

# Tienfuan Kerh

## 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.

21  
papers

368  
citations

9  
h-index

19  
g-index

23  
ext. papers

398  
ext. citations

2.7  
avg, IF

3.19  
L-index

#	Paper	IF	Citations
21	Incorporating global search capability of a genetic algorithm into neural computing to model seismic records and soil test data. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 437-448	4.8	5
20	Investigating Nonlinear Shoreline Multiperiod Change from Orthophoto Map Information by Using a Neural Network Model. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-9	1.1	2
19	Seismic Design Value Evaluation Based on Checking Records and Site Geological Conditions Using Artificial Neural Networks. <i>Abstract and Applied Analysis</i> , <b>2013</b> , 2013, 1-12	0.7	1
18	Neural Network Approach for Analyzing Seismic Data to Identify Potentially Hazardous Bridges. <i>Mathematical Problems in Engineering</i> , <b>2011</b> , 2011, 1-15	1.1	5
17	MODELLING REFERENCE EVAPOTRANSPIRATION USING FEED FORWARD BACKPROPAGATION ALGORITHM IN ARID REGIONS OF AFRICA. <i>Irrigation and Drainage</i> , <b>2011</b> , 60, 404-417	1.1	25
16	Artificial neural network for modeling reference evapotranspiration complex process in Sudano-Sahelian zone. <i>Agricultural Water Management</i> , <b>2010</b> , 97, 707-714	5.9	97
15	Evaluations of the strong ground motion parameter by neural computing and microtremor measurement <b>2010</b> ,		1
14	A mixture neural methodology for computing rice consumptive water requirements in Fada N'Gourma Region, Eastern Burkina Faso. <i>Paddy and Water Environment</i> , <b>2010</b> , 8, 165-173	1.6	13
13	Neural computing with genetic algorithm in evaluating potentially hazardous metropolitan areas result from earthquake. <i>Neural Computing and Applications</i> , <b>2010</b> , 19, 521-529	4.8	10
12	Forecasting of Nonlinear Shoreline Variation Based on Aerial Survey Map by Neural Network Approach. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2009</b> , 10,	1.8	5
11	Neural networks forecasting of flood discharge at an unmeasured station using river upstream information. <i>Advances in Engineering Software</i> , <b>2006</b> , 37, 533-543	3.6	40
10	Neural network estimation of ground peak acceleration at stations along Taiwan high-speed rail system. <i>Engineering Applications of Artificial Intelligence</i> , <b>2005</b> , 18, 857-866	7.2	40
9	Experimental Evaluation of Anti-stripping Additives Mixing in Road Surface Pavement Materials. <i>American Journal of Applied Sciences</i> , <b>2005</b> , 2, 1427-1433	0.8	3
8	Neural networks approach and microtremor measurements in estimating peak ground acceleration due to strong motion. <i>Advances in Engineering Software</i> , <b>2002</b> , 33, 733-742	3.6	36
7	Application of Galerkin Time Scheme to Investigate Unsteady Flow Around an Inclined Plate. <i>International Journal of Modelling and Simulation</i> , <b>2000</b> , 20, 69-78	1.5	2
6	Estimation of groundwater recharge using the chloride mass-balance method, Pingtung Plain, Taiwan. <i>Hydrogeology Journal</i> , <b>1998</b> , 6, 282-292	3.1	45
5	Finite element analysis of fluid motion with an oscillating structural system. <i>Advances in Engineering Software</i> , <b>1998</b> , 29, 717-722	3.6	4

4	Transient Fluid-Structure Interaction in a Control Valve. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>1997</b> , 119, 354-359	2.1	22
3	A conforming quadrilateral plate bending element with shear deformations. <i>Computers and Structures</i> , <b>1995</b> , 56, 93-100	4.5	5
2	Predictions Of Confined Shear Flows Over A Wall Obstacle. <i>International Journal of Modelling and Simulation</i> , <b>1995</b> , 15, 23-29	1.5	4
1	Numerical Calculations For Pulsating Flow Past A Bluff Body. <i>International Journal of Modelling and Simulation</i> , <b>1994</b> , 14, 112-116	1.5	3