

# Run Liu

## List of Publications by Year in descending order

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53  
papers

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citations

687363

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h-index

642732

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docs citations

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times ranked

254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical studies on global buckling of subsea pipelines. <i>Ocean Engineering</i> , 2014, 78, 62-72.	4.3	68
2	Slope stability of landfills considering leachate recirculation using vertical wells. <i>Engineering Geology</i> , 2018, 241, 76-85.	6.3	55
3	Study on lateral buckling characteristics of a submarine pipeline with a single arch symmetric initial imperfection. <i>Ocean Engineering</i> , 2015, 108, 21-32.	4.3	54
4	Laboratory tests and thermal buckling analysis for pipes buried in Bohai soft clay. <i>Marine Structures</i> , 2015, 43, 44-60.	3.8	52
5	Global lateral buckling analysis of idealized subsea pipelines. <i>Journal of Central South University</i> , 2014, 21, 416-427.	3.0	34
6	A lateral global buckling failure envelope for a high temperature and high pressure (HT/HP) submarine pipeline. <i>Applied Ocean Research</i> , 2015, 51, 117-128.	4.1	33
7	Model Test Studies on Soil Restraint to Pipeline Buried in Bohai Soft Clay. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2013, 4, 49-56.	1.6	31
8	Finite element analysis on thermal upheaval buckling of submarine burial pipelines with initial imperfection. <i>Journal of Central South University</i> , 2013, 20, 236-245.	3.0	21
9	Study on the Lateral Soil Resistance Acting on the Buried Pipeline. <i>Journal of Coastal Research</i> , 2015, 73, 391-398.	0.3	19
10	Lateral global buckling high-order mode analysis of a submarine pipeline with imperfection. <i>Applied Ocean Research</i> , 2018, 73, 107-126.	4.1	17
11	Determinate dimension of numerical simulation model in submarine pipeline global buckling analysis. <i>Ocean Engineering</i> , 2018, 152, 26-35.	4.3	17
12	The effect of a berm on the lateral resistance of a shallow pipeline buried in sand. <i>Ocean Engineering</i> , 2016, 121, 13-23.	4.3	16
13	Model test based soil spring model and application in pipeline thermal buckling analysis. <i>China Ocean Engineering</i> , 2011, 25, 507-518.	1.6	14
14	An investigation into the lateral loading response of shallow bucket foundations for offshore wind turbines through centrifuge modeling in sand. <i>Applied Ocean Research</i> , 2019, 87, 192-203.	4.1	14
15	Engineering measures for preventing upheaval buckling of buried submarine pipelines. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012, 33, 781-796.	3.6	13
16	Pit bearing capacity effect on status of soil plug during pile driving in ocean engineering. <i>China Ocean Engineering</i> , 2011, 25, 295-304.	1.6	9
17	Experimental Study on the Pipe-Soil Interface under the Influence of Pipe Jacking Stagnation Time. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 1428-1438.	1.9	9
18	Brief History of Upheaval Buckling Studies for Subsea Buried Pipeline. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2013, 4, 170-183.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Lateral Global Buckling of Submarine Pipelines Based on the Model of Nonlinear Pipe-Soil Interaction. <i>China Ocean Engineering</i> , 2018, 32, 312-322.	1.6	8
20	Three-Dimensional Explicit Dynamic Numerical Method to Simulate a Deep-Sea Pipeline Exhibiting Lateral Global Buckling. <i>International Journal of Steel Structures</i> , 2019, 19, 1393-1407.	1.3	8
21	Numerical investigation into the effects of different initial imperfections on the lateral buckling of submarine pipelines. <i>Ocean Engineering</i> , 2020, 195, 106752.	4.3	8
22	Experimental studies on the drag reduction effect of bucket foundation installation under suction pressure in sand. <i>Ships and Offshore Structures</i> , 2019, 14, 421-431.	1.9	7
23	A comparison of the bearing capacity between shallow bucket foundations and solid foundations in clay. <i>Ships and Offshore Structures</i> , 2020, 15, 722-736.	1.9	7
24	Axial pipe-soil interaction during pipeline-walking analysis of pipelines placed on Bohai sand. <i>Applied Ocean Research</i> , 2020, 99, 102133.	4.1	7
25	Experimental and theoretical studies on lateral buckling of submarine pipelines. <i>Marine Structures</i> , 2021, 78, 102983.	3.8	7
26	Study on Load-bearing Characteristics of Different Types of Pile Group Foundations for an Offshore Wind Turbine. <i>Journal of Coastal Research</i> , 2015, 73, 533-541.	0.3	6
27	Experimental study of the accumulative deformation effect on wide-shallow composite bucket foundation for offshore wind turbines. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, 063306.	2.0	6
28	Cyclic response of monopile-supported offshore wind turbines under wind and wave loading in sand. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 1230-1243.	2.1	6
29	Vertical upheaval buckling of submarine buried heated pipelines with initial imperfection. <i>Transactions of Tianjin University</i> , 2011, 17, 138-145.	6.4	5
30	Experimental and Upper-Bound Analysis of Lateral Soil Resistance for Shallow-Embedded Pipeline in Bohai Sand. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018, 9, .	1.6	5
31	Fabrication of high-capacity cation-exchangers for protein adsorption: Comparison of grafting-from and grafting-to approaches. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 120-132.	4.4	5
32	An optimised failure envelope approach of bucket foundation in undrained clay. <i>Ships and Offshore Structures</i> , 2021, 16, 42-55.	1.9	5
33	Numerical investigation to the cyclic loading effect on capacities of the offshore embedded circular foundation in clay. <i>Applied Ocean Research</i> , 2022, 119, 103022.	4.1	5
34	Staged Optimization Design for Updating Urban Drainage Systems in a City of China. <i>Water (Switzerland)</i> , 2018, 10, 66.	2.7	4
35	Study on the applicability of the strip probe in detecting the strength of soft clay. <i>Ships and Offshore Structures</i> , 2021, 16, 1-11.	1.9	4
36	Global buckling behavior of submarine unbundled pipelines under thermal stress. <i>Journal of Central South University</i> , 2013, 20, 2054-2065.	3.0	3

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37	Upper-Bound Analysis of Maximal Lateral Resistance for Pipelines without Embedment in Sand. Journal of Pipeline Systems Engineering and Practice, 2017, 8, 04017006.	1.6	3
38	The effect of spudcan footprints on the vertical bearing capacity of adjacent pile foundations. Ships and Offshore Structures, 2021, 16, 292-305.	1.9	3
39	Study of the Bearing Capacity at the Variable Cross-Section of A Riser-Surface Casing Composite Pile. China Ocean Engineering, 2021, 35, 262-271.	1.6	3
40	Calculation method for the vertical bearing capacity of a riser-surface casing composite pile. Ships and Offshore Structures, 2021, 16, 66-76.	1.9	3
41	Studies on Soil Resistance to Pipelines Buried in Sand. Advanced Materials Research, 2011, 243-249, 3151-3156.	0.3	2
42	High-order lateral buckling analysis of submarine pipeline under thermal stress. Transactions of Tianjin University, 2012, 18, 411-418.	6.4	2
43	Study on Load-Bearing Characteristics of a New Pile Group Foundation for an Offshore Wind Turbine. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	2
44	Risk assessment on a pipeline passing through a ship mooring area. China Ocean Engineering, 2014, 28, 207-214.	1.6	2
45	Finite-Element Study of Methods for Triggering Pipeline Global Buckling Based on the Concept of the Perfect VAS Length. Journal of Pipeline Systems Engineering and Practice, 2016, 7, 04015027.	1.6	2
46	Numerical modeling investigation on turbulent oscillatory flow over a plane rough bed composed by randomly arrayed particles. Acta Oceanologica Sinica, 2018, 37, 62-68.	1.0	2
47	Failure envelopes analysis for square mudmat foundations on undrained clays under three-dimensional loading. Ships and Offshore Structures, 2021, 16, 77-84.	1.9	2
48	Finite-Element Analysis of Pipelines with Axial Walking and Lateral Buckling. Journal of Pipeline Systems Engineering and Practice, 2021, 12, .	1.6	2
49	A Simplified Analysis Method for the Validity of Pipeline Rock Armour Berm Protection Design. Advanced Materials Research, 2012, 594-597, 1888-1891.	0.3	1
50	Study on Optimal Design of a Box-Culvert under Road. , 2012, , .		1
51	Physical model tests of lateral pipe-soil interaction including the pipe trajectory in sand. European Journal of Environmental and Civil Engineering, 2020, , 1-15.	2.1	1
52	Study on liquefaction behavior of saturated silt in Anhui area by dynamic triaxial test. , 2011, , .		0
53	Global Buckling of Offshore Pipelines. , 2022, , 655-667.		0