

Pavel Tkalich

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.

44
papers

913
citations

15
h-index

29
g-index

47
ext. papers

1,067
ext. citations

3.8
avg, IF

4.15
L-index

#	Paper	IF	Citations
44	An ANN application for water quality forecasting. <i>Marine Pollution Bulletin</i> , 2008 , 56, 1586-97	6.7	285
43	Vertical mixing of oil droplets by breaking waves. <i>Marine Pollution Bulletin</i> , 2002 , 44, 1219-29	6.7	70
42	Mathematical modeling of radionuclide dispersion in the Pripyat-Dnieper aquatic system after the Chernobyl accident. <i>Science of the Total Environment</i> , 1992 , 112, 89-114	10.2	55
41	A multiphase oil spill model. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2003 , 41, 115-125	5.9	49
40	An oil spill-food chain interaction model for coastal waters. <i>Marine Pollution Bulletin</i> , 2001 , 42, 590-7	6.7	42
39	Impact of biomass burning on ocean water quality in Southeast Asia through atmospheric deposition: field observations. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 11323-11336	6.8	37
38	Tsunami propagation scenarios in the South China Sea. <i>Journal of Asian Earth Sciences</i> , 2009 , 36, 67-73	2.8	33
37	Hybrid ANN-GA model for predicting turbidity and chlorophyll-a concentrations. <i>Journal of Hydro-Environment Research</i> , 2013 , 7, 279-299	2.3	29
36	A CFD solution of oil spill problems. <i>Environmental Modelling and Software</i> , 2006 , 21, 271-282	5.2	26
35	Sea level trend and variability around Peninsular Malaysia. <i>Ocean Science</i> , 2015 , 11, 617-628	4	24
34	Sea level trend and variability in the Singapore Strait. <i>Ocean Science</i> , 2013 , 9, 293-300	4	20
33	ANN application for prediction of atmospheric nitrogen deposition to aquatic ecosystems. <i>Marine Pollution Bulletin</i> , 2011 , 62, 1198-206	6.7	19
32	Artificial neural network for tsunami forecasting. <i>Journal of Asian Earth Sciences</i> , 2009 , 36, 29-37	2.8	19
31	Modelling of tsunami-like wave run-up, breaking and impact on a vertical wall by SPH method. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 3457-3467	3.9	15
30	Breaking wind waves as a source of ambient noise. <i>Journal of the Acoustical Society of America</i> , 2002 , 112, 456-63	2.2	15
29	Inter-annual sea level variability in the southern South China Sea. <i>Global and Planetary Change</i> , 2015 , 133, 17-26	4.2	13
28	Impact of biomass burning on ocean water quality in Southeast Asia through atmospheric deposition: eutrophication modeling. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 11337-11357	6.8	13

27	Numerical modelling of extreme waves by Smoothed Particle Hydrodynamics. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 419-429	3.9	11
26	Atmospheric fluxes of nutrients onto Singapore Strait. <i>Water Science and Technology</i> , 2009 , 59, 2287-95	2.2	11
25	Storm surges in the Singapore Strait due to winds in the South China Sea. <i>Natural Hazards</i> , 2013 , 66, 1345-1362	3.5	10
24	The Physical Oceanography of Singapore Coastal Waters and Its Implications for Oil Spills 2006 , 393-412		10
23	Regime shift of the South China Sea SST in the late 1990s. <i>Climate Dynamics</i> , 2017 , 48, 1873-1882	4.2	9
22	Dynamical and thermodynamical analysis of the South China Sea winter cold tongue. <i>Climate Dynamics</i> , 2016 , 47, 1629-1646	4.2	9
21	Temporal variability and climatology of hydrodynamic, water property and water quality parameters in the West Johor Strait of Singapore. <i>Marine Pollution Bulletin</i> , 2013 , 77, 380-95	6.7	9
20	Modelling the effect of atmospheric nitrogen deposition on marine phytoplankton in the Singapore Strait. <i>Water Science and Technology</i> , 2010 , 61, 859-67	2.2	9
19	The forced and free response of the South China Sea to the large-scale monsoon system. <i>Ocean Dynamics</i> , 2012 , 62, 377-393	2.3	8
18	Retrieval of missing values in water temperature series using a data-driven model. <i>Earth Science Informatics</i> , 2015 , 8, 787-798	2.5	7
17	Mixed layer thermodynamics of the Southern South China Sea. <i>Climate Dynamics</i> , 2014 , 43, 2061-2075	4.2	7
16	Tsunami forecasting using proper orthogonal decomposition method. <i>Journal of Geophysical Research</i> , 2008 , 113,		7
15	A high-resolution atmosphere-ocean coupled model for the western Maritime Continent: development and preliminary assessment. <i>Climate Dynamics</i> , 2019 , 52, 3951-3981	4.2	7
14	TSUNAMI PROPAGATION MODELING AND FORECASTING FOR EARLY WARNING SYSTEM. <i>Journal of Earthquake and Tsunami</i> , 2007 , 01, 87-98	1.1	5
13	Growth rate for a zooxanthellate coral (<i>Leptoseris hawaiiensis</i>) at 90m. <i>Galaxea</i> , 2013 , 15, 39-40	0.5	5
12	Monitoring harmful algal blooms in Singapore: Developing a HABs observing system 2012 ,		4
11	Derivation of high-order advection-diffusion schemes. <i>Journal of Hydroinformatics</i> , 2006 , 8, 149-164	2.6	4
10	Influence of the wind waves dissipation processes on dynamics in the water upper layer. <i>Ocean Modelling</i> , 2006 , 11, 193-213	3	4

9	Global mean sea level rise during the recent warming hiatus from satellite-based data. <i>Remote Sensing Letters</i> , 2018 , 9, 497-506	2.3	3
8	An improved empirical dynamic control system model of global mean sea level rise and surface temperature change. <i>Theoretical and Applied Climatology</i> , 2018 , 132, 375-385	3	3
7	A storm surge forecasting system for the Singapore Strait. <i>Smart Water</i> , 2016 , 1,	2.9	3
6	Assessment of Kinetic Tidal Energy Resources Using SELFE. <i>The International Journal of Ocean and Climate Systems</i> , 2014 , 5, 141-149		1
5	Ocean hydrodynamics model with tidal forcing derived using an Artificial Neural Network 2006 ,		1
4	The third-order polynomial method for two-dimensional convection and diffusion. <i>International Journal for Numerical Methods in Fluids</i> , 2003 , 41, 997-1019	1.9	1
3	Development of a MetUM (v 11.1) and NEMO (v 3.6) coupled operational forecast model for the Maritime Continent [Part 1: Evaluation of ocean forecasts. <i>Geoscientific Model Development</i> , 2021 , 14, 1081-1100	6.3	1
2	Hopping numerical approximations of the hyperbolic equation. <i>International Journal for Numerical Methods in Fluids</i> , 2007 , 55, 1171-1188	1.9	
1	Long-term regional trend and variability of mean sea level during the satellite altimetry era. <i>Scientia Marina</i> , 2019 , 83, 111	1.8	