

Adrian Wing-Keung Law

List of Publications by Citations

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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	In-situ formation of hollow hybrids composed of cobalt sulfides embedded within porous carbon polyhedra/carbon nanotubes for high-performance lithium-ion batteries. <i>Advanced Materials</i> , 2015 , 27, 3038-44	24	534
187	Zeolitic imidazolate framework 67-derived high symmetric porous Co ₃ O ₄ hollow dodecahedra with highly enhanced lithium storage capability. <i>Small</i> , 2014 , 10, 1932-8	11	403
186	Porous Spinel Zn(x)Co(3-x)O(4) hollow polyhedra templated for high-rate lithium-ion batteries. <i>ACS Nano</i> , 2014 , 8, 6297-303	16.7	357
185	MOF-templated formation of porous CuO hollow octahedra for lithium-ion battery anode materials. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11126	13	314
184	Metal-Organic-Framework-Based Catalysts for Photoreduction of CO. <i>Advanced Materials</i> , 2018 , 30, e1705512	26.5	265
183	Polymeric composites for powder-based additive manufacturing: Materials and applications. <i>Progress in Polymer Science</i> , 2019 , 91, 141-168	29.6	201
182	Recent Progress on Polymer Materials for Additive Manufacturing. <i>Advanced Functional Materials</i> , 2020 , 30, 2003062	15.6	162
181	Recent progress on graphene-analogous 2D nanomaterials: Properties, modeling and applications. <i>Progress in Materials Science</i> , 2019 , 100, 99-169	42.2	160
180	An experimental study of a floating breakwater with asymmetric pneumatic chambers for wave energy extraction. <i>Applied Energy</i> , 2013 , 106, 222-231	10.7	151
179	Second-order integral model for a round turbulent buoyant jet. <i>Journal of Fluid Mechanics</i> , 2002 , 459, 397-428	3.7	143
178	MOFs-derived copper sulfides embedded within porous carbon octahedra for electrochemical capacitor applications. <i>Chemical Communications</i> , 2015 , 51, 3109-12	5.8	135
177	Interfacial thermal conductance of a silicene/graphene bilayer heterostructure and the effect of hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18180-8	9.5	99
176	Exponential formula for computing effective viscosity. <i>Powder Technology</i> , 2003 , 129, 156-160	5.2	94
175	Interface thermal conductance and rectification in hybrid graphene/silicene monolayer. <i>Carbon</i> , 2014 , 79, 236-244	10.4	93
174	Metal-organic framework-derived nanocomposites for electrocatalytic hydrogen evolution reaction. <i>Progress in Materials Science</i> , 2020 , 108, 100618	42.2	93
173	Mixing and boundary interactions of 30° and 45° inclined dense jets. <i>Environmental Fluid Mechanics</i> , 2010 , 10, 521-553	2.2	84
172	Hydrodynamic performance of a rectangular floating breakwater with and without pneumatic chambers: An experimental study. <i>Ocean Engineering</i> , 2012 , 51, 16-27	3.9	83

171	Electrical and thermal conductivities of MWCNT/polymer composites fabricated by selective laser sintering. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 105, 203-213	8.4	81
170	Measurement of mixing processes with combined digital particle image velocimetry and planar laser induced fluorescence. <i>Experimental Thermal and Fluid Science</i> , 2000 , 22, 213-229	3	79
169	Molecular dynamics study of pressure-driven water transport through graphene bilayers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1886-1896	3.6	74
168	Factors affecting the performance of a submerged hollow fiber bundle. <i>Journal of Membrane Science</i> , 2006 , 280, 969-982	9.6	74
167	Thermal transport in a graphene-MoS2 bilayer heterostructure: a molecular dynamics study. <i>RSC Advances</i> , 2015 , 5, 29193-29200	3.7	71
166	The relationship between performance of submerged hollow fibers and bubble-induced phenomena examined by particle image velocimetry. <i>Journal of Membrane Science</i> , 2007 , 304, 125-137	9.6	67
165	Fouling control of submerged hollow fibre membranes by vibrations. <i>Journal of Membrane Science</i> , 2013 , 427, 230-239	9.6	65
164	Discrete breather clusters in strained graphene. <i>Europhysics Letters</i> , 2012 , 100, 36005	1.6	62
163	Highly enhanced thermal conductivity of thermoplastic nanocomposites with a low mass fraction of MWCNTs by a facilitated latex approach. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 90, 699-710	8.4	60
162	Unidirectional ripples in strained graphene nanoribbons with clamped edges at zero and finite temperatures. <i>Physical Review B</i> , 2012 , 86,	3.3	56
161	Discrete breathers in hydrogenated graphene. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 305302	3	51
160	A Cobalt-Based Metal-Organic Framework as Cocatalyst on BiVO Photoanode for Enhanced Photoelectrochemical Water Oxidation. <i>ChemSusChem</i> , 2018 , 11, 2710-2716	8.3	50
159	A general approach towards multi-faceted hollow oxide composites using zeolitic imidazolate frameworks. <i>Nanoscale</i> , 2015 , 7, 965-74	7.7	49
158	Morphology and in-plane thermal conductivity of hybrid graphene sheets. <i>Applied Physics Letters</i> , 2012 , 101, 211909	3.4	47
157	Thermionic Energy Conversion Based on Graphene van der Waals Heterostructures. <i>Scientific Reports</i> , 2017 , 7, 46211	4.9	46
156	3D Printing of Mixed Matrix Films Based on Metal-Organic Frameworks and Thermoplastic Polyamide 12 by Selective Laser Sintering for Water Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40564-40574	9.5	46
155	Strained single-layer C2N membrane for efficient seawater desalination via forward osmosis: A molecular dynamics study. <i>Journal of Membrane Science</i> , 2018 , 550, 554-562	9.6	43
154	Thermal conductivity of silicene nanosheets and the effect of isotopic doping. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 165301	3	41

153	Thermal Conductivity and Tensile Response of Phosphorene Nanosheets with Vacancy Defects. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13876-13887	3.8	39
152	Measurements of Turbulence Generated by Oscillating Grid. <i>Journal of Hydraulic Engineering</i> , 2001 , 127, 201-208	1.8	39
151	Carbon-metal compound composite electrodes for capacitive deionization: synthesis, development and applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26693-26743	13	39
150	An Experimental Study on Turbulent Circular Wall Jets. <i>Journal of Hydraulic Engineering</i> , 2002 , 128, 161-174	1.8	38
149	Hydrodynamic effects of air sparging on hollow fiber membranes in a bubble column reactor. <i>Water Research</i> , 2013 , 47, 3762-72	12.5	36
148	Effect of turbulence on fouling control of submerged hollow fibre membrane filtration. <i>Water Research</i> , 2016 , 99, 101-111	12.5	34
147	Large eddy simulations of 45° inclined dense jets. <i>Environmental Fluid Mechanics</i> , 2016 , 16, 101-121	2.2	33
146	Influence of backwashing on the pore size of hollow fiber ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2017 , 521, 33-42	9.6	33
145	From flat graphene to bulk carbon nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 1502-1507	1.3	32
144	Cobalt diselenide nanoparticles embedded within porous carbon polyhedra as advanced electrocatalyst for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2016 , 330, 132-139	8.9	31
143	Submerged hollow fibre membrane filtration with transverse and longitudinal vibrations. <i>Journal of Membrane Science</i> , 2014 , 455, 83-91	9.6	31
142	Graphene membranes with nanoslits for seawater desalination via forward osmosis. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30551-30561	3.6	30
141	Mixing of 30° and 45° Inclined Dense Jets in Shallow Coastal Waters. <i>Journal of Hydraulic Engineering</i> , 2014 , 140, 241-253	1.8	30
140	Wave-induced drift of small floating objects in regular waves. <i>Ocean Engineering</i> , 2011 , 38, 712-718	3.9	30
139	Two-Phase Analysis of Vertical Sediment-Laden Jets. <i>Journal of Engineering Mechanics - ASCE</i> , 2005 , 131, 308-318	2.4	30
138	Laser-Assisted Printing of Electrodes Using Metal-Organic Frameworks for Micro-Supercapacitors. <i>Advanced Functional Materials</i> , 2021 , 31, 2009057	15.6	30
137	Wave power extraction by an axisymmetric oscillating-water-column converter supported by a coaxial tube-sector-shaped structure. <i>Applied Ocean Research</i> , 2013 , 42, 114-123	3.4	28
136	On Boussinesq and non-Boussinesq starting forced plumes. <i>Journal of Fluid Mechanics</i> , 2006 , 558, 357	3.7	28

135	Channel morphology effect on water transport through graphene bilayers. <i>Scientific Reports</i> , 2016 , 6, 38583	4.9	28
134	Large eddy simulations of 45° and 60° inclined dense jets with bottom impact. <i>Journal of Hydro-Environment Research</i> , 2017 , 15, 54-66	2.3	27
133	Fouling control of submerged hollow fibre membrane bioreactor with transverse vibration. <i>Journal of Membrane Science</i> , 2016 , 505, 216-224	9.6	26
132	Atomistic simulation study of GO/HKUST-1 MOF membranes for seawater desalination via pervaporation. <i>Applied Surface Science</i> , 2020 , 503, 144198	6.7	25
131	Wave power extraction from a bottom-mounted oscillating water column converter with a V-shaped channel. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014 , 470, 20140074	2.4	24
130	Transport of salty water through graphene bilayer in an electric field: A molecular dynamics study. <i>Computational Materials Science</i> , 2017 , 131, 100-107	3.2	23
129	Vortex dynamics in starting square water jets. <i>Physics of Fluids</i> , 2005 , 17, 014106	4.4	23
128	Molecular dynamics study of water evaporation enhancement through a capillary graphene bilayer with tunable hydrophilicity. <i>Applied Surface Science</i> , 2018 , 452, 372-380	6.7	22
127	Large-Eddy Simulation (LES) of settling particle cloud dynamics. <i>International Journal of Multiphase Flow</i> , 2014 , 67, 65-75	3.6	22
126	Hydrodynamic analysis of vibrating hollow fibre membranes. <i>Journal of Membrane Science</i> , 2013 , 429, 304-312	9.6	22
125	Corrugated graphene layers for sea water desalination using capacitive deionization. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8552-8562	3.6	20
124	Buoyant formation number of a starting buoyant jet. <i>Physics of Fluids</i> , 2009 , 21, 125104	4.4	20
123	Coarse-grained molecular dynamics study of membrane distillation through meso-size graphene channels. <i>Journal of Membrane Science</i> , 2018 , 558, 34-44	9.6	19
122	Large-eddy simulation of starting buoyant jets. <i>Environmental Fluid Mechanics</i> , 2011 , 11, 591-609	2.2	19
121	Probability distribution of bed particle instability. <i>Advances in Water Resources</i> , 2003 , 26, 427-433	4.7	19
120	A numerical and analytical study of the effect of aspect ratio on the behavior of a round thermal. <i>Environmental Fluid Mechanics</i> , 2015 , 15, 85-108	2.2	18
119	Spreading Hypothesis of a Particle Plume. <i>Journal of Hydraulic Engineering</i> , 2016 , 142, 04016065	1.8	18
118	An experimental study on the interactions between surface waves and floating viscoelastic covers. <i>Wave Motion</i> , 2017 , 70, 195-208	1.8	18

117	Fluctuations of Turbulent Bed Shear Stress. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 126-130	2.4	18
116	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. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004 , 42, 273-281	1.9	18
115	Marine Tailings Disposal Simulation. <i>Journal of Hydraulic Engineering</i> , 1998 , 124, 370-383	1.8	18
114	Graphene nanoribbon as an elastic damper. <i>Nanotechnology</i> , 2018 , 29, 215704	3.4	17
113	Dynamics of Particle Clouds in Ambient Currents with Application to Open-Water Sediment Disposal. <i>Journal of Hydraulic Engineering</i> , 2013 , 139, 114-123	1.8	17
112	Effect of air release height on the formation of sediment thermals in water. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2012 , 50, 532-540	1.9	17
111	Ultrafast permeation of seawater pervaporation using single-layered CN via strain engineering. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 15973-15979	3.6	16
110	Molecular Insights into the Composition-Structure-Property Relationships of Polyamide Thin Films for Reverse Osmosis Desalination. <i>Environmental Science & Technology</i> , 2019 , 53, 6374-6382	10.3	16
109	Formation of particle clouds. <i>Journal of Fluid Mechanics</i> , 2014 , 746, 193-213	3.7	16
108	Two-phase modeling of sediment clouds. <i>Environmental Fluid Mechanics</i> , 2013 , 13, 435-463	2.2	16
107	Velocity and Concentration Distributions of Round and Plane Turbulent Jets. <i>Journal of Engineering Mathematics</i> , 2006 , 56, 69-78	1.2	16
106	An experimental study on gravity waves through a floating viscoelastic cover. <i>Cold Regions Science and Technology</i> , 2018 , 155, 289-299	3.8	16
105	A review of the current status of small-scale seawater reverse osmosis desalination. <i>Water International</i> , 2017 , 42, 618-631	2.4	15
104	Characterization of two carbon allotropes, cyclicgraphene and graphenylene, as semi-permeable materials for membranes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020 , 259, 114569	3.1	15
103	Vortex formation process in gravity-driven starting jets. <i>Experiments in Fluids</i> , 2007 , 42, 783-797	2.5	15
102	Surface morphology effect on the evaporation of water on graphene oxide: A molecular dynamics study. <i>Applied Surface Science</i> , 2019 , 488, 335-342	6.7	14
101	Turbulence characteristics of 45° inclined dense jets. <i>Environmental Fluid Mechanics</i> , 2019 , 19, 27-54	2.2	14
100	Dispersion in oscillatory electro-osmotic flow through a parallel-plate channel with kinetic sorptive exchange at walls. <i>Journal of Hydrodynamics</i> , 2014 , 26, 363-373	3.3	14

99	Pressure-driven water permeation through multilayer graphene nanosheets. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700074	1.3	14
98	Wave-induced surface drift of an inextensible thin film. <i>Ocean Engineering</i> , 1999 , 26, 1145-1168	3.9	14
97	Laser-Induced Annealing of Metal-Organic Frameworks on Conductive Substrates for Electrochemical Water Splitting. <i>Advanced Functional Materials</i> , 2021 , 31, 2102648	15.6	14
96	Modeling and experiments of polydisperse particle clouds. <i>Environmental Fluid Mechanics</i> , 2016 , 16, 875-898	2.8	13
95	Flow patterns and mixing characteristics of horizontal buoyant jets at low and moderate Reynolds numbers. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 105, 831-846	4.9	13
94	Coordination polymer-derived mesoporous Co ₃ O ₄ hollow nanospheres for high-performance lithium-ions batteries. <i>RSC Advances</i> , 2016 , 6, 50846-50850	3.7	12
93	Double Diffusive Effect on Desalination Discharges. <i>Journal of Hydraulic Engineering</i> , 2004 , 130, 450-457	1.8	12
92	Measurements of turbulent mass transport of a circular wall jet. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 4899-4905	4.9	12
91	Wave-Induced Breakout of Half-Buried Marine Pipes. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1990 , 116, 267-286	1.7	12
90	Large eddy simulations of turbulent circular wall jets. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 80, 72-84	4.9	11
89	Generalized criterion for the onset of particle deposition in crossflow microfiltration via DOTM Modeling and experimental validation. <i>Journal of Membrane Science</i> , 2014 , 457, 128-138	9.6	11
88	Boundary impingement and attachment of horizontal offset dense jets. <i>Journal of Hydro-Environment Research</i> , 2011 , 5, 15-24	2.3	11
87	Pinch-off and formation number of negatively buoyant jets. <i>Physics of Fluids</i> , 2011 , 23, 052101	4.4	11
86	Brine discharges into shallow coastal waters with mean and oscillatory tidal currents. <i>Journal of Hydro-Environment Research</i> , 2008 , 2, 91-97	2.3	11
85	Oil Transport in Surf Zone. <i>Journal of Hydraulic Engineering</i> , 2000 , 126, 803-809	1.8	11
84	Taylor dispersion of contaminants due to surface waves. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2000 , 38, 41-48	1.9	11
83	Mixing behavior of 45° inclined dense jets in currents. <i>Journal of Hydro-Environment Research</i> , 2018 , 18, 37-48	2.3	10
82	Scaling Particle Cloud Dynamics: From Lab to Field. <i>Journal of Hydraulic Engineering</i> , 2015 , 141, 06015006	6.8	10

81	The use of Constant Temperature Anemometry for permeate flow distribution measurement in a submerged hollow fibre system. <i>Journal of Membrane Science</i> , 2009 , 339, 195-203	9.6	10
80	Zeolitic imidazolate frameworks as capacitive deionization electrodes for water desalination and Cr(VI) adsorption: A molecular simulation study. <i>Applied Surface Science</i> , 2021 , 546, 149080	6.7	10
79	Motion response of immersing tunnel element under random waves. <i>Ships and Offshore Structures</i> , 2016 , 11, 561-574	1.4	10
78	Control of Nanoplane Orientation in voBN for High Thermal Anisotropy in a Dielectric Thin Film: A New Solution for Thermal Hotspot Mitigation in Electronics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7456-7464	9.5	9
77	Industrial water treatment and industrial marine outfalls: Achieving the right balance. <i>Frontiers of Chemical Science and Engineering</i> , 2016 , 10, 472-479	4.5	9
76	Interaction of longitudinal phonons with discrete breather in strained graphene. <i>European Physical Journal B</i> , 2018 , 91, 1	1.2	9
75	Fouling of submerged hollow fiber membrane filtration in turbulence: Statistical dependence and cost-benefit analysis. <i>Journal of Membrane Science</i> , 2017 , 521, 43-52	9.6	9
74	Wind Mixing in Temperature Simulations for Lakes and Reservoirs. <i>Journal of Environmental Engineering, ASCE</i> , 1999 , 125, 420-428	2	9
73	Ionised graphene oxide membranes for seawater desalination. <i>Desalination</i> , 2020 , 496, 114637	10.3	9
72	Quantitative Risk Assessment of Seafarers' Nonfatal Injuries Due to Occupational Accidents Based on Bayesian Network Modeling. <i>Risk Analysis</i> , 2020 , 40, 8-23	3.9	8
71	Assessment of atmospheric pollutant emissions with maritime energy strategies using bayesian simulations and time series forecasting. <i>Environmental Pollution</i> , 2021 , 270, 116068	9.3	8
70	Experimental study on surface wave modifications by different ice covers. <i>Cold Regions Science and Technology</i> , 2020 , 174, 103042	3.8	7
69	Circulation and energy of the leading vortex ring in a gravity-driven starting jet. <i>Physics of Fluids</i> , 2008 , 20, 093604	4.4	7
68	Application of coagulation-ultrafiltration-nanofiltration in a pilot study for Tai Lake water treatment. <i>Water Environment Research</i> , 2020 , 92, 579-587	2.8	7
67	SALINITY BUILD-UP DUE TO BRINE DISCHARGES INTO SHALLOW COASTAL WATERS. <i>Modern Physics Letters B</i> , 2009 , 23, 541-544	1.6	6
66	Turbulent mass and momentum transport of a circular offset dense jet. <i>Journal of Turbulence</i> , 2009 , 10, N40	2.1	6
65	Radial velocities in axisymmetric jets and plumes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004 , 42, 29-33	1.9	6
64	Mixing of swirling inclined dense jets – A numerical study. <i>Journal of Hydro-Environment Research</i> , 2018 , 21, 118-130	2.3	6

63	Longitudinal dispersion of turbulent oscillatory pipe flows. <i>Environmental Fluid Mechanics</i> , 2015 , 15, 563-593	5.3	5
62	CFD analyses of the wind drags on <i>Khaya Senegalensis</i> and <i>Eugenia Grandis</i> . <i>Urban Forestry and Urban Greening</i> , 2018 , 34, 29-43	5.4	5
61	Wave-induced drift of an elliptical surface film. <i>Ocean Engineering</i> , 2003 , 30, 413-436	3.9	5
60	Soft sensing of water depth in combined sewers using LSTM neural networks with missing observations. <i>Journal of Hydro-Environment Research</i> , 2021 , 38, 106-116	2.3	5
59	Numerical modeling of municipal waste bed incineration. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 504-522	4.5	4
58	A second-order integral model for buoyant jets with background homogeneous and isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2019 , 871, 271-304	3.7	4
57	Feature engineering using homogenization theory with multiscale perturbation analysis for supervised model-based learning of physical clogging condition in seepage filters. <i>Journal of Computational Science</i> , 2019 , 32, 21-35	3.4	4
56	Non-interfering multiport brine diffusers in shallow coastal waters. <i>Journal of Applied Water Engineering and Research</i> , 2013 , 1, 148-157	1.2	4
55	Taylor dispersion of contaminants by random waves. <i>Journal of Engineering Mathematics</i> , 2011 , 70, 389-397	3.7	4
54	Modulation of stochastic diffusion by wave motion. <i>Probabilistic Engineering Mechanics</i> , 2011 , 26, 142-147	3.6	4
53	Combined Particle Image Velocimetry/Planar Laser Induced Fluorescence for Integral Modeling of Buoyant Jets. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 1189-1196	2.4	4
52	Two-phase modeling of suspended sediment distribution in open channel flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004 , 42, 273-281	1.9	4
51	Open-Water Disposal of Barged Sediments. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2016 , 142, 04016006	1.7	4
50	Surface wave interactions with submerged horizontal viscoelastic sheets. <i>Applied Ocean Research</i> , 2021 , 107, 102483	3.4	4
49	Evaporation Kinetics of Nano Water Droplets using Coarse-Grained Molecular Dynamic Simulations. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 156, 119884	4.9	3
48	Wave interactions with circular ice ridge embedded in level ice. <i>Cold Regions Science and Technology</i> , 2018 , 155, 90-99	3.8	3
47	Observations and measurements of wave-induced drift of surface inextensible film in deep and shallow waters. <i>Ocean Engineering</i> , 2007 , 34, 94-102	3.9	3
46	Incipient Fluidization of Fine Sands in Deep Seabed. <i>Journal of Hydraulic Engineering</i> , 1995 , 121, 653-656	1.8	3

45	An experimental study of gravity waves through segmented floating viscoelastic covers. <i>Applied Ocean Research</i> , 2020 , 101, 102233	3.4	3
44	Mixing characteristics of inclined dense jets with different nozzle geometries. <i>Journal of Hydro-Environment Research</i> , 2019 , 27, 116-128	2.3	3
43	Computational Flood Modeling with UPC Architecture. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 04019002	5	3
42	Solid Waste Incineration Modelling for Advanced Moving Gate Incinerators. <i>Sustainability</i> , 2020 , 12, 8007	3.6	2
41	Optimizing Speedup Performance of Computational Hydrodynamic Simulations with UPC Programming Model. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 06020001	5	2
40	DRFM hybrid model to optimize energy performance of pre-treatment depth filters in desalination facilities. <i>Applied Energy</i> , 2018 , 220, 576-597	10.7	2
39	Mass Loss to the Trailing Stem of a Sediment Cloud. <i>Journal of Hydraulic Engineering</i> , 2018 , 144, 060180038	3.3	2
38	Pressure-driven water permeation through multilayer graphene nanosheets (Phys. Status Solidi B 10/2017). <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1770254	1.3	2
37	On the significance of recirculation between intakes and outfalls of desalination and thermal power plants. <i>Desalination and Water Treatment</i> , 2012 , 42, 304-308		2
36	Re-entrainment around a low-rise industrial building: 2D versus 3D wind tunnel study. <i>Atmospheric Environment</i> , 2004 , 38, 3817-3825	5.3	2
35	Performance of Dual Viscoelastic Wave Barrier System with Unequal Draft. <i>Journal of Engineering Mechanics - ASCE</i> , 2022 , 148,	2.4	2
34	Application of feed flow reversal for nanofiltration of highly concentrated industrial wastewaters. <i>Desalination</i> , 2020 , 485, 114462	10.3	2
33	Homogenization theory with multiscale perturbation analysis for supervised learning of complex adsorption-desorption process in porous-media systems. <i>Journal of Computational Science</i> , 2020 , 40, 101071	3.4	2
32	Remote sensing of coastal hydro-environment with portable unmanned aerial vehicles (pUAVs) a state-of-the-art review. <i>Journal of Hydro-Environment Research</i> , 2021 ,	2.3	2
31	Simulations of Melting in Fluid-filled Packed Media due to Forced Convection with Higher Temperature. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 175, 121358	4.9	2
30	Abatement of atmospheric pollutant emissions with autonomous shipping in maritime transportation using Bayesian probabilistic forecasting. <i>Atmospheric Environment</i> , 2021 , 261, 118593	5.3	2
29	Determination of surface film thickness of heavy fuel oil using hyperspectral imaging and deep neural networks. <i>International Journal of Remote Sensing</i> , 2022 , 43, 997-1014	3.1	2
28	Taylor Dispersion of Contaminants by Dual-peak Spectral Random Waves. <i>China Ocean Engineering</i> , 2019 , 33, 537-543	1.1	1

27	Spreading and Deposition of Turbidity Currents: Application to Open-Water Sediment Disposal. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2020 , 146, 04020002	1.7	1
26	Improved Light Attenuation Method for 2D Data Acquisition of Sediment Depths. <i>Journal of Hydraulic Engineering</i> , 2018 , 144, 04018028	1.8	1
25	High Performance Computational Hydrodynamic Simulations: UPC Parallel Architecture as a Future Alternative. <i>Lecture Notes in Computer Science</i> , 2018 , 444-455	0.9	1
24	Deployment of Recyclable Polycarbonate as Alternative Coarse Media in Dual-media Rapid Filters. <i>Energy Procedia</i> , 2017 , 143, 475-480	2.3	1
23	Computation of transcritical steady flow over a curved bed with lateral contraction. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2003 , 41, 631-637	1.9	1
22	Assessment of COVID-19 pandemic effects on ship pollutant emissions in major international seaports. <i>Environmental Research</i> , 2021 , 112246	7.9	1
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20	Analytical Study on Drift of Small Floating Objects under Regular Waves. <i>Journal of Engineering Mechanics - ASCE</i> , 2016 , 142, 06016002	2.4	1
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