

Soon Keat Tan

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.

166
papers

5,305
citations

39
h-index

68
g-index

186
ext. papers

6,113
ext. citations

3.7
avg, IF

5.97
L-index

#	Paper	IF	Citations
166	Long-term performance of bioretention systems in storm runoff management under climate change and life-cycle condition. <i>Sustainable Cities and Society</i> , 2021 , 65, 102598	10.1	6
165	Life-cycle cost analysis and resilience consideration for coupled grey infrastructure and low-impact development practices. <i>Sustainable Cities and Society</i> , 2021 , 75, 103358	10.1	4
164	Phytoremediation of pharmaceutical-contaminated wastewater: Insights into rhizobacterial dynamics related to pollutant degradation mechanisms during plant life cycle. <i>Chemosphere</i> , 2020 , 253, 126681	8.4	14
163	Flow Behavior Behind A Freely Suspended Cylinder in the Wake of A Stationary Cylinder. <i>China Ocean Engineering</i> , 2020 , 34, 708-717	1.1	
162	Effect of Ritz Vectors on Random Seismic Response of Cantilever Beam. <i>Journal of Vibration Engineering and Technologies</i> , 2019 , 7, 321-333	2	1
161	Laboratory Study of Porosity Effect on Drag Induced by Circular Vegetative Patch. <i>Journal of Engineering Mechanics - ASCE</i> , 2019 , 145, 04019046	2.4	4
160	Assessing performance of porous pavements and bioretention cells for stormwater management in response to probable climatic changes. <i>Journal of Environmental Management</i> , 2019 , 243, 157-167	7.9	32
159	Assessing Hydrological Effects of Bioretention Cells for Urban Stormwater Runoff in Response to Climatic Changes. <i>Water (Switzerland)</i> , 2019 , 11, 997	3	17
158	Effect of Heating Spacing on Deformation Distribution of Line Heating Process. <i>Journal of Ship Production and Design</i> , 2019 , 35, 1-11	0.3	0
157	Assessing hydrological effects and performance of low impact development practices based on future scenarios modeling. <i>Journal of Cleaner Production</i> , 2018 , 179, 12-23	10.3	76
156	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of <i>P. aeruginosa</i> . <i>Scientific Reports</i> , 2018 , 8, 1155	4.9	38
155	Flow behavior behind a clockwise-and-counterclockwise rotational oscillating cylinder. <i>Ocean Engineering</i> , 2018 , 159, 410-421	3.9	8
154	Flow past a near-wall retrograde rotating cylinder at varying rotation and gap ratios. <i>Ocean Engineering</i> , 2018 , 156, 240-251	3.9	1
153	Conventional and holistic urban stormwater management in coastal cities: a case study of the practice in Hong Kong and Singapore. <i>International Journal of Water Resources Development</i> , 2018 , 34, 192-212	3	18
152	Fate and behavior of dissolved organic matter in a submerged anoxic-aerobic membrane bioreactor (MBR). <i>Environmental Science and Pollution Research</i> , 2018 , 25, 4289-4302	5.1	7
151	Application of constructed wetlands for treating agricultural runoff and agro-industrial wastewater: a review. <i>Hydrobiologia</i> , 2018 , 805, 1-31	2.4	55
150	Conventional and decentralized urban stormwater management: A comparison through case studies of Singapore and Berlin, Germany. <i>Urban Water Journal</i> , 2017 , 14, 113-124	2.3	31

149	Sedimentation behavior of flocculant-treated soil slurry. <i>Marine Georesources and Geotechnology</i> , 2017 , 35, 593-602	2.2	26
148	Numerical and Experimental Study on Cutting Access Opening in Ship Structure. <i>Journal of Ship Production and Design</i> , 2017 , 33, 12-23	0.3	2
147	Online Ensemble Modeling for Real Time Water Level Forecasts. <i>Water Resources Management</i> , 2017 , 31, 1105-1119	3.7	7
146	Constructed wetlands for wastewater treatment in cold climate - A review. <i>Journal of Environmental Sciences</i> , 2017 , 57, 293-311	6.4	109
145	Comparison and distribution of copper oxide nanoparticles and copper ions in activated sludge reactors. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 507-514	2.3	4
144	Flow patterns of a low mass-damping cylinder undergoing vortex-induced vibration: Transition from initial branch and upper branch. <i>Applied Ocean Research</i> , 2017 , 62, 89-99	3.4	6
143	Experimental investigation on impingement of a submerged circular water jet at varying impinging angles and Reynolds numbers. <i>Experimental Thermal and Fluid Science</i> , 2017 , 89, 189-198	3	12
142	Comparison of the effects and distribution of zinc oxide nanoparticles and zinc ions in activated sludge reactors. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 1073-1081	2.3	4
141	Dean instability and secondary flow structure in curved rectangular ducts. <i>International Journal of Heat and Fluid Flow</i> , 2017 , 68, 189-202	2.4	16
140	Future Scenarios Modeling of Urban Stormwater Management Response to Impacts of Climate Change and Urbanization. <i>Clean - Soil, Air, Water</i> , 2017 , 45, 1700111	1.6	15
139	Experimental study on flow past a rotationally oscillating cylinder. <i>China Ocean Engineering</i> , 2017 , 31, 495-503	1.1	3
138	Random seismic response analysis of jacket structure with Timoshenko's beam theory. <i>Ships and Offshore Structures</i> , 2016 , 11, 438-444	1.4	4
137	Assessing cost-effectiveness of bioretention on stormwater in response to climate change and urbanization for future scenarios. <i>Journal of Hydrology</i> , 2016 , 543, 423-432	6	68
136	Characterization of microbial communities in wetland mesocosms receiving caffeine-enriched wastewater. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14526-39	5.1	11
135	Flow development in curved rectangular ducts with continuously varying curvature. <i>Experimental Thermal and Fluid Science</i> , 2016 , 75, 1-15	3	31
134	High-throughput pyrosequencing analysis of bacteria relevant to cometabolic and metabolic degradation of ibuprofen in horizontal subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2016 , 562, 604-613	10.2	42
133	Two-phase SPH simulation of fluid-structure interactions. <i>Journal of Fluids and Structures</i> , 2016 , 65, 155-179	17.9	72
132	Characterization of bacterial communities in wetland mesocosms receiving pharmaceutical-enriched wastewater. <i>Ecological Engineering</i> , 2016 , 90, 215-224	3.9	28

131	Comparison of Flow Fields in a Centrifugal Pump Among Different Tracer Particles by Particle Image Velocimetry. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016 , 138,	2.1	6
130	Ibuprofen removal in horizontal subsurface flow constructed wetlands: treatment performance and fungal community dynamics. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 1467-79	2.6	7
129	Performance of Tropical Vertical Subsurface Flow Constructed Wetlands at Different Hydraulic Loading Rates. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 938-948	1.6	14
128	Characterization of soluble microbial products (SMPs) in a membrane bioreactor (MBR) treating synthetic wastewater containing pharmaceutical compounds. <i>Water Research</i> , 2016 , 102, 594-606	12.5	67
127	Phytoextraction, phytotransformation and rhizodegradation of ibuprofen associated with <i>Typha angustifolia</i> in a horizontal subsurface flow constructed wetland. <i>Water Research</i> , 2016 , 102, 294-304	12.5	44
126	Experimental Study of Dynamic Drag and Lift Characteristics of Dimpled Cylinders. <i>Marine Technology Society Journal</i> , 2016 , 50, 56-61	0.5	1
125	Study of flow formed by three coplanar impinging pipe jets at inclination angles of 30° and 45°. <i>Environmental Fluid Mechanics</i> , 2016 , 16, 635-658	2.2	2
124	Experimental measurements of the drag force and the near-wake flow patterns of a longitudinally grooved cylinder. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015 , 145, 30-41	3.7	17
123	Reaeration Model for a Still-Water Body. <i>Journal of Environmental Engineering, ASCE</i> , 2015 , 141, 04014052		3
122	Application of constructed wetlands for wastewater treatment in tropical and subtropical regions (2000-2013). <i>Journal of Environmental Sciences</i> , 2015 , 30, 30-46	6.4	88
121	Experimental study on flow past a circular cylinder with rough surface. <i>Ocean Engineering</i> , 2015 , 109, 7-13	3.9	37
120	Control of flow past a dimpled circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 2015 , 69, 19-26	3	36
119	Experimental study on orbital response and flow behavior behind a freely suspended cylinder. <i>Ocean Engineering</i> , 2015 , 108, 439-448	3.9	3
118	Influence of wall proximity on flow around two tandem circular cylinders. <i>Ocean Engineering</i> , 2015 , 94, 36-50	3.9	20
117	Force and flow characteristics of a circular cylinder with uniform surface roughness at subcritical Reynolds numbers. <i>Applied Ocean Research</i> , 2015 , 49, 20-26	3.4	41
116	Phytotoxicity and bioaccumulation of ZnO nanoparticles in <i>Schoenoplectus tabernaemontani</i> . <i>Chemosphere</i> , 2015 , 120, 211-9	8.4	60
115	SPH modeling of tidal bore scenarios. <i>Natural Hazards</i> , 2015 , 75, 1247-1270	3	6
114	Performance Characterization of Pharmaceutical Removal by Horizontal Subsurface Flow Constructed Wetlands Using Multivariate Analysis. <i>Clean - Soil, Air, Water</i> , 2015 , 43, 1181-1189	1.6	8

113	Incompressible SPH simulation of open channel flow over smooth bed. <i>Journal of Hydro-Environment Research</i> , 2015 , 9, 340-353	2.3	12
112	Experimental investigation on the mean flow field and impact force of a semi-confined round impinging jet. <i>Fluid Dynamics Research</i> , 2015 , 47, 025501	1.2	8
111	Experimental investigation of interactions of three co-planar and converging jets. <i>Experiments in Fluids</i> , 2014 , 55, 1	2.5	4
110	Application of constructed wetlands for wastewater treatment in developing countries--a review of recent developments (2000-2013). <i>Journal of Environmental Management</i> , 2014 , 141, 116-31	7.9	212
109	A review on removing pharmaceutical contaminants from wastewater by constructed wetlands: design, performance and mechanism. <i>Science of the Total Environment</i> , 2014 , 468-469, 908-32	10.2	348
108	Removal of pharmaceuticals and personal care products in aquatic plant-based systems: a review. <i>Environmental Pollution</i> , 2014 , 184, 620-39	9.3	318
107	Experimental study on the flow around two tandem cylinders with unequal diameters. <i>Journal of Ocean University of China</i> , 2014 , 13, 761-770	1	10
106	Elastic-plastic fracture behavior of a radial matrix crack interacting with a circle inclusion with generalized Irwin corrections. <i>Acta Mechanica</i> , 2014 , 225, 91-107	2.1	13
105	A simplified computational method for random seismic responses of a jacket platform. <i>Ocean Engineering</i> , 2014 , 82, 85-90	3.9	9
104	Influence of Small Water Surface Perturbations on the Reaeration Process. <i>Journal of Environmental Engineering, ASCE</i> , 2014 , 140, 04013010	2	6
103	Flow around two tandem square cylinders near a plane wall. <i>Experiments in Fluids</i> , 2014 , 55, 1	2.5	17
102	On elastic-plastic fracture behavior of a bi-layered composite plate with a sub-interface crack under mixed mode loading. <i>Composites Part B: Engineering</i> , 2014 , 60, 60-73	10	18
101	Numerical simulation of patient-specific left ventricular model with both mitral and aortic valves by FSI approach. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 113, 474-82	6.9	40
100	Wake flow behaviour behind a smaller cylinder oscillating in the wake of an upstream stationary cylinder. <i>Fluid Dynamics Research</i> , 2014 , 46, 025505	1.2	7
99	Uptake and accumulation of CuO nanoparticles and CdS/ZnS quantum dot nanoparticles by <i>Schoenoplectus tabernaemontani</i> in hydroponic mesocosms. <i>Ecological Engineering</i> , 2014 , 70, 114-123	3.9	32
98	Non-spherical multi-oscillations of a bubble in a compressible liquid. <i>Journal of Hydrodynamics</i> , 2014 , 26, 848-855	3.3	8
97	Rheological properties of dense natural cohesive sediments subject to shear loadings. <i>International Journal of Sediment Research</i> , 2014 , 29, 454-470	3	30
96	Application of Potential Theory to Steady Flow Past Two Cylinders in Tandem Arrangement. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-13	1.1	

95	Measurements of Fluctuation in Drag Acting on Rigid Cylinder Array in Open Channel Flow. <i>Journal of Hydraulic Engineering</i> , 2014 , 140, 48-55	1.8	17
94	Study on Plate Forming Using the Line Heating Process of Multiple-torch. <i>Journal of Ship Production and Design</i> , 2014 , 30, 142-151	0.3	5
93	Rheological Properties of Bed Sediments Subjected to Shear and Vibration Loads. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2014 , 140, 109-113	1.7	17
92	Statistical Modeling of Batch Versus Continuous Feeding Strategies for Pollutant Removal by Tropical Subsurface Flow Constructed Wetlands. <i>Wetlands</i> , 2013 , 33, 335-344	1.7	6
91	On the fracture behaviour of an interface crack with plastic zone corrections. <i>Mechanics of Materials</i> , 2013 , 64, 128-134	3.3	9
90	Particle image velocimetry technique measurements of the near wake behind a cylinder-pair of unequal diameters. <i>Fluid Dynamics Research</i> , 2013 , 45, 045504	1.2	6
89	Assessment of plant-driven uptake and translocation of clofibric acid by <i>Scirpus validus</i> . <i>Environmental Science and Pollution Research</i> , 2013 , 20, 4612-20	5.1	17
88	Fate of caffeine in mesocosms wetland planted with <i>Scirpus validus</i> . <i>Chemosphere</i> , 2013 , 90, 1568-72	8.4	53
87	Flow around four cylinders arranged in a square configuration. <i>Journal of Fluids and Structures</i> , 2013 , 43, 179-199	3.1	40
86	Effect of waves on reaeration. <i>AIChE Journal</i> , 2013 , 59, 4839-4845	3.6	9
85	An interface crack in a coating-substrate composite with mixed-mode Dugdale corrections. <i>International Journal of Fracture</i> , 2013 , 179, 201-212	2.3	9
84	Efficient simulation of oxygen cutting using a composite heat source model. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 57, 304-311	4.9	15
83	Carbamazepine and naproxen: fate in wetland mesocosms planted with <i>Scirpus validus</i> . <i>Chemosphere</i> , 2013 , 91, 14-21	8.4	65
82	Vortex-induced vibrations of a neutrally buoyant circular cylinder near a plane wall. <i>Journal of Fluids and Structures</i> , 2013 , 39, 188-204	3.1	39
81	An interface crack under biaxial loading with Dugdale plastic zone corrections in layered composite materials. <i>Engineering Fracture Mechanics</i> , 2013 , 109, 209-220	4.2	9
80	Dynamic features of a laser-induced cavitation bubble near a solid boundary. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 1098-103	8.9	44
79	Fate of pharmaceutical compounds in hydroponic mesocosms planted with <i>Scirpus validus</i> . <i>Environmental Pollution</i> , 2013 , 181, 98-106	9.3	47
78	Finite Element Analysis and Structure Optimum Design of Lifting Padeye. <i>Advanced Materials Research</i> , 2013 , 658, 399-403	0.5	0

77	Velocity and turbulence characteristics around a silt screen. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2013 , 166, 89-97	1.8	1
76	Batch versus continuous feeding strategies for pharmaceutical removal by subsurface flow constructed wetland. <i>Environmental Pollution</i> , 2012 , 167, 124-31	9.3	73
75	Nutrient removal in tropical subsurface flow constructed wetlands under batch and continuous flow conditions. <i>Journal of Environmental Management</i> , 2012 , 96, 1-6	7.9	60
74	Tropical Application of Floating Treatment Wetlands. <i>Wetlands</i> , 2012 , 32, 955-961	1.7	42
73	Moving-Window GPR for Nonlinear Dynamic System Modeling with Dual Updating and Dual Preprocessing. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6416-6428	3.9	41
72	Source term treatment of SWEs using surface gradient upwind method. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2012 , 50, 145-153	1.9	23
71	GPR model with signal preprocessing and bias update for dynamic processes modeling. <i>Control Engineering Practice</i> , 2012 , 20, 1281-1292	3.9	18
70	Mechanism of secondary currents in open channel flows. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		38
69	Fate of diclofenac in wetland mesocosms planted with <i>Scirpus validus</i> . <i>Ecological Engineering</i> , 2012 , 49, 59-64	3.9	60
68	Experimental study of vortex-induced vibrations of a tethered cylinder. <i>Journal of Fluids and Structures</i> , 2012 , 34, 51-67	3.1	4
67	Scaling of Velocity Profiles for Depth-Limited Open Channel Flows over Simulated Rigid Vegetation. <i>Journal of Hydraulic Engineering</i> , 2012 , 138, 673-683	1.8	26
66	Elastic and plastic stress analysis of an interface crack between two dissimilar layers. <i>Acta Mechanica</i> , 2012 , 223, 2287-2301	2.1	2
65	Localized, Adaptive Recursive Partial Least Squares Regression for Dynamic System Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8025-8039	3.9	47
64	Effect of feeding strategies on pharmaceutical removal by subsurface flow constructed wetlands. <i>Journal of Environmental Quality</i> , 2012 , 41, 1674-80	3.4	6
63	On the Plastic Zone Size and the Crack Tip Opening Displacement of an Interface Crack Between two Dissimilar Materials. <i>International Journal of Fracture</i> , 2012 , 176, 97-104	2.3	24
62	Numerical study of an oscillating smaller cylinder in the wake of an upstream larger cylinder. <i>Journal of Ocean University of China</i> , 2012 , 11, 111-117	1	1
61	Elastic and plastic fracture analysis of a crack perpendicular to an interface between dissimilar materials. <i>Acta Mechanica</i> , 2012 , 223, 1031-1045	2.1	8
60	Pharmaceutical removal in tropical subsurface flow constructed wetlands at varying hydraulic loading rates. <i>Chemosphere</i> , 2012 , 87, 273-7	8.4	77

59	SPH modeling of solitary wave fissions over uneven bottoms. <i>Coastal Engineering</i> , 2012 , 60, 261-275	4.8	26
58	Numerical study of two side-by-side cylinders with unequal diameters at low Reynolds number. <i>IOP Conference Series: Earth and Environmental Science</i> , 2012 , 15, 062041	0.3	1
57	Google Earth as a tool in 2-D hydrodynamic modeling. <i>Computers and Geosciences</i> , 2011 , 37, 38-46	4.5	18
56	Recursive GPR for nonlinear dynamic process modeling. <i>Chemical Engineering Journal</i> , 2011 , 173, 636-643	4.7	19
55	Application of incomplete similarity theory for estimating maximum shear layer thickness of granular flows in rotating drums. <i>Chemical Engineering Science</i> , 2011 , 66, 2872-2878	4.4	14
54	Removal of pharmaceutical compounds in tropical constructed wetlands. <i>Ecological Engineering</i> , 2011 , 37, 460-464	3.9	83
53	Bi-stable flow around tandem cylinders of different diameters at low Reynolds number. <i>Fluid Dynamics Research</i> , 2011 , 43, 055506	1.2	7
52	Experimental study on the near wake behind two side-by-side cylinders of unequal diameters. <i>Fluid Dynamics Research</i> , 2010 , 42, 055509	1.2	18
51	DOC and UVA attenuation with soil aquifer treatment in the saturated zone of an artificial coastal sandfill. <i>Water Science and Technology</i> , 2010 , 62, 491-500	2.2	2
50	Three Dimensional Simulation of Bore Flow Using SPH 2010 ,		1
49	Experimental Studies of Vortex Structures in the Wake of a Cylinder With Helical Strakes 2010 ,		2
48	Impact of climate variability and human activity on streamflow decrease in the Miyun Reservoir catchment. <i>Journal of Hydrology</i> , 2010 , 389, 317-324	6	219
47	Municipal solid waste management in China: status, problems and challenges. <i>Journal of Environmental Management</i> , 2010 , 91, 1623-33	7.9	505
46	A comparison of municipal solid waste management in Berlin and Singapore. <i>Waste Management</i> , 2010 , 30, 921-33	8.6	62
45	Laboratory investigation of hydraulic performance of silt screens. <i>Journal of Hydrodynamics</i> , 2010 , 22, 307-312	3.3	3
44	Hydrodynamics of trapezoidal embankment weirs. <i>Journal of Hydrodynamics</i> , 2010 , 22, 375-379	3.3	3
43	Lagrangian modeling of tidal bores passing through bridge piers. <i>Journal of Hydrodynamics</i> , 2010 , 22, 496-502	3.3	4
42	Environmental fluid dynamics-jet flow. <i>Journal of Hydrodynamics</i> , 2010 , 22, 962-967	3.3	7

41	Controlled field studies on soil aquifer treatment in a constructed coastal sandfill. <i>Water Science and Technology</i> , 2009 , 60, 1283-93	2.2	3
40	Geochemical changes during recharge with tertiary-treated wastewater at a coastal sandfill. <i>Water Science and Technology</i> , 2009 , 60, 1273-81	2.2	
39	Nonlinear scattering of non-breaking waves by a submerged horizontal plate: Experiments and simulations. <i>Ocean Engineering</i> , 2009 , 36, 1332-1345	3.9	51
38	Constructed wetlands in China. <i>Ecological Engineering</i> , 2009 , 35, 1367-1378	3.9	180
37	Tsunami hazard from the subduction Megathrust of the South China Sea: Part II. Hydrodynamic modeling and possible impact on Singapore. <i>Journal of Asian Earth Sciences</i> , 2009 , 36, 93-97	2.8	25
36	Tsunami hazard from the subduction megathrust of the South China Sea: Part I. Source characterization and the resulting tsunami. <i>Journal of Asian Earth Sciences</i> , 2009 , 36, 13-20	2.8	76
35	A Numerical Analysis of the Response and Air Gap Demand for Semi-Submersibles 2009 ,		2
34	Investigation of Inertial Effect in Simplified Porous Media Flow 2009 , 160-165		
33	Flow Resistance over Mobile Bed in an Open-Channel Flow. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 937-947	1.8	16
32	An Active Operator Guidance System for Ship Maneuvers Prototype System. <i>Marine Technology Society Journal</i> , 2008 , 42, 45-56	0.5	
31	A simple relationship for crenulate-shaped bay in static equilibrium. <i>Coastal Engineering</i> , 2008 , 55, 73-78	4.8	9
30	Comparison of quadratic and power law for nonlinear flow through porous media. <i>Experimental Thermal and Fluid Science</i> , 2008 , 32, 1538-1547	3	30
29	Near-wake flow characteristics of a circular cylinder close to a wall. <i>Journal of Fluids and Structures</i> , 2008 , 24, 605-627	3.1	74
28	Comparison of flow patterns in the near wake of a circular cylinder and a square cylinder placed near a plane wall. <i>Ocean Engineering</i> , 2008 , 35, 458-472	3.9	56
27	Experimental investigation of the interaction between a plane wall jet and a parallel offset jet. <i>Experiments in Fluids</i> , 2007 , 42, 551-562	2.5	60
26	Hydrostratigraphy and geochemistry at a coastal sandfill in Singapore. <i>Hydrogeology Journal</i> , 2007 , 15, 1591-1604	3.1	21
25	Estimation of boundary shear stress distribution in open channels using flownet. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2007 , 45, 486-496	1.9	14
24	Use of fluorescein as a ground water tracer in brackish water aquifers. <i>Ground Water</i> , 2007 , 45, 85-8	2.4	22

23	Oscillating-grid turbulence and its applications: a review/ Turbulence de grille oscillante et ses applications: une revue. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2007 , 45, 26-32	1.9	10
22	Velocity distribution in combined wavecurrent flows. <i>Advances in Water Resources</i> , 2006 , 29, 1196-1208	4.7	22
21	Performances of Hydraulics and Bedload Sediment Flushing in Rigid Channel Using Surge Flows. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2006 , 132, 171-179	1.1	2
20	Errors in the Bed Shear Stress as Estimated from Vertical Velocity Profile. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2006 , 132, 490-497	1.1	12
19	Reply to comment by M. Bayani Cardenas and John L. Wilson on Flow resistance and bed form geometry in a wide alluvial channel. <i>Water Resources Research</i> , 2006 , 42,	5.4	
18	Flow resistance and bed form geometry in a wide alluvial channel. <i>Water Resources Research</i> , 2005 , 41,	5.4	28
17	Effect of shallow and narrow water on added mass of cylinders with various cross-sectional shapes. <i>Ocean Engineering</i> , 2005 , 32, 1199-1215	3.9	7
16	Use of Artificial Neural Networks as Explicit Finite Difference Operators. <i>Journal of Computing in Civil Engineering</i> , 2005 , 19, 426-429	5	1
15	Flow Structure and Sediment Motion around Submerged Vanes in Open Channel. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2005 , 131, 132-136	1.7	26
14	Velocity Distribution and Dip-Phenomenon in Smooth Uniform Open Channel Flows. <i>Journal of Hydraulic Engineering</i> , 2004 , 130, 1179-1186	1.8	183
13	Laser Imagery Technique for Measuring Dispersed Droplets in Water. <i>Journal of Environmental Engineering, ASCE</i> , 2002 , 128, 1139-1145	2	2
12	Recognition and measurement of dispersed oil droplets in a water column. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2001 , 39, 99-103	1.9	3
11	Vibration and pressure fluctuation in a flexible hydraulic power system on an aircraft. <i>Computers and Fluids</i> , 1998 , 27, 1-9	2.8	14
10	Synthetic Generation of Tropical Rainfall Time Series Using an Event-Based Method. <i>Journal of Hydrologic Engineering - ASCE</i> , 1997 , 2, 83-89	1.8	6
9	Analysis of Bayed Beaches in Static Equilibrium. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1995 , 121, 191-193	1.7	2
8	Analysis of Bayed Beaches in Static Equilibrium. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1994 , 120, 145-153	1.7	34
7	Closure to "Frictional Resistance of Overland Flow on Tropical Turfed Slope" by Yee-Meng Chiew and Soon-Keat Tan (January, 1992, Vol. 118, No. 1). <i>Journal of Hydraulic Engineering</i> , 1993 , 119, 147-147	1.8	1
6	Frictional Resistance of Overland Flow on Tropical Turfed Slope. <i>Journal of Hydraulic Engineering</i> , 1992 , 118, 92-97	1.8	11

- 5 Discussion of Roughness Values for Overland Flow in subcatchments by S. Y. Liong, S. Selvalingam, and D. K. Brady, (April, 1989, Vol. 115, No. 2). *Journal of Irrigation and Drainage Engineering - ASCE*, **1991**, 117, 308-309 1.1
- 4 Discussion of Static Equilibrium Bays: New Relationships by John R. C. Hsu, Richard Silvester and Yi-Min Xia (May, 1989, Vol. 115, No. 3). *Journal of Waterway, Port, Coastal and Ocean Engineering*, **1991**, 117, 194-196 1.7
- 3 Point-Rainfall Measurement in Terms of Time Interval. *Journal of Hydraulic Engineering*, **1991**, 117, 1304-1309 2
- 2 Rainfall and soil detachment. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **1989**, 27, 699-715 5
- 1 EROSION OF COHESIVE SOILS. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **1984**, 22, 217-233 18