C W Li

List of Publications by Year
in descending order

60	1,149	471061	414034
60 papers	**1,149** citations	**17** h-index	**32** g-index
60 all docs	**60** docs citations	**60** times ranked	**704** citing authors

#	Article	IF	Citations
1	Spatial Flow Pattern, Multiâ€Dimensional Vortices, and Junction Momentum Exchange in a Partially Covered Submerged Canopy Flume. Water Resources Research, 2022, 58, .	1.7	10
2	Numerical study of ducted turbines in bi-directional tidal flows. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 194-209.	1.5	11
3	Hydrodynamics and bed stability of open channel flows with submerged foliaged plants. Environmental Fluid Mechanics, 2017, 17, 815-831.	0.7	4
4	Bulk drag of a regular array of emergent blade-type vegetation stems under gradually varied flow. Journal of Hydro-Environment Research, 2016, 12, 59-69.	1.0	9
5	Hydraulic interception efficiency of gully gratings on steep roads. HKIE Transactions, 2015, 22, 192-198.	1.9	12
6	Simulation of Flows through Submerged Vegetation Patches Using Macroscopic Turbulence Models. Procedia Engineering, 2015, 126, 315-320.	1.2	1
7	Experimental study of depth-limited open-channel flows over a gravel bed. International Journal of Sediment Research, 2015, 30, 160-166.	1.8	1
8	A hydraulic roughness model for submerged flexible vegetation with uncertainty estimation. Journal of Hydro-Environment Research, 2015, 9, 268-280.	1.0	17
9	DANS model for vegetated open channel flows. Journal of Hydraulic Research/De Recherches Hydrauliques, 2015, 53, 699-713.	0.7	3
10	Measurements and modeling of open-channel flows with finite semi-rigid vegetation patches. Environmental Fluid Mechanics, 2014, 14, 113-134.	0.7	45
11	Depth-averaged modeling of free surface flows in open channels with emerged and submerged vegetation. Applied Mathematical Modelling, 2013, 37, 540-553.	2.2	28
12	Modeling flows over gravel beds by a drag force method and a modified Sâ€"A turbulence closure. Advances in Water Resources, 2012, 46, 84-95.	1.7	10
13	Modeling Flows over Gravel Beds by a Body Force Method. , 2011, , .		0
14	CHARACTERISTIC BEHAVIOURS OF A VERTICAL ROUND JET UNDER DIFFERENT SPECTRAL WAVES. , 2011, , 998-1005.		0
15	Numerical modeling of free surface flow over submerged and highly flexible vegetation. Advances in Water Resources, 2011, 34, 468-477.	1.7	47
16	Flow division at a channel crossing with subcritical or supercritical flow. International Journal for Numerical Methods in Fluids, 2010, 62, 56-73.	0.9	9
17	A 3D non-linear kâ€"îµ turbulent model for prediction of flow and mass transport in channel with vegetation. Applied Mathematical Modelling, 2010, 34, 1021-1031.	2.2	37
18	3D modelling of hydrodynamics and mixing in a vegetation field under waves. Computers and Fluids, 2010, 39, 604-614.	1.3	27

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19	Hybrid LES/RANS modelling of free surface flow through vegetation. Computers and Fluids, 2010, 39, 1722-1732.	1.3	15
20	A hybrid RANS-LES model for combining flows in open-channel T-junctions. Journal of Hydrodynamics, 2010, 22, 154-159.	1.3	20
21	Numerical modeling of shallow water flow around arrays of emerged cylinders. Journal of Hydro-Environment Research, 2010, 4, 115-121.	1.0	11
22	3D Numerical modelling of flow divisions at open channel junctions with or without vegetation. Advances in Water Resources, 2009, 32, 49-60.	1.7	45
23	Hydrauic Jumps in a Channel Crossing-A Numerical Approach. , 2009, , 1784-1789.		0
24	Experimental Study on Instantaneous Discharge of Unsorted Particle Cloud in Cross-Flow. Journal of Hydrodynamics, 2008, 20, 10-16.	1.3	12
25	Numerical Modeling of a Round Jet Discharged into Random Waves. Ocean Engineering, 2008, 35, 77-89.	1.9	21
26	Numerical Investigation of Wave–Current–Vegetation Interaction. Journal of Hydraulic Engineering, 2007, 133, 794-803.	0.7	100
27	Correlation of extreme waves and water levels using a third-generation wave model and a 3D flow model. Ocean Engineering, 2006, 33, 635-653.	1.9	6
28	Modeling instantaneous discharge of unsorted particle cloud in ambient water by an Eulerian–Lagrangian method. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 399-405.	0.7	1
29	Directionality Reduction Effect of Design Wind Loads on Hong Kong Buildings. HKIE Transactions, 2004, 11, 1-4.	1.9	2
30	An immersed boundary finite difference method for LES of flow around bluff shapes. International Journal for Numerical Methods in Fluids, 2004, 46, 85-107.	0.9	20
31	Transport of Pollutant in Open Channel with Short Waves. Environmental Fluid Mechanics, 2003, 3, 235-248.	0.7	0
32	Wave–current interaction with a vertical square cylinder. Ocean Engineering, 2003, 30, 855-876.	1.9	51
33	Large eddy simulation of diffusion of a buoyancy source in ambient water. Applied Mathematical Modelling, 2003, 27, 649-663.	2.2	7
34	Large eddy simulation of dispersion in free surface shear flow. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 351-358.	0.7	5
35	A ?-coordinate three-dimensional numerical model for surface wave propagation. International Journal for Numerical Methods in Fluids, 2002, 38, 1045-1068.	0.9	163
36	Large eddy simulation of free surface turbulent flow in partly vegetated open channels. International Journal for Numerical Methods in Fluids, 2002, 39, 919-937.	0.9	72

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37	Knowledge management system on flow and water quality modeling. Expert Systems With Applications, 2002, 22, 321-330.	4.4	59
38	A sigma coordinate 3D k–ε model for turbulent free surface flow over a submerged structure. Applied Mathematical Modelling, 2002, 26, 1139-1150.	2.2	15
39	3D numerical simulation of ambient discharge of buoyant water. Applied Mathematical Modelling, 2001, 25, 375-384.	2.2	6
40	3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water. Journal of Hydraulic Engineering, 2001, 127, 209-218.	0.7	9
41	3D layered-integrated modelling of mass exchange in semi-enclosed water bodies. Journal of Hydraulic Research/De Recherches Hydrauliques, 2001, 39, 403-411.	0.7	13
42	Large eddy simulation of free surface shallow-water flow. International Journal for Numerical Methods in Fluids, 2000, 34, 31-46.	0.9	16
43	Large eddy simulation of free surface shallow-water flow. , 2000, 34, 31.		1
44	Simulation of free surface recirculating flows in semi-enclosed water bodies by a k–ε model. Applied Mathematical Modelling, 1998, 22, 153-164.	2.2	7
45	Instantaneous Discharge of Buoyant Fluid in Cross-Flow. Journal of Hydraulic Engineering, 1998, 124, 1161-1176.	0.7	11
46	Convection of particle thermals. Journal of Hydraulic Research/De Recherches Hydrauliques, 1997, 35, 363-376.	0.7	36
47	Modelling variably saturated flow and solute transport into sandy soil. Journal of Hydrology, 1996, 186, 315-325.	2.3	9
48	Three‐dimensional simulation of thermals using a split‐operator scheme. International Journal of Numerical Methods for Heat and Fluid Flow, 1996, 6, 25-35.	1.6	12
49	NUMERICAL INVESTIGATION OF TURBULENT SHALLOW RECIRCULATING FLOWS BY A QUASI-THREE-DIMENSIONAL k-ε MODEL. International Journal for Numerical Methods in Fluids, 1996, 23, 485-501.	0.9	16
50	Depth integrated modelling of tide induced circulation in a square harbour. Journal of Hydraulic Research/De Recherches Hydrauliques, 1995, 33, 321-332.	0.7	16
51	Conservative Characteristics‐Based Schemes for Mass Transport. Journal of Hydraulic Engineering, 1994, 120, 1089-1099.	0.7	14
52	Efficient higher-order backward characteristics schemes for transient advection. International Journal for Numerical Methods in Fluids, 1994, 19, 997-1012.	0.9	14
53	Error study on numerical approximation of radiation boundary condition for one-dimensional wave equation. Communications in Numerical Methods in Engineering, 1993, 9, 475-482.	1.3	9
54	A simplified Newton Iteration Method with linear finite elements for transient unsaturated flow. Water Resources Research, 1993, 29, 965-971.	1.7	20

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55	Spectral modelling of typhoon-generated waves in shallow waters. Journal of Hydraulic Research/De Recherches Hydrauliques, 1992, 30, 611-622.	0.7	10
56	Stability and accuracy control in ocean wave model using stack filter. Ocean Engineering, 1992, 19, 343-348.	1.9	0
57	Fractional step solution to slack tide oxygen balance equation. Communications in Applied Numerical Methods, 1992, 8, 93-98.	0.5	2
58	Line momentum source in cross-flow. International Journal of Engineering Science, 1991, 29, 1409-1418.	2.7	4
59	Advection-dispersion simulation by minimization characteristics and alternate direction-explicit methods. Applied Mathematical Modelling, 1991, 15, 616-623.	2.2	10
60	Least-squares characteristics and finite elements for advection-dispersion simulation. International Journal for Numerical Methods in Engineering, 1990, 29, 1343-1358.	1.5	18