

Bo Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8629605/publications.pdf>

Version: 2024-02-01

27
papers

654
citations

687363
13
h-index

580821
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 | Stokes's 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 | 82 |
| 20 | Holocene Hydrographic Variations From the Balticâ€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 fluidâ€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 Stressesâ€A Phase-Field Approach. , 0, , 297-309. | | 0 |