Sediment Cores Subjected to Simulated Petroleum Seepage in a Newly Designed Sediment-Oil-Flow-Through System. <i>Frontiers in Microbiology</i> , 2017, 8, 763.	3.5	7
35	Thermocline mixing and vertical oxygen fluxes in the stratified central North Sea. <i>Biogeosciences</i> , 2016, 13, 1609-1620.	3.3	15
36	Deconstructing Methane Emissions from a Small Northern European River: Hydrodynamics and Temperature as Key Drivers. <i>Environmental Science & Technology</i> , 2016, 50, 11680-11687.	10.0	37

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37	A Portable and Autonomous Mass Spectrometric System for On-Site Environmental Gas Analysis. <i>Environmental Science & Technology</i> , 2016, 50, 13455-13463.	10.0	71
38	Fault zone controlled seafloor methane seepage in the rupture area of the 2010 M _{aule} earthquake, Central Chile. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4802-4813.	2.5	32
39	Linked sediment and water column methanotrophy at a man-made gas blowout in the North Sea: Implications for methane budgeting in seasonally stratified shallow seas. <i>Limnology and Oceanography</i> , 2016, 61, S367.	3.1	31
40	Thermal small steps staircase and layer migration in the Atlantis II Deep, Red Sea. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	1
41	Continuous inline mapping of a dissolved methane plume at a blowout site in the Central North Sea UK using a membrane inlet mass spectrometer – Water column stratification impedes immediate methane release into the atmosphere. <i>Marine and Petroleum Geology</i> , 2015, 68, 766-775.	3.3	27
42	Quantification of methane emissions at abandoned gas wells in the Central North Sea. <i>Marine and Petroleum Geology</i> , 2015, 68, 848-860.	3.3	69
43	Natural CO ₂ Seeps Offshore Panarea: A Test Site for Subsea CO ₂ Leak Detection Technology. <i>Marine Technology Society Journal</i> , 2015, 49, 19-30.	0.4	22
44	Novel Online Digital Video and High-Speed Data Broadcasting via Standard Coaxial Cable Onboard Marine Operating Vessels. <i>Marine Technology Society Journal</i> , 2015, 49, 7-18.	0.4	14
45	Strike-slip faults mediate the rise of crustal-derived fluids and mud volcanism in the deep sea. <i>Geology</i> , 2015, 43, 339-342.	4.4	56
46	High-Speed Antenna-Coupled Terahertz Thermocouple Detectors and Mixers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015, 63, 4236-4246.	4.6	13
47	A Nanostructured Long-Wave Infrared Range Thermocouple Detector. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2015, 5, 335-343.	3.1	9
48	Prokaryotic phylogenetic diversity and corresponding geochemical data of the brine-seawater interface of the Shaban Deep, Red Sea. <i>Environmental Microbiology</i> , 2002, 4, 758-763.	3.8	98
49	Microbial Diversity of the Brine-Seawater Interface of the Kebrit Deep, Red Sea, Studied via 16S rRNA Gene Sequences and Cultivation Methods. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3077-3085.	3.1	133
50	UV absorption cross-section data for the hypochlorites ROCl (R = 1/4 H, CH ₃ , C ₂ H ₅ , i-C ₃ H ₇ , tert-C ₄ H ₉). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995, 91, 1-6.	3.9	26