Chun Kiat Chang

List of Publications by Year
in descending order

29 papers	1,026 citations	430874 18 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1009 citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Extreme Tropical Precipitation and Flood Inundation Mapping Framework (RETRACE): Initial Testing for the 2021–2022 Malaysia Flood. ISPRS International Journal of Geo-Information, 2022, 11, 378.	2.9	8
2	Assessing the Effectiveness of Mitigation Strategies for Flood Risk Reduction in the Segamat River Basin, Malaysia. Sustainability, 2021, 13, 3286.	3.2	12
3	A Review of Roof and Pond Rainwater Harvesting Systems for Water Security: The Design, Performance and Way Forward. Water (Switzerland), 2020, 12, 3163.	2.7	25
4	Comparison of NCEP-CFSR and CMADS for Hydrological Modelling Using SWAT in the Muda River Basin, Malaysia. Water (Switzerland), 2020, 12, 3288.	2.7	11
5	A review of bioretention components and nutrient removal under different climates—future directions for tropics. Environmental Science and Pollution Research, 2019, 26, 14904-14919.	5.3	44
6	INSTITUTIONAL REFORMFOR WATER CONFLICT RESOLUTION IN MALAYSIA: A PRELIMINARY STUDY OF PENANG STATE AND KEDAH STATE. , 2019, , .		0
7	Integrated Urban Stormwater Management and Planning for New Township Development in Malaysia. MATEC Web of Conferences, 2018, 246, 01112.	0.2	4
8	Mesocosm study of enhanced bioretention media in treating nutrient rich stormwater for mixed development area. Urban Water Journal, 2017, 14, 134-142.	2.1	45
9	ANALYSIS OF TRENDS OF EXTREME RAINFALL EVENTS USING MANN KENDALL TEST: A CASE STUDY IN PAHANG AND KELANTAN RIVER BASINS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	4
10	Influence of Hydraulic Conductivity and Organic Matter Content in Different Bioretention Media on Nutrient Removal. Applied Mechanics and Materials, 2015, 802, 448-453.	0.2	3
11	Prediction of water quality index in constructed wetlands using support vector machine. Environmental Science and Pollution Research, 2015, 22, 6208-6219.	5.3	121
12	Spatial pattern analysis for water quality in free-surface constructed wetland. Water Science and Technology, 2014, 70, 1161-1167.	2.5	15
13	Constructed Wetlands as a Natural Resource for Water Quality Improvement in Malaysia. Natural Resources, 2014, 05, 292-298.	0.4	3
14	Suspended sediment load prediction of river systems: GEP approach. Arabian Journal of Geosciences, 2013, 6, 3469-3480.	1.3	35
15	Sungai Pahang digital flood mapping: 2007 flood. International Journal of River Basin Management, 2012, 10, 139-148.	2.7	32
16	Appraisal of soft computing techniques in prediction of total bed material load in tropical rivers. Journal of Earth System Science, 2012, 121, 125-133.	1.3	35
17	Prediction of total bed material load for rivers in Malaysia: A case study of Langat, Muda and Kurau Rivers. Environmental Fluid Mechanics, 2011, 11, 307-318.	1.6	27
18	Gene-Expression Programming for the Development of a Stage-Discharge Curve of the Pahang River. Water Resources Management, 2011, 25, 2901-2916.	3.9	102

#	Article	IF	Citations
19	Gene expression programming for total bed material load estimation—a case study. Science of the Total Environment, 2010, 408, 5078-5085.	8.0	59
20	Machine Learning Approach to Predict Sediment Load – A Case Study. Clean - Soil, Air, Water, 2010, 38, 969-976.	1.1	62
21	Case Study: Flood Mitigation of the Muda River, Malaysia. Journal of Hydraulic Engineering, 2010, 136, 251-261.	1.5	51
22	A temporal change study of the Muda River system over 22 years. International Journal of River Basin Management, 2010, 8, 25-37.	2.7	26
23	An ANFIS-based approach for predicting the bed load for moderately sized rivers. Journal of Hydro-Environment Research, 2009, 3, 35-44.	2.2	79
24	Modelling urban river catchment: a case study in Malaysia. Water Management, 2009, 162, 25-34.	1.2	6
25	Genetic Programming to Predict Ski-Jump Bucket Spill-Way Scour. Journal of Hydrodynamics, 2008, 20, 477-484.	3.2	47
26	Sediment transport modeling for Kulim River – A case study. Journal of Hydro-Environment Research, 2008, 2, 47-59.	2.2	31
27	Comparison between genetic algorithm and linear programming approach for real time operation. Journal of Hydro-Environment Research, 2008, 2, 172-181.	2.2	102
28	Revised equations for Manning's coefficient for Sand–Bed Rivers. International Journal of River Basin Management, 2007, 5, 329-346.	2.7	31
29	INTEGRATED TRIANGULAR IRREGULAR NETWORK (ITIN) MODEL FOR FLOOD RISK ANALYSIS CASE STUDY: PARI RIVER, IPOH, MALAYSIA. , 2002, , .		0