Adrian Wing-Keung Law

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188 papers	6,185 citations	38 h-index	73 g-index
197 ext. papers	7,247 ext. citations	5.3 avg, IF	6.55 L-index

#	Paper	IF	Citations
188	Fluid-structural analysis of modular floating solar farms under wave motion. *Solar Energy*, **2022**, 233, 161-181	6.8	0
187	Surface wave interaction with a vertical viscoelastic barrier. *Applied Ocean Research*, **2022**, 120, 103073	3.4	0
186	Application of molecular dynamics simulation in thermal problems **2022**, 183-235		
185	Application of molecular dynamics simulation in mass transport problems **2022**, 237-314		
184	Reducing emissions of atmospheric pollutants along major dry bulk and tanker routes through autonomous shipping. *Journal of Environmental Management*, **2022**, 302, 114080	7.9	0
183	Performance of Dual Viscoelastic Wave Barrier System with Unequal Draft. *Journal of Engineering Mechanics - ASCE*, **2022**, 148,	2.4	2
182	Determination of surface film thickness of heavy fuel oil using hyperspectral imaging and deep neural networks. *International Journal of Remote Sensing*, **2022**, 43, 997-1014	3.1	2
181	Combined Anomaly Detection Framework for Digital Twins of Water Treatment Facilities. *Water (Switzerland)*, **2022**, 14, 1001	3	1
180	PAC-UF Process Improving Surface Water Treatment: PAC Effects and Membrane Fouling Mechanism. *Membranes*, **2022**, 12, 487	3.8	
179	A Framework for Survey Planning Using Portable Unmanned Aerial Vehicles (pUAVs) in Coastal Hydro-Environment. *Remote Sensing*, **2022**, 14, 2283	5	
178	Modelling of Melting in Packed Media due to Forced Air Convection with Higher Temperature using Euler-Euler-Lagrangian approach. *International Journal of Heat and Mass Transfer*, **2022**, 194, 123055	4.9	1
177	Assessment of COVID-19 pandemic effects on ship pollutant emissions in major international seaports. *Environmental Research*, **2021**, 112246	7.9	1
176	Stabilisation of compliant floating platforms with sheet barriers under wave action. *Ocean Engineering*, **2021**, 240, 109933	3.9	1
175	Zeolitic imidazolate frameworks as capacitive deionization electrodes for water desalination and Cr(VI) adsorption: A molecular simulation study. *Applied Surface Science*, **2021**, 546, 149080	6.7	10
174	Remote sensing of coastal hydro-environment with portable unmanned aerial vehicles (pUAVs) a state-of-the-art review. *Journal of Hydro-Environment Research*, **2021**,	2.3	2
173	Mixing characteristics of 45° inclined duckbill dense jets in co-flowing currents. *Journal of Hydro-Environment Research*, **2021**, 36, 77-86	2.3	
172	Laser-Induced Annealing of Metal–Organic Frameworks on Conductive Substrates for Electrochemical Water Splitting. *Advanced Functional Materials*, **2021**, 31, 2102648	15.6	14

171	Assessment of atmospheric pollutant emissions with maritime energy strategies using bayesian simulations and time series forecasting. *Environmental Pollution*, **2021**, 270, 116068	9.3	8
170	Laser-Assisted Printing of Electrodes Using Metal Organic Frameworks for Micro-Supercapacitors. *Advanced Functional Materials*, **2021**, 31, 2009057	15.6	30
169	Surface wave interactions with submerged horizontal viscoelastic sheets. *Applied Ocean Research*, **2021**, 107, 102483	3.4	4
168	Application of Coagulation-Membrane Rotation to Improve Ultrafiltration Performance in Drinking Water Treatment. *Membranes*, **2021**, 11,	3.8	1
167	Simulations of Melting in Fluid-filled Packed Media due to Forced Convection with Higher Temperature. *International Journal of Heat and Mass Transfer*, **2021**, 175, 121358	4.9	2
166	Abatement of atmospheric pollutant emissions with autonomous shipping in maritime transportation using Bayesian probabilistic forecasting. *Atmospheric Environment*, **2021**, 261, 118593	5.3	2
165	Soft sensing of water depth in combined sewers using LSTM neural networks with missing observations. *Journal of Hydro-Environment Research*, **2021**, 38, 106-116	2.3	5
164	Solid Waste Incineration Modelling for Advanced Moving Grate Incinerators. *Sustainability*, **2020**, 12, 8007	3.6	2
163	Characterization of two carbon allotropes, cyclicgraphene and graphenylene, as semi-permeable materials for membranes. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2020**, 259, 114569	3.1	15
162	Spreading and Deposition of Turbidity Currents: Application to Open-Water Sediment Disposal. *Journal of Waterway, Port, Coastal and Ocean Engineering*, **2020**, 146, 04020002	1.7	1
161	Evaporation Kinetics of Nano Water Droplets using Coarse-Grained Molecular Dynamic Simulations. *International Journal of Heat and Mass Transfer*, **2020**, 156, 119884	4.9	3
160	Optimizing Speedup Performance of Computational Hydrodynamic Simulations with UPC Programming Model. *Journal of Computing in Civil Engineering*, **2020**, 34, 06020001	5	2
159	Experimental study on surface wave modifications by different ice covers. *Cold Regions Science and Technology*, **2020**, 174, 103042	3.8	7
158	Application of feed flow reversal for nanofiltration of highly concentrated industrial wastewaters. *Desalination*, **2020**, 485, 114462	10.3	2
157	Metal-organic framework-derived nanocomposites for electrocatalytic hydrogen evolution reaction. *Progress in Materials Science*, **2020**, 108, 100618	42.2	93
156	Application of coagulation-ultrafiltration-nanofiltration in a pilot study for Tai Lake water treatment. *Water Environment Research*, **2020**, 92, 579-587	2.8	7
155	Homogenization theory with multiscale perturbation analysis for supervised learning of complex adsorption-desorption process in porous-media systems. *Journal of Computational Science*, **2020**, 40, 101071	3.4	2
154	Ionised graphene oxide membranes for seawater desalination. *Desalination*, **2020**, 496, 114637	10.3	9

153	An experimental study of gravity waves through segmented floating viscoelastic covers. *Applied Ocean Research*, **2020**, 101, 102233	3.4	3
152	Recent Progress on Polymer Materials for Additive Manufacturing. *Advanced Functional Materials*, **2020**, 30, 2003062	15.6	162
151	Atomistic simulation study of GO/HKUST-1 MOF membranes for seawater desalination via pervaporation. *Applied Surface Science*, **2020**, 503, 144198	6.7	25
150	Quantitative Risk Assessment of Seafarers' Nonfatal Injuries Due to Occupational Accidents Based on Bayesian Network Modeling. *Risk Analysis*, **2020**, 40, 8-23	3.9	8
149	Taylor Dispersion of Contaminants by Dual-peak Spectral Random Waves. *China Ocean Engineering*, **2019**, 33, 537-543	1.1	1
148	3D Printing of Mixed Matrix Films Based on Metal-Organic Frameworks and Thermoplastic Polyamide 12 by Selective Laser Sintering for Water Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 40564-40574	9.5	46
147	Numerical modeling of municipal waste bed incineration. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 504-522	4.5	4
146	Surface morphology effect on the evaporation of water on graphene oxide: A molecular dynamics study. *Applied Surface Science*, **2019**, 488, 335-342	6.7	14
145	A second-order integral model for buoyant jets with background homogeneous and isotropic turbulence. *Journal of Fluid Mechanics*, **2019**, 871, 271-304	3.7	4
144	Molecular Insights into the Composition-Structure-Property Relationships of Polyamide Thin Films for Reverse Osmosis Desalination. *Environmental Science & Technology*, **2019**, 53, 6374-6382	10.3	16
143	Feature engineering using homogenization theory with multiscale perturbation analysis for supervised model-based learning of physical clogging condition in seepage filters. *Journal of Computational Science*, **2019**, 32, 21-35	3.4	4
142	An Experimental Study on Surface Wave Modulation Due to Viscoelastic Bottom. *Lecture Notes in Civil Engineering*, **2019**, 199-206	0.3	
141	Turbulence characteristics of 45° inclined dense jets. *Environmental Fluid Mechanics*, **2019**, 19, 27-54	2.2	14
140	Carbon–metal compound composite electrodes for capacitive deionization: synthesis, development and applications. *Journal of Materials Chemistry A*, **2019**, 7, 26693-26743	13	39
139	Mixing characteristics of inclined dense jets with different nozzle geometries. *Journal of Hydro-Environment Research*, **2019**, 27, 116-128	2.3	3
138	Polymeric composites for powder-based additive manufacturing: Materials and applications. *Progress in Polymer Science*, **2019**, 91, 141-168	29.6	201
137	Computational Flood Modeling with UPC Architecture. *Journal of Computing in Civil Engineering*, **2019**, 33, 04019002	5	3
136	Recent progress on graphene-analogous 2D nanomaterials: Properties, modeling and applications. *Progress in Materials Science*, **2019**, 100, 99-169	42.2	160

135	Graphene nanoribbon as an elastic damper. *Nanotechnology*, **2018**, 29, 215704	3.4	17
134	Study on Recirculation Between Intakes and Outfalls of Desalination Plants. *Springer Water*, **2018**, 795-801	0.3	0
133	Improved Light Attenuation Method for 2D Data Acquisition of Sediment Depths. *Journal of Hydraulic Engineering*, **2018**, 144, 04018028	1.8	1
132	DRFM hybrid model to optimize energy performance of pre-treatment depth filters in desalination facilities. *Applied Energy*, **2018**, 220, 576-597	10.7	2
131	Mass Loss to the Trailing Stem of a Sediment Cloud. *Journal of Hydraulic Engineering*, **2018**, 144, 06018003	1.8	2
130	Molecular dynamics study of water evaporation enhancement through a capillary graphene bilayer with tunable hydrophilicity. *Applied Surface Science*, **2018**, 452, 372-380	6.7	22
129	Coarse-grained molecular dynamics study of membrane distillation through meso-size graphene channels. *Journal of Membrane Science*, **2018**, 558, 34-44	9.6	19
128	Mixing behavior of 45° inclined dense jets in currents. *Journal of Hydro-Environment Research*, **2018**, 18, 37-48	2.3	10
127	CFD analyses of the wind drags on Khaya Senegalensis and Eugenia Grandis. *Urban Forestry and Urban Greening*, **2018**, 34, 29-43	5.4	5
126	Wave interactions with circular ice ridge embedded in level ice. *Cold Regions Science and Technology* , **2018**, 155, 90-99	3.8	3
125	Interaction of longitudinal phonons with discrete breather in strained graphene. *European Physical Journal B*, **2018**, 91, 1	1.2	9
124	High Performance Computational Hydrodynamic Simulations: UPC Parallel Architecture as a Future Alternative. *Lecture Notes in Computer Science*, **2018**, 444-455	0.9	1
123	Metal-Organic-Framework-Based Catalysts for Photoreduction of CO. *Advanced Materials*, **2018**, 30, e1705512	21	265
122	Multiscale Homogenization of Pre-treatment Rapid and Slow Filtration Processes with Experimental and Computational Validations. *Lecture Notes in Computer Science*, **2018**, 833-845	0.9	0
121	Electrical and thermal conductivities of MWCNT/polymer composites fabricated by selective laser sintering. *Composites Part A: Applied Science and Manufacturing*, **2018**, 105, 203-213	8.4	81
120	Strained single-layer C2N membrane for efficient seawater desalination via forward osmosis: A molecular dynamics study. *Journal of Membrane Science*, **2018**, 550, 554-562	9.6	43
119	Mixing of swirling inclined dense jets A numerical study. *Journal of Hydro-Environment Research*, **2018**, 21, 118-130	2.3	6
118	An experimental study on gravity waves through a floating viscoelastic cover. *Cold Regions Science and Technology*, **2018**, 155, 289-299	3.8	16

117	A Cobalt-Based Metal-Organic Framework as Cocatalyst on BiVO Photoanode for Enhanced Photoelectrochemical Water Oxidation. *ChemSusChem*, **2018**, 11, 2710-2716	8.3	50
116	Large eddy simulations of 45° and 60° inclined dense jets with bottom impact. *Journal of Hydro-Environment Research*, **2017**, 15, 54-66	2.3	27
115	Transport of salty water through graphene bilayer in an electric field: A molecular dynamics study. *Computational Materials Science*, **2017**, 131, 100-107	3.2	23
114	Control of Nanoplane Orientation in voBN for High Thermal Anisotropy in a Dielectric Thin Film: A New Solution for Thermal Hotspot Mitigation in Electronics. *ACS Applied Materials & Interfaces*, **2017**, 9, 7456-7464	9.5	9
113	Thermionic Energy Conversion Based on Graphene van der Waals Heterostructures. *Scientific Reports*, **2017**, 7, 46211	4.9	46
112	Thermal Conductivity and Tensile Response of Phosphorene Nanosheets with Vacancy Defects. *Journal of Physical Chemistry C*, **2017**, 121, 13876-13887	3.8	39
111	A review of the current status of small-scale seawater reverse osmosis desalination. *Water International*, **2017**, 42, 618-631	2.4	15
110	Ultrafast permeation of seawater pervaporation using single-layered CN via strain engineering. *Physical Chemistry Chemical Physics*, **2017**, 19, 15973-15979	3.6	16
109	Corrugated graphene layers for sea water desalination using capacitive deionization. *Physical Chemistry Chemical Physics*, **2017**, 19, 8552-8562	3.6	20
108	Graphene membranes with nanoslits for seawater desalination via forward osmosis. *Physical Chemistry Chemical Physics*, **2017**, 19, 30551-30561	3.6	30
107	Pressure-driven water permeation through multilayer graphene nanosheets. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1700074	1.3	14
106	Fouling of submerged hollow fiber membrane filtration in turbulence: Statistical dependence and cost-benefit analysis. *Journal of Membrane Science*, **2017**, 521, 43-52	9.6	9
105	Flow patterns and mixing characteristics of horizontal buoyant jets at low and moderate Reynolds numbers. *International Journal of Heat and Mass Transfer*, **2017**, 105, 831-846	4.9	13
104	An experimental study on the interactions between surface waves and floating viscoelastic covers. *Wave Motion*, **2017**, 70, 195-208	1.8	18
103	Influence of backwashing on the pore size of hollow fiber ultrafiltration membranes. *Journal of Membrane Science*, **2017**, 521, 33-42	9.6	33
102	Modelling clogging dynamism within dual-media pre-treatment rapid filters in seawater desalination. *Energy Procedia*, **2017**, 143, 466-474	2.3	
101	Deployment of Recyclable Polycarbonate as Alternative Coarse Media in Dual-media Rapid Filters. *Energy Procedia*, **2017**, 143, 475-480	2.3	1
100	Pressure-driven water permeation through multilayer graphene nanosheets (Phys. Status Solidi B 10/2017). *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1770254	1.3	2

99	Spreading Hypothesis of a Particle Plume. *Journal of Hydraulic Engineering*, **2016**, 142, 04016065	1.8	18
98	Cobalt diselenide nanoparticles embedded within porous carbon polyhedra as advanced electrocatalyst for oxygen reduction reaction. *Journal of Power Sources*, **2016**, 330, 132-139	8.9	31
97	Industrial water treatment and industrial marine outfalls: Achieving the right balance. *Frontiers of Chemical Science and Engineering*, **2016**, 10, 472-479	4.5	9
96	Modeling and experiments of polydisperse particle clouds. *Environmental Fluid Mechanics*, **2016**, 16, 875-898	2.2	13
95	Coordination polymer-derived mesoporous Co3O4 hollow nanospheres for high-performance lithium-ions batteries. *RSC Advances*, **2016**, 6, 50846-50850	3.7	12
94	Large eddy simulations of 45° inclined dense jets. *Environmental Fluid Mechanics*, **2016**, 16, 101-121	2.2	33
93	Fouling control of submerged hollow fibre membrane bioreactor with transverse vibration. *Journal of Membrane Science*, **2016**, 505, 216-224	9.6	26
92	Molecular dynamics study of pressure-driven water transport through graphene bilayers. *Physical Chemistry Chemical Physics*, **2016**, 18, 1886-1896	3.6	74
91	Analytical Study on Drift of Small Floating Objects under Regular Waves. *Journal of Engineering Mechanics - ASCE*, **2016**, 142, 06016002	2.4	1
90	Channel morphology effect on water transport through graphene bilayers. *Scientific Reports*, **2016**, 6, 38583	4.9	28
89	Effect of turbulence on fouling control of submerged hollow fibre membrane filtration. *Water Research*, **2016**, 99, 101-111	12.5	34
88	Motion response of immersing tunnel element under random waves. *Ships and Offshore Structures*, **2016**, 11, 561-574	1.4	10
87	Open-Water Disposal of Barged Sediments. *Journal of Waterway, Port, Coastal and Ocean Engineering*, **2016**, 142, 04016006	1.7	4
86	Highly enhanced thermal conductivity of thermoplastic nanocomposites with a low mass fraction of MWCNTs by a facilitated latex approach. *Composites Part A: Applied Science and Manufacturing*, **2016**, 90, 699-710	8.4	60
85	Longitudinal dispersion of turbulent oscillatory pipe flows. *Environmental Fluid Mechanics*, **2015**, 15, 563-593	2.2	5
84	In-situ formation of hollow hybrids composed of cobalt sulfides embedded within porous carbon polyhedra/carbon nanotubes for high-performance lithium-ion batteries. *Advanced Materials*, **2015**, 27, 3038-44	24	534
83	Thermal transport in a graphene-MoS2 bilayer heterostructure: a molecular dynamics study. *RSC Advances*, **2015**, 5, 29193-29200	3.7	71
82	A general approach towards multi-faceted hollow oxide composites using zeolitic imidazolate frameworks. *Nanoscale*, **2015**, 7, 965-74	7.7	49

81	Large eddy simulations of turbulent circular wall jets. *International Journal of Heat and Mass Transfer*, **2015**, 80, 72-84	4.9	11
80	A numerical and analytical study of the effect of aspect ratio on the behavior of a round thermal. *Environmental Fluid Mechanics*, **2015**, 15, 85-108	2.2	18
79	From flat graphene to bulk carbon nanostructures. *Physica Status Solidi (B): Basic Research*, **2015**, 252, 1502-1507	1.3	32
78	Scaling Particle Cloud Dynamics: From Lab to Field. *Journal of Hydraulic Engineering*, **2015**, 141, 06015006	1.8	10
77	MOFs-derived copper sulfides embedded within porous carbon octahedra for electrochemical capacitor applications. *Chemical Communications*, **2015**, 51, 3109-12	5.8	135
76	Interfacial thermal conductance of a silicene/graphene bilayer heterostructure and the effect of hydrogenation. *ACS Applied Materials & Interfaces*, **2014**, 6, 18180-8	9.5	99
75	Interface thermal conductance and rectification in hybrid graphene/silicene monolayer. *Carbon*, **2014**, 79, 236-244	10.4	93
74	Dispersion in oscillatory electro-osmotic flow through a parallel-plate channel with kinetic sorptive exchange at walls. *Journal of Hydrodynamics*, **2014**, 26, 363-373	3.3	14
73	Porous Spinel Zn(x)Co(3-x)O(4) hollow polyhedra templated for high-rate lithium-ion batteries. *ACS Nano*, **2014**, 8, 6297-303	16.7	357
72	Large-Eddy Simulation (LES) of settling particle cloud dynamics. *International Journal of Multiphase Flow*, **2014**, 67, 65-75	3.6	22
71	Submerged hollow fibre membrane filtration with transverse and longitudinal vibrations. *Journal of Membrane Science*, **2014**, 455, 83-91	9.6	31
70	Generalized criterion for the onset of particle deposition in crossflow microfiltration via DOTM □ Modeling and experimental validation. *Journal of Membrane Science*, **2014**, 457, 128-138	9.6	11
69	Zeolitic imidazolate framework 67-derived high symmetric porous Co□□ hollow dodecahedra with highly enhanced lithium storage capability. *Small*, **2014**, 10, 1932-8	11	403
68	Formation of particle clouds. *Journal of Fluid Mechanics*, **2014**, 746, 193-213	3.7	16
67	Thermal conductivity of silicene nanosheets and the effect of isotopic doping. *Journal Physics D: Applied Physics*, **2014**, 47, 165301	3	41
66	Mixing of 30° and 45° Inclined Dense Jets in Shallow Coastal Waters. *Journal of Hydraulic Engineering*, **2014**, 140, 241-253	1.8	30
65	Wave power extraction from a bottom-mounted oscillating water column converter with a V-shaped channel. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2014**, 470, 20140074	2.4	24
64	MOF-templated formation of porous CuO hollow octahedra for lithium-ion battery anode materials. *Journal of Materials Chemistry A*, **2013**, 1, 11126	13	314

63	Hydrodynamic effects of air sparging on hollow fiber membranes in a bubble column reactor. *Water Research*, **2013**, 47, 3762-72	12.5	36
62	Hydrodynamic analysis of vibrating hollow fibre membranes. *Journal of Membrane Science*, **2013**, 429, 304-312	9.6	22
61	Wave power extraction by an axisymmetric oscillating-water-column converter supported by a coaxial tube-sector-shaped structure. *Applied Ocean Research*, **2013**, 42, 114-123	3.4	28
60	Discrete breathers in hydrogenated graphene. *Journal Physics D: Applied Physics*, **2013**, 46, 305302	3	51
59	Two-phase modeling of sediment clouds. *Environmental Fluid Mechanics*, **2013**, 13, 435-463	2.2	16
58	An experimental study of a floating breakwater with asymmetric pneumatic chambers for wave energy extraction. *Applied Energy*, **2013**, 106, 222-231	10.7	151
57	Dynamics of Particle Clouds in Ambient Currents with Application to Open-Water Sediment Disposal. *Journal of Hydraulic Engineering*, **2013**, 139, 114-123	1.8	17
56	Fouling control of submerged hollow fibre membranes by vibrations. *Journal of Membrane Science*, **2013**, 427, 230-239	9.6	65
55	Non-interfering multiport brine diffusers in shallow coastal waters. *Journal of Applied Water Engineering and Research*, **2013**, 1, 148-157	1.2	4
54	Hydrodynamic performance of a rectangular floating breakwater with and without pneumatic chambers: An experimental study. *Ocean Engineering*, **2012**, 51, 16-27	3.9	83
53	Discrete breather clusters in strained graphene. *Europhysics Letters*, **2012**, 100, 36005	1.6	62
52	Morphology and in-plane thermal conductivity of hybrid graphene sheets. *Applied Physics Letters*, **2012**, 101, 211909	3.4	47
51	Unidirectional ripples in strained graphene nanoribbons with clamped edges at zero and finite temperatures. *Physical Review B*, **2012**, 86,	3.3	56
50	On the significance of recirculation between intakes and outfalls of desalination and thermal power plants. *Desalination and Water Treatment*, **2012**, 42, 304-308		2
49	Effect of air release height on the formation of sediment thermals in water. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2012**, 50, 532-540	1.9	17
48	Boundary impingement and attachment of horizontal offset dense jets. *Journal of Hydro-Environment Research*, **2011**, 5, 15-24	2.3	11
47	Large-eddy simulation of starting buoyant jets. *Environmental Fluid Mechanics*, **2011**, 11, 591-609	2.2	19
46	Taylor dispersion of contaminants by random waves. *Journal of Engineering Mathematics*, **2011**, 70, 389-397	1.2	4

45	Modulation of stochastic diffusion by wave motion. *Probabilistic Engineering Mechanics*, **2011**, 26, 142-147	2.6	4
44	Pinch-off and formation number of negatively buoyant jets. *Physics of Fluids*, **2011**, 23, 052101	4.4	11
43	Wave-induced drift of small floating objects in regular waves. *Ocean Engineering*, **2011**, 38, 712-718	3.9	30
42	Mixing and boundary interactions of 30° and 45° inclined dense jets. *Environmental Fluid Mechanics*, **2010**, 10, 521-553	2.2	84
41	Stochastic diffusion by progressive waves in turbulence. *Journal of Hydrodynamics*, **2010**, 22, 588-593	3.3	
40	SALINITY BUILD-UP DUE TO BRINE DISCHARGES INTO SHALLOW COASTAL WATERS. *Modern Physics Letters B*, **2009**, 23, 541-544	1.6	6
39	The use of Constant Temperature Anemometry for permeate flow distribution measurement in a submerged hollow fibre system. *Journal of Membrane Science*, **2009**, 339, 195-203	9.6	10
38	Buoyant formation number of a starting buoyant jet. *Physics of Fluids*, **2009**, 21, 125104	4.4	20
37	Turbulent mass and momentum transport of a circular offset dense jet. *Journal of Turbulence*, **2009**, 10, N40	2.1	6
36	Brine discharges into shallow coastal waters with mean and oscillatory tidal currents. *Journal of Hydro-Environment Research*, **2008**, 2, 91-97	2.3	11
35	Circulation and energy of the leading vortex ring in a gravity-driven starting jet. *Physics of Fluids*, **2008**, 20, 093604	4.4	7
34	Observations and measurements of wave-induced drift of surface inextensible film in deep and shallow waters. *Ocean Engineering*, **2007**, 34, 94-102	3.9	3
33	Vortex formation process in gravity-driven starting jets. *Experiments in Fluids*, **2007**, 42, 783-797	2.5	15
32	The relationship between performance of submerged hollow fibers and bubble-induced phenomena examined by particle image velocimetry. *Journal of Membrane Science*, **2007**, 304, 125-137	9.6	67
31	On Boussinesq and non-Boussinesq starting forced plumes. *Journal of Fluid Mechanics*, **2006**, 558, 357	3.7	28
30	Factors affecting the performance of a submerged hollow fiber bundle. *Journal of Membrane Science*, **2006**, 280, 969-982	9.6	74
29	Velocity and Concentration Distributions of Round and Plane Turbulent Jets. *Journal of Engineering Mathematics*, **2006**, 56, 69-78	1.2	16
28	Two-Phase Analysis of Vertical Sediment-Laden Jets. *Journal of Engineering Mechanics - ASCE*, **2005**, 131, 308-318	2.4	30

27	Vortex dynamics in starting square water jets. *Physics of Fluids*, **2005**, 17, 014106	4.4	23
26	VORTEX DYNAMICS IN STARTING SQUARE JETS(Special Nozzle). *The Proceedings of the International Conference on Jets Wakes and Separated Flows (ICJWSF)*, **2005**, 2005, 209-214		
25	Two-phase modeling of suspended sediment distribution in open channel flows. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2004**, 42, 273-281	1.9	4
24	Double Diffusive Effect on Desalination Discharges. *Journal of Hydraulic Engineering*, **2004**, 130, 450-457	1.8	12
23	Re-entrainment around a low-rise industrial building: 2D versus 3D wind tunnel study. *Atmospheric Environment*, **2004**, 38, 3817-3825	5.3	2
22	Two-phase modeling of suspended sediment distribution in open channel flows/ Modélisation diphasique de la distribution de sédiments en suspension dans un écoulement à surface libre. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2004**, 42, 273-281	1.9	18
21	Radial velocities in axisymmetric jets and plumes. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2004**, 42, 29-33	1.9	6
20	Combined Particle Image Velocimetry/Planar Laser Induced Fluorescence for Integral Modeling of Buoyant Jets. *Journal of Engineering Mechanics - ASCE*, **2003**, 129, 1189-1196	2.4	4
19	Exponential formula for computing effective viscosity. *Powder Technology*, **2003**, 129, 156-160	5.2	94
18	Wave-induced drift of an elliptical surface film. *Ocean Engineering*, **2003**, 30, 413-436	3.9	5
17	Probability distribution of bed particle instability. *Advances in Water Resources*, **2003**, 26, 427-433	4.7	19
16	Computation of transcritical steady flow over a curved bed with lateral contraction. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2003**, 41, 631-637	1.9	1
15	Fluctuations of Turbulent Bed Shear Stress. *Journal of Engineering Mechanics - ASCE*, **2003**, 129, 126-130	2.4	18
14	Closure to "An Experimental Study on Turbulent Circular Wall Jets" by Adrian Wing-Keung Law and Herlina. *Journal of Hydraulic Engineering*, **2003**, 129, 740-740	1.8	
13	Measurements of turbulent mass transport of a circular wall jet. *International Journal of Heat and Mass Transfer*, **2002**, 45, 4899-4905	4.9	12
12	Second-order integral model for a round turbulent buoyant jet. *Journal of Fluid Mechanics*, **2002**, 459, 397-428	3.7	143
11	An Experimental Study on Turbulent Circular Wall Jets. *Journal of Hydraulic Engineering*, **2002**, 128, 161-174	1.8	38
10	Measurements of Turbulence Generated by Oscillating Grid. *Journal of Hydraulic Engineering*, **2001**, 127, 201-208	1.8	39

9	Measurement of mixing processes with combined digital particle image velocimetry and planar laser induced fluorescence. *Experimental Thermal and Fluid Science*, **2000**, 22, 213-229	3	79
8	Oil Transport in Surf Zone. *Journal of Hydraulic Engineering*, **2000**, 126, 803-809	1.8	11
7	Taylor dispersion of contaminants due to surface waves. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2000**, 38, 41-48	1.9	11
6	Wind Mixing in Temperature Simulations for Lakes and Reservoirs. *Journal of Environmental Engineering, ASCE*, **1999**, 125, 420-428	2	9
5	Wave-induced surface drift of an inextensible thin film. *Ocean Engineering*, **1999**, 26, 1145-1168	3.9	14
4	Marine Tailings Disposal Simulation. *Journal of Hydraulic Engineering*, **1998**, 124, 370-383	1.8	18
3	Initiation of breakout of half-buried submarine pipe from sea bed due to wave action. *Applied Ocean Research*, **1996**, 18, 129-135	3.4	
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