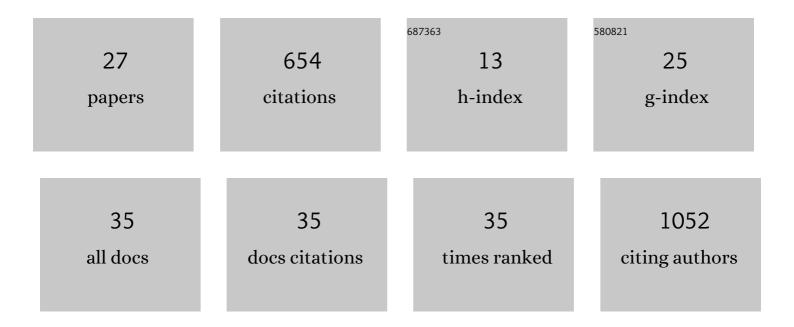
## Bo Liu

## List of Publications by Year in descending order

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Bolu

#	Article	IF	CITATIONS
1	Settling of highly porous and impermeable particles in linear stratification: implications for marine aggregates. Journal of Fluid Mechanics, 2022, 931, .	3.4	8
2	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
3	Stable Barium Isotope Dynamics During Estuarine Mixing. Geophysical Research Letters, 2021, 48, e2021GL095680.	4.0	15

A Multi-Tracer Study of Fresh Water Sources for a Temperate Urbanized Coastal Bay (Southern Baltic) Tj ETQq0 0 0.38BT /Overlock 10 Tr

•		0.0	12
5	Post-depositional manganese mobilization during the last glacial period in sediments of the eastern Clarion-Clipperton Zone, Pacific Ocean. Earth and Planetary Science Letters, 2020, 532, 116012.	4.4	13
6	Holocene Hydrographic Variations From the Balticâ€North Sea Transitional Area (IODP Site M0059). Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003722.	2.9	8
7	Factors controlling the carbon isotope composition of dissolved inorganic carbon and methane in marine porewater: An evaluation by reaction-transport modelling. Journal of Marine Systems, 2019, 200, 103227.	2.1	35
8	Sulfate deprivation triggers high methane production in a disturbed and rewetted coastal peatland. Biogeosciences, 2019, 16, 1937-1953.	3.3	29
9	Solute Reservoirs Reflect Variability of Early Diagenetic Processes in Temperate Brackish Surface Sediments. Frontiers in Marine Science, 2018, 5, .	2.5	12
10	A new mathematical model to explore microbial processes and their constraints in phytoplankton colonies and sinking marine aggregates. Science Advances, 2018, 4, eaat1991.	10.3	20
11	In Search of a Field-Based Relationship Between Benthic Macrofauna and Biogeochemistry in a Modern Brackish Coastal Sea. Frontiers in Marine Science, 2018, 5, .	2.5	15
12	Carbon diagenesis in different sedimentary environments of the subtropical Beibu Gulf, South China Sea. Journal of Marine Systems, 2018, 186, 68-84.	2.1	12
13	Biogeochemical impact of submarine ground water discharge on coastal surface sands of the southern Baltic Sea. Estuarine, Coastal and Shelf Science, 2017, 189, 131-142.	2.1	27
14	Stokes' paradox: creeping flow past a two-dimensional cylinder in an infinite domain. Journal of Fluid Mechanics, 2017, 817, 374-387.	3.4	12
15	Porosity variation below a fluid–porous interface. Chemical Engineering Science, 2014, 107, 311-316.	3.8	7
16	Control of sulphate and methane distributions in marine sediments by organic matter reactivity. Geochimica Et Cosmochimica Acta, 2013, 104, 183-193.	3.9	72
17	Effects of transient bottom water currents and oxygen concentrations on benthic exchange rates as assessed by eddy correlation measurements. Journal of Geophysical Research: Oceans, 2013, 118, 1157-1169.	2.6	55
18	Cyclic 100-ka (glacial-interglacial) migration of subseafloor redox zonation on the Peruvian shelf. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18098-18103.	7.1	35

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#	Article	IF	CITATIONS
19	Dynamic solute release from marine aggregates. Limnology & Oceanography Fluids & Environments, 2012, 2, 109-120.	1.7	4
20	Intensive and extensive nitrogen loss from intertidal permeable sediments of the Wadden Sea. Limnology and Oceanography, 2012, 57, 185-198.	3.1	73
21	Lattice Boltzmann model for exterior flows with an annealing preconditioning method. Physical Review E, 2009, 79, 066701.	2.1	3
22	Acceleration of steady-state lattice Boltzmann simulations for exterior flows. Physical Review E, 2008, 78, 056701.	2.1	6
23	Translational diffusion of polymer chains with excluded volume and hydrodynamic interactions by Brownian dynamics simulation. Journal of Chemical Physics, 2003, 118, 8061-8072.	3.0	76
24	The Kinetics and Phase Patterns in a Ternary Mixture Coupled with Chemical Reaction of A + B C. Journal of Physical Chemistry B, 2001, 105, 10091-10100.	2.6	18
25	The phase diagrams of mixtures of EVAL and PEG in relation to membrane formation. Journal of Membrane Science, 2000, 180, 81-92.	8.2	63
26	Surface enrichment effect on the morphological transitions induced by directional quenching for binary mixtures. Journal of Chemical Physics, 2000, 113, 719-727.	3.0	16
27	Solidification of Binary Alloys with Compositional Stresses—A Phase-Field Approach. , 0, , 297-309.		0