

Bo Liu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

654
citations

687335

13
h-index

580810

25
g-index

35
all docs

35
docs citations

35
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	Translational diffusion of polymer chains with excluded volume and hydrodynamic interactions by Brownian dynamics simulation. <i>Journal of Chemical Physics</i> , 2003, 118, 8061-8072.	3.0	76
2	Intensive and extensive nitrogen loss from intertidal permeable sediments of the Wadden Sea. <i>Limnology and Oceanography</i> , 2012, 57, 185-198.	3.1	73
3	Control of sulphate and methane distributions in marine sediments by organic matter reactivity. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 104, 183-193.	3.9	72
4	The phase diagrams of mixtures of EVAL and PEG in relation to membrane formation. <i>Journal of Membrane Science</i> , 2000, 180, 81-92.	8.2	63
5	Effects of transient bottom water currents and oxygen concentrations on benthic exchange rates as assessed by eddy correlation measurements. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1157-1169.	2.6	55
6	Cyclic 100-ka (glacial-interglacial) migration of subseafloor redox zonation on the Peruvian shelf. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18098-18103.	7.1	35
7	Factors controlling the carbon isotope composition of dissolved inorganic carbon and methane in marine porewater: An evaluation by reaction-transport modelling. <i>Journal of Marine Systems</i> , 2019, 200, 103227.	2.1	35
8	Sulfate deprivation triggers high methane production in a disturbed and rewetted coastal peatland. <i>Biogeosciences</i> , 2019, 16, 1937-1953.	3.3	29
9	Biogeochemical impact of submarine ground water discharge on coastal surface sands of the southern Baltic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 189, 131-142.	2.1	27
10	A new mathematical model to explore microbial processes and their constraints in phytoplankton colonies and sinking marine aggregates. <i>Science Advances</i> , 2018, 4, eaat1991.	10.3	20
11	The Kinetics and Phase Patterns in a Ternary Mixture Coupled with Chemical Reaction of A + B C. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10091-10100.	2.6	18
12	Surface enrichment effect on the morphological transitions induced by directional quenching for binary mixtures. <i>Journal of Chemical Physics</i> , 2000, 113, 719-727.	3.0	16
13	In Search of a Field-Based Relationship Between Benthic Macrofauna and Biogeochemistry in a Modern Brackish Coastal Sea. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	15
14	Stable Barium Isotope Dynamics During Estuarine Mixing. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095680.	4.0	15
15	Post-depositional manganese mobilization during the last glacial period in sediments of the eastern Clarion-Clipperton Zone, Pacific Ocean. <i>Earth and Planetary Science Letters</i> , 2020, 532, 116012.	4.4	13
16	Stokesâ€™ paradox: creeping flow past a two-dimensional cylinder in an infinite domain. <i>Journal of Fluid Mechanics</i> , 2017, 817, 374-387.	3.4	12
17	Solute Reservoirs Reflect Variability of Early Diagenetic Processes in Temperate Brackish Surface Sediments. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	12
18	Carbon diagenesis in different sedimentary environments of the subtropical Beibu Gulf, South China Sea. <i>Journal of Marine Systems</i> , 2018, 186, 68-84.	2.1	12

#	ARTICLE	IF	CITATIONS
19	A Multi-Tracer Study of Fresh Water Sources for a Temperate Urbanized Coastal Bay (Southern Baltic) Tj ETQq1 1 0,784314 rgBT /Overl 3.3	3.3	12
20	Holocene Hydrographic Variations From the Baltic-North Sea Transitional Area (IODP Site M0059). Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003722.	2.9	8
21	Settling of highly porous and impermeable particles in linear stratification: implications for marine aggregates. Journal of Fluid Mechanics, 2022, 931, .	3.4	8
22	Porosity variation below a fluid-porous interface. Chemical Engineering Science, 2014, 107, 311-316.	3.8	7
23	Acceleration of steady-state lattice Boltzmann simulations for exterior flows. Physical Review E, 2008, 78, 056701.	2.1	6
24	Microbial Alkalinity Production and Silicate Alteration in Methane Charged Marine Sediments: Implications for Porewater Chemistry and Diagenetic Carbonate Formation. Frontiers in Earth Science, 2022, 9, .	1.8	6
25	Dynamic solute release from marine aggregates. Limnology & Oceanography Fluids & Environments, 2012, 2, 109-120.	1.7	4
26	Lattice Boltzmann model for exterior flows with an annealing preconditioning method. Physical Review E, 2009, 79, 066701.	2.1	3
27	Solidification of Binary Alloys with Compositional Stresses-A Phase-Field Approach. , 0, , 297-309.		0