Soon Keat Tan

List of Publications by Year
in descending order

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184 papers	6,950 citations	57631 44 h-index	66788 78 g-index
186 all docs	186 docs citations	186 times ranked	6502 citing authors

#	Article	IF	Citations
1	Municipal solid waste management in China: Status, problems and challenges. Journal of Environmental Management, 2010, 91, 1623-1633.	3.8	646
2	A review on removing pharmaceutical contaminants from wastewater by constructed wetlands: Design, performance and mechanism. Science of the Total Environment, 2014, 468-469, 908-932.	3.9	441
3	Removal of pharmaceuticals and personal care products in aquatic plant-based systems: A review. Environmental Pollution, 2014, 184, 620-639.	3.7	394
4	Application of constructed wetlands for wastewater treatment in developing countries â€“ A review of recent developments (2000â€“2013). Journal of Environmental Management, 2014, 141, 116-131.	3.8	264
5	Impact of climate variability and human activity on streamflow decrease in the Miyun Reservoir catchment. Journal of Hydrology, 2010, 389, 317-324.	2.3	256
6	Velocity Distribution and Dip-Phenomenon in Smooth Uniform Open Channel Flows. Journal of Hydraulic Engineering, 2004, 130, 1179-1186.	0.7	234
7	Constructed wetlands in China. Ecological Engineering, 2009, 35, 1367-1378.	1.6	209
8	Constructed wetlands for wastewater treatment in cold climate â€” A review. Journal of Environmental Sciences, 2017, 57, 293-311.	3.2	160
9	Application of constructed wetlands for wastewater treatment in tropical and subtropical regions (2000â€“2013). Journal of Environmental Sciences, 2015, 30, 30-46.	3.2	110
10	Near-wake flow characteristics of a circular cylinder close to a wall. Journal of Fluids and Structures, 2008, 24, 605-627.	1.5	108
11	Assessing hydrological effects and performance of low impact development practices based on future scenarios modeling. Journal of Cleaner Production, 2018, 179, 12-23.	4.6	108
12	Removal of pharmaceutical compounds in tropical constructed wetlands. Ecological Engineering, 2011, 37, 460-464.	1.6	101
13	Tsunami hazard from the subduction megathrust of the South China Sea: Part I. Source characterization and the resulting tsunami. Journal of Asian Earth Sciences, 2009, 36, 13-20.	1.0	98
14	Pharmaceutical removal in tropical subsurface flow constructed wetlands at varying hydraulic loading rates. Chemosphere, 2012, 87, 273-277.	4.2	91
15	Two-phase SPH simulation of fluidâ€“structure interactions. Journal of Fluids and Structures, 2016, 65, 155-179.	1.5	90
16	Application of constructed wetlands for treating agricultural runoff and agro-industrial wastewater: a review. Hydrobiologia, 2018, 805, 1-31.	1.0	88
17	Batch versus continuous feeding strategies for pharmaceutical removal by subsurface flow constructed wetland. Environmental Pollution, 2012, 167, 124-131.	3.7	86
18	A comparison of municipal solid waste management in Berlin and Singapore. Waste Management, 2010, 30, 921-933.	3.7	84

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19	Carbamazepine and naproxen: Fate in wetland mesocosms planted with Scirpus validus. Chemosphere, 2013, 91, 14-21.	4.2	83
20	Experimental investigation of the interaction between a plane wall jet and a parallel offset jet. Experiments in Fluids, 2007, 42, 551-562.	1.1	82
21	Assessing cost-effectiveness of bioretention on stormwater in response to climate change and urbanization for future scenarios. Journal of Hydrology, 2016, 543, 423-432.	2.3	82
22	Characterization of soluble microbial products (SMPs) in a membrane bioreactor (MBR) treating synthetic wastewater containing pharmaceutical compounds. Water Research, 2016, 102, 594-606.	5.3	81
23	Comparison of flow patterns in the near wake of a circular cylinder and a square cylinder placed near a plane wall. Ocean Engineering, 2008, 35, 458-472.	1.9	73
24	Fate of diclofenac in wetland mesocosms planted with Scirpus validus. Ecological Engineering, 2012, 49, 59-64.	1.6	72
25	Dynamic features of a laser-induced cavitation bubble near a solid boundary. Ultrasonics Sonochemistry, 2013, 20, 1098-1103.	3.8	71
26	Nutrient removal in tropical subsurface flow constructed wetlands under batch and continuous flow conditions. Journal of Environmental Management, 2012, 96, 1-6.	3.8	70
27	Phytotoxicity and bioaccumulation of ZnO nanoparticles in Schoenoplectus tabernaemontani. Chemosphere, 2015, 120, 211-219.	4.2	70
28	Assessing performance of porous pavements and bioretention cells for stormwater management in response to probable climatic changes. Journal of Environmental Management, 2019, 243, 157-167.	3.8	65
29	Fate of caffeine in mesocosms wetland planted with Scirpus validus. Chemosphere, 2013, 90, 1568-1572.	4.2	63
30	Phytoextraction, phytotransformation and rhizodegradation of ibuprofen associated with Typha angustifolia in a horizontal subsurface flow constructed wetland. Water Research, 2016, 102, 294-304.	5.3	61
31	Tropical Application of Floating Treatment Wetlands. Wetlands, 2012, 32, 955-961.	0.7	60
32	Fate of pharmaceutical compounds in hydroponic mesocosms planted with Scirpus validus. Environmental Pollution, 2013, 181, 98-106.	3.7	60
33	Experimental study on flow past a circular cylinder with rough surface. Ocean Engineering, 2015, 109, 7-13.	1.9	60
34	Force and flow characteristics of a circular cylinder with uniform surface roughness at subcritical Reynolds numbers. Applied Ocean Research, 2015, 49, 20-26.	1.8	60
35	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of P. aeruginosa. Scientific Reports, 2018, 8, 1155.	1.6	60
36	Vortex-induced vibrations of a neutrally buoyant circular cylinder near a plane wall. Journal of Fluids and Structures, 2013, 39, 188-204.	1.5	59

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37	Numerical simulation of patient-specific left ventricular model with both mitral and aortic valves by FSI approach. Computer Methods and Programs in Biomedicine, 2014, 113, 474-482.	2.6	59
38	Nonlinear scattering of non-breaking waves by a submerged horizontal plate: Experiments and simulations. Ocean Engineering, 2009, 36, 1332-1345.	1.9	58
39	High-throughput pyrosequencing analysis of bacteria relevant to cometabolic and metabolic degradation of ibuprofen in horizontal subsurface flow constructed wetlands. Science of the Total Environment, 2016, 562, 604-613.	3.9	52
40	Localized, Adaptive Recursive Partial Least Squares Regression for Dynamic System Modeling. Industrial & Engineering Chemistry Research, 2012, 51, 8025-8039.	1.8	50
41	Mechanism of secondary currents in open channel flows. Journal of Geophysical Research, 2012, 117, .	3.3	49
42	Control of flow past a dimpled circular cylinder. Experimental Thermal and Fluid Science, 2015, 69, 19-26.	1.5	49
43	Moving-Window GPR for Nonlinear Dynamic System Modeling with Dual Updating and Dual Preprocessing. Industrial & Engineering Chemistry Research, 2012, 51, 6416-6428.	1.8	48
44	Flow around four cylinders arranged in a square configuration. Journal of Fluids and Structures, 2013, 43, 179-199.	1.5	48
45	Conventional and decentralized urban stormwater management: A comparison through case studies of Singapore and Berlin, Germany. Urban Water Journal, 2017, 14, 113-124.	1.0	48
46	Sedimentation behavior of flocculant-treated soil slurry. Marine Georesources and Geotechnology, 2017, 35, 593-602.	1.2	48
47	Rheological properties of dense natural cohesive sediments subject to shear loadings. International Journal of Sediment Research, 2014, 29, 454-470.	1.8	46
48	Flow development in curved rectangular ducts with continuously varying curvature. Experimental Thermal and Fluid Science, 2016, 75, 1-15.	1.5	44
49	Analysis of Bayed Beaches in Static Equilibrium. Journal of Waterway, Port, Coastal and Ocean Engineering, 1994, 120, 145-153.	0.5	43
50	Uptake and accumulation of CuO nanoparticles and CdS/ZnS quantum dot nanoparticles by Schoenoplectus tabernaemontani in hydroponic mesocosms. Ecological Engineering, 2014, 70, 114-123.	1.6	43
51	Comparison of quadratic and power law for nonlinear flow through porous media. Experimental Thermal and Fluid Science, 2008, 32, 1538-1547.	1.5	40
52	Flow Structure and Sediment Motion around Submerged Vanes in Open Channel. Journal of Waterway, Port, Coastal and Ocean Engineering, 2005, 131, 132-136.	0.5	38
53	Source term treatment of SWEs using surface gradient upwind method. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 145-153.	0.7	37
54	Flow resistance and bed form geometry in a wide alluvial channel. Water Resources Research, 2005, 41, .	1.7	36

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55	Experimental measurements of the drag force and the near-wake flow patterns of a longitudinally grooved cylinder. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 145, 30-41.	1.7	36
56	SPH modeling of solitary wave fissions over uneven bottoms. Coastal Engineering, 2012, 60, 261-275.	1.7	34
57	Characterization of bacterial communities in wetland mesocosms receiving pharmaceutical-enriched wastewater. Ecological Engineering, 2016, 90, 215-224.	1.6	34
58	Experimental investigation on impingement of a submerged circular water jet at varying impinging angles and Reynolds numbers. Experimental Thermal and Fluid Science, 2017, 89, 189-198.	1.5	32
59	Phytoremediation of pharmaceutical-contaminated wastewater: Insights into rhizobacterial dynamics related to pollutant degradation mechanisms during plant life cycle. Chemosphere, 2020, 253, 126681.	4.2	32
60	Tsunami hazard from the subduction Megathrust of the South China Sea: Part II. Hydrodynamic modeling and possible impact on Singapore. Journal of Asian Earth Sciences, 2009, 36, 93-97.	1.0	30
61	Scaling of Velocity Profiles for Depth-Limited Open Channel Flows over Simulated Rigid Vegetation. Journal of Hydraulic Engineering, 2012, 138, 673-683.	0.7	30
62	Vibration and pressure fluctuation in a flexible hydraulic power systemon an aircraft. Computers and Fluids, 1998, 27, 1-9.	1.3	29
63	Future Scenarios Modeling of Urban Stormwater Management Response to Impacts of Climate Change and Urbanization. Clean - Soil, Air, Water, 2017, 45, 1700111.	0.7	29
64	On the Plastic Zone Size and the Crack Tip Opening Displacement of an Interface Crack Between two Dissimilar Materials. International Journal of Fracture, 2012, 176, 97-104.	1.1	28
65	Conventional and holistic urban stormwater management in coastal cities: a case study of the practice in Hong Kong and Singapore. International Journal of Water Resources Development, 2018, 34, 192-212.	1.2	28
66	Dean instability and secondary flow structure in curved rectangular ducts. International Journal of Heat and Fluid Flow, 2017, 68, 189-202.	1.1	27
67	Rheological Properties of Bed Sediments Subjected to Shear and Vibration Loads. Journal of Waterway, Port, Coastal and Ocean Engineering, 2014, 140, 109-113.	0.5	26
68	Influence of wall proximity on flow around two tandem circular cylinders. Ocean Engineering, 2015, 94, 36-50.	1.9	26
69	Assessing Hydrological Effects of Bioretention Cells for Urban Stormwater Runoff in Response to Climatic Changes. Water (Switzerland), 2019, 11, 997.	1.2	26
70	Life-cycle cost analysis and resilience consideration for coupled grey infrastructure and low-impact development practices. Sustainable Cities and Society, 2021, 75, 103358.	5.1	26
71	Velocity distribution in combined waveâ€“current flows. Advances in Water Resources, 2006, 29, 1196-1208.	1.7	25
72	Flow around two tandem square cylinders near a plane wall. Experiments in Fluids, 2014, 55, 1.	1.1	25

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73	Hydrostratigraphy and geochemistry at a coastal sandfill in Singapore. Hydrogeology Journal, 2007, 15, 1591-1604.	0.9	24
74	GPR model with signal preprocessing and bias update for dynamic processes modeling. Control Engineering Practice, 2012, 20, 1281-1292.	3.2	23
75	EROSION OF COHESIVE SOILS. Journal of Hydraulic Research/De Recherches Hydrauliques, 1984, 22, 217-233.	0.7	22
76	Use of Fluorescein as a Ground Water Tracer in Brackish Water Aquifers. Ground Water, 2007, 45, 85-88.	0.7	22
77	Experimental study on the near wake behind two side-by-side cylinders of unequal diameters. Fluid Dynamics Research, 2010, 42, 055509.	0.6	21
78	Google Earth as a tool in 2-D hydrodynamic modeling. Computers and Geosciences, 2011, 37, 38-46.	2.0	20
79	Assessment of plant-driven uptake and translocation of clofibric acid by Scirpus validus. Environmental Science and Pollution Research, 2013, 20, 4612-4620.	2.7	20
80	Experimental study on the flow around two tandem cylinders with unequal diameters. Journal of Ocean University of China, 2014, 13, 761-770.	0.6	20
81	Flow Resistance over Mobile Bed in an Open-Channel Flow. Journal of Hydraulic Engineering, 2008, 134, 937-947.	0.7	19
82	Recursive GPR for nonlinear dynamic process modeling. Chemical Engineering Journal, 2011, 173, 636-643.	6.6	19
83	Measurements of Fluctuation in Drag Acting on Rigid Cylinder Array in Open Channel Flow. Journal of Hydraulic Engineering, 2014, 140, 48-55.	0.7	19
84	On elasticâ€“plastic fracture behavior of a bi-layered composite plate with a sub-interface crack under mixed mode loading. Composites Part B: Engineering, 2014, 60, 60-73.	5.9	19
85	Incompressible SPH simulation of open channel flow over smooth bed. Journal of Hydro-Environment Research, 2015, 9, 340-353.	1.0	18
86	Performance of Tropical Vertical Subsurface Flow Constructed Wetlands at Different Hydraulic Loading Rates. Clean - Soil, Air, Water, 2016, 44, 938-948.	0.7	18
87	Efficient simulation of oxygen cutting using a composite heat source model. International Journal of Heat and Mass Transfer, 2013, 57, 304-311.	2.5	17
88	Estimation of boundary shear stress distribution in open channels using flownet. Journal of Hydraulic Research/De Recherches Hydrauliques, 2007, 45, 486-496.	0.7	16
89	Elasticâ€“plastic fracture behavior of a radial matrix crack interacting with a circle inclusion with generalized Irwin corrections. Acta Mechanica, 2014, 225, 91-107.	1.1	16
90	Application of incomplete similarity theory for estimating maximum shear layer thickness of granular flows in rotating drums. Chemical Engineering Science, 2011, 66, 2872-2878.	1.9	15

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91	Oscillating-grid turbulence and its applications: a review/ Turbulence de grille oscillante et ses applications: une revue. Journal of Hydraulic Research/De Recherches Hydrauliques, 2007, 45, 26-32.	0.7	14
92	Effect of shallow and narrow water on added mass of cylinders with various cross-sectional shapes. Ocean Engineering, 2005, 32, 1199-1215.	1.9	13
93	Errors in the Bed Shear Stress as Estimated from Vertical Velocity Profile. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 490-497.	0.6	13
94	Experimental investigation on the mean flow field and impact force of a semi-confined round impinging jet. Fluid Dynamics Research, 2015, 47, 025501.	0.6	13
95	Characterization of microbial communities in wetland mesocosms receiving caffeine-enriched wastewater. Environmental Science and Pollution Research, 2016, 23, 14526-14539.	2.7	13
96	Long-term performance of bioretention systems in storm runoff management under climate change and life-cycle condition. Sustainable Cities and Society, 2021, 65, 102598.	5.1	13
97	Frictional Resistance of Overland Flow on Tropical Turfed Slope. Journal of Hydraulic Engineering, 1992, 118, 92-97.	0.7	12
98	A simplified computational method for random seismic responses of a jacket platform. Ocean Engineering, 2014, 82, 85-90.	1.9	12
99	On the fracture behaviour of an interface crack with plastic zone corrections. Mechanics of Materials, 2013, 64, 128-134.	1.7	11
100	Effect of waves on reaeration. AICHE Journal, 2013, 59, 4839-4845.	1.8	11
101	Fate and behavior of dissolved organic matter in a submerged anoxic-aerobic membrane bioreactor (MBR). Environmental Science and Pollution Research, 2018, 25, 4289-4302.	2.7	11
102	A simple relationship for crenulate-shaped bay in static equilibrium. Coastal Engineering, 2008, 55, 73-78.	1.7	10
103	Bi-stable flow around tandem cylinders of different diameters at low Reynolds number. Fluid Dynamics Research, 2011, 43, 055506.	0.6	10
104	Elastic and plastic fracture analysis of a crack perpendicular to an interface between dissimilar materials. Acta Mechanica, 2012, 223, 1031-1045.	1.1	10
105	Non-spherical multi-oscillations of a bubble in a compressible liquid. Journal of Hydrodynamics, 2014, 26, 848-855.	1.3	10
106	Performance Characterization of Pharmaceutical Removal by Horizontal Subsurface Flow Constructed Wetlands Using Multivariate Analysis. Clean - Soil, Air, Water, 2015, 43, 1181-1189.	0.7	10
107	Flow behavior behind a clockwise-and-counterclockwise rotational oscillating cylinder. Ocean Engineering, 2018, 159, 410-421.	1.9	10
108	Laboratory Study of Porosity Effect on Drag Induced by Circular Vegetative Patch. Journal of Engineering Mechanics - ASCE, 2019, 145, .	1.6	10

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109	Synthetic Generation of Tropical Rainfall Time Series Using an Event-Based Method. Journal of Hydrologic Engineering - ASCE, 1997, 2, 83-89.	0.8	9
110	Environmental fluid dynamics-jet flow. Journal of Hydrodynamics, 2010, 22, 962-967.	1.3	9
111	An interface crack in a coating-substrate composite with mixed-mode Dugdale corrections. International Journal of Fracture, 2013, 179, 201-212.	1.1	9
112	An interface crack under biaxial loading with Dugdale plastic zone corrections in layered composite materials. Engineering Fracture Mechanics, 2013, 109, 209-220.	2.0	9
113	Online Ensemble Modeling for Real Time Water Level Forecasts. Water Resources Management, 2017, 31, 1105-1119.	1.9	9
114	Flow patterns of a low mass-damping cylinder undergoing vortex-induced vibration: Transition from initial branch and upper branch. Applied Ocean Research, 2017, 62, 89-99.	1.8	9
115	Experimental study of vortex-induced vibrations of a tethered cylinder. Journal of Fluids and Structures, 2012, 34, 51-67.	1.5	8
116	Wake flow behaviour behind a smaller cylinder oscillating in the wake of an upstream stationary cylinder. Fluid Dynamics Research, 2014, 46, 025505.	0.6	8
117	Effect of Feeding Strategies on Pharmaceutical Removal by Subsurface Flow Constructed Wetlands. Journal of Environmental Quality, 2012, 41, 1674-1680.	1.0	7
118	Statistical Modeling of Batch Versus Continuous Feeding Strategies for Pollutant Removal by Tropical Subsurface Flow Constructed Wetlands. Wetlands, 2013, 33, 335-344.	0.7	7
119	Particle image velocimetry technique measurements of the near wake behind a cylinder-pair of unequal diameters. Fluid Dynamics Research, 2013, 45, 045504.	0.6	7
120	Influence of Small Water Surface Perturbations on the Reaeration Process. Journal of Environmental Engineering, ASCE, 2014, 140, 04013010.	0.7	7
121	Ibuprofen removal in horizontal subsurface flow constructed wetlands: treatment performance and fungal community dynamics. Environmental Technology (United Kingdom), 2016, 37, 1467-1479.	1.2	7
122	Comparison and distribution of copper oxide nanoparticles and copper ions in activated sludge reactors. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 507-514.	0.9	7
123	Experimental investigation of interactions of three co-planar and converging jets. Experiments in Fluids, 2014, 55, 1.	1.1	6
124	SPH modeling of tidal bore scenarios. Natural Hazards, 2015, 75, 1247-1270.	1.6	6
125	Comparison of Flow Fields in a Centrifugal Pump Among Different Tracer Particles by Particle Image Velocimetry. Journal of Fluids Engineering, Transactions of the ASME, 2016, 138, .	0.8	6
126	Rainfall and soil detachment. Journal of Hydraulic Research/De Recherches Hydrauliques, 1989, 27, 699-715.	0.7	5

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127	Controlled field studies on soil aquifer treatment in a constructed coastal sandfill. Water Science and Technology, 2009, 60, 1283-1293.	1.2	5
128	Laboratory investigation of hydraulic performance of silt screens. Journal of Hydrodynamics, 2010, 22, 307-312.	1.3	5
129	Study on Plate Forming Using the Line Heating Process of Multiple-torch. Journal of Ship Production and Design, 2014, 30, 142-151.	0.2	5
130	Reply to comment by M. Bayani Cardenas and John L. Wilson on â€œFlow resistance and bed form geometry in a wide alluvial channelâ€• Water Resources Research, 2006, 42, .	1.7	4
131	Lagrangian modeling of tidal bores passing through bridge piers. Journal of Hydrodynamics, 2010, 22, 496-502.	1.3	4
132	Numerical study of an oscillating smaller cylinder in the wake of an upstream larger cylinder. Journal of Ocean University of China, 2012, 11, 111-117.	0.6	4
133	Velocity and turbulence characteristics around a silt screen. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2013, 166, 89-97.	1.4	4
134	Experimental study on orbital response and flow behavior behind a freely suspended cylinder. Ocean Engineering, 2015, 108, 439-448.	1.9	4
135	Random seismic response analysis of jacket structure with Timoshenko's beam theory. Ships and Offshore Structures, 2016, 11, 438-444.	0.9	4
136	Comparison of the effects and distribution of zinc oxide nanoparticles and zinc ions in activated sludge reactors. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1073-1081.	0.9	4
137	Experimental study on flow past a rotationally oscillating cylinder. China Ocean Engineering, 2017, 31, 495-503.	0.6	4
138	Effect of Heating Spacing on Deformation Distribution of Line Heating Process. Journal of Ship Production and Design, 2019, 35, 1-11.	0.2	4
139	Recognition and measurement of dispersed oil droplets in a water column. Journal of Hydraulic Research/De Recherches Hydrauliques, 2001, 39, 99-103.	0.7	3
140	Performances of Hydraulics and Bedload Sediment Flushing in Rigid Channel Using Surge Flows. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 171-179.	0.6	3
141	Experimental Studies of Vortex Structures in the Wake of a Cylinder With Helical Strakes. , 2010, , .		3
142	Hydrodynamics of trapezoidal embankment weirs. Journal of Hydrodynamics, 2010, 22, 375-379.	1.3	3
143	Application of Potential Theory to Steady Flow Past Two Cylinders in Tandem Arrangement. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	3
144	Reaeration Model for a Still-Water Body. Journal of Environmental Engineering, ASCE, 2015, 141, 04014052.	0.7	3

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145	Study of flow formed by three coplanar impinging pipe jets at inclination angles of 30Â° and 45Â°. Environmental Fluid Mechanics, 2016, 16, 635-658.	0.7	3
146	Flow past a near-wall retrograde rotating cylinder at varying rotation and gap ratios. Ocean Engineering, 2018, 156, 240-251.	1.9	3
147	Pointâ€Rainfall Measurement in Terms of Time Interval. Journal of Hydraulic Engineering, 1991, 117, 1304-1309.	0.7	2
148	Analysis of Bayed Beaches in Static Equilibrium. Journal of Waterway, Port, Coastal and Ocean Engineering, 1995, 121, 191-193.	0.5	2
149	Laser Imagery Technique for Measuring Dispersed Droplets in Water. Journal of Environmental Engineering, ASCE, 2002, 128, 1139-1145.	0.7	2
150	DOC and UVA attenuation with soil aquifer treatment in the saturated zone of an artificial coastal sandfill. Water Science and Technology, 2010, 62, 491-500.	1.2	2
151	Numerical study of two side-by-side cylinders with unequal diameters at low Reynolds number. IOP Conference Series: Earth and Environmental Science, 2012, 15, 062041.	0.2	2
152	Elastic and plastic stress analysis of an interface crack between two dissimilar layers. Acta Mechanica, 2012, 223, 2287-2301.	1.1	2
153	Finite Element Analysis and Structure Optimum Design of Lifting Padeye. Advanced Materials Research, 0, 658, 399-403.	0.3	2
154	Numerical and Experimental Study on Cutting Access Opening in Ship Structure. Journal of Ship Production and Design, 2017, 33, 12-23.	0.2	2
155	A Numerical Analysis of the Response and Air Gap Demand for Semi-Submersibles. , 2009, , .		2
156	Closure to â€œ Frictional Resistance of Overland Flow on Tropical Turfed Slope â€•by Yeeâ€Meng Chiew and Soonâ€Keat Tan (January, 1992, Vol. 118, No. 1). Journal of Hydraulic Engineering, 1993, 119, 147-147.	0.7	1
157	Use of Artificial Neural Networks as Explicit Finite Difference Operators. Journal of Computing in Civil Engineering, 2005, 19, 426-429.	2.5	1
158	Dynamic Analysis of a Slender Body of Revolution Berthing to a Wall. Journal of Fluids Engineering, Transactions of the ASME, 2009, 131, .	0.8	1
159	Decentralized Wastewater Management and Its Application in an Urban Area of Beijing, China. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
160	Three Dimensional Simulation of Bore Flow Using SPH. , 2010, , .		1
161	Experimental Study of Dynamic Drag and Lift Characteristics of Dimpled Cylinders. Marine Technology Society Journal, 2016, 50, 56-61.	0.3	1
162	Effect of Ritz Vectors on Random Seismic Response of Cantilever Beam. Journal of Vibration Engineering and Technologies, 2019, 7, 321-333.	1.3	1

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163	Performance of Constructed Wetland for the Removal of High-loaded Ibuprofen from Wastewater. International Journal of Environmental Sustainability, 2015, 10, 27-39.	0.1	1
164	NUMERICAL MODELLING OF KANDY LAKE, SRI-LANKA IN PREPARATION FOR WATER QUALITY IMPROVEMENT. , 2011, , 2050-2056.		1
165	Discussion of â€œ Roughness Values for Overland Flow in subcatchments â€•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.	0.6	0
166	Discussion of â€œ Static Equilibrium Bays: New Relationships â€•by John R. C. Hsu, Richard Silvester and Yiâ€Min Xia (May, 1989, Vol. 115, No. 3). Journal of Waterway, Port, Coastal and Ocean Engineering, 1991, 117, 194-196.	0.5	0
167	An Active Operator Guidance System for Ship Maneuversâ€”Prototype System. Marine Technology Society Journal, 2008, 42, 45-56.	0.3	0
168	Geochemical changes during recharge with tertiary-treated wastewater at a coastal sandfill. Water Science and Technology, 2009, 60, 1273-1281.	1.2	0
169	RESPONSES OF A FLOATING RECTANGULAR CAISSON TO REGULAR WAVES: A COMPARISON OF MEASUREMENTS WITH TIME-DOMAIN AND FREQUENCY-DOMAIN SIMULATIONS. , 2009, , .		0
170	Flow Around a Pipeline Near a Smooth Bed in Steady Current. , 2010, , .		0
171	Experimental Study on the Near Wake Behind Two Staggered Cylinders of Unequal Diameters. , 2012, , .		0
172	Experimental Study on the Flow Around a Moving Cylinder. , 2013, , .		0
173	The roles of acoustic cavitations in the ultrasonic cleansing of fouled micro-membranes. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
174	Flow Behavior Behind A Freely Suspended Cylinder in the Wake of A Stationary Cylinder. China Ocean Engineering, 2020, 34, 708-717.	0.6	0
175	Investigation of Inertial Effect in Simplified Porous Media Flow. , 2009, , 160-165.		0
176	46. Wave Amplification and Air-gap Response under a Multi-column Platform. , 2009, , .		0
177	A NUMERICAL STUDY OF VORTEX SHEDDING AFTER MULTIPLE CYLINDERS. , 2009, , .		0
178	EXPERIMENTAL STUDIES OF THE VORTICITY FIELD IN THE WAKE OF SIDE-BY-SIDE CIRCULAR CYLINDERS. , 2009, , .		0
179	A REVIEW OF THE CURRENT STATE-OF-THE-ARTS ON THE APPLICATION OF SILT SCREENS AS SEDIMENT CONTROL EQUIPMENT IN OPEN WATER. , 2009, , .		0
180	EXPERIMENTAL STUDY OF FLOW ABOUT A CIRCULAR CYLINDER IN SHALLOW WATER. , 2009, , .		0

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181	Flow Behavior Behind Two Side-by-Side Circular Cylinders With Unequal Diameters. , 2010, , .		0
182	VORTEX-INDUCED VIBRATION OF A CIRCULAR CYLINDER NEAR A PLANE WALL. , 2011, , 820-827.		0
183	VERTICAL SPREADING OF SURFACE JETS. , 2011, , 964-971.		0
184	Comparison of Stormwater Management in the Community Park between China and Singapore: A Case Study of Hillside Eco Park and Crescent and Pioneer Hall. , 2017, , .		0