David Ching-Fang Shih

List of Publications by Year
in descending order

28 papers	308 citations	840728 11 h-index	888047 17 g-index
29 all docs	29 docs citations	29 times ranked	171 citing authors

#	Article	IF	Citations
1	Coherence between sunlight quantum and soil water content in the shallow Quaternary gravel layer: Evidence of the spectral analysis. Journal of Hydrology, 2022, 608, 127578.	5.4	7
2	Rotary Spectral Analysis for Directional Time Series: Seasonal Variation of Wind Speed on a Subtropical Island near the Western Pacific Ocean. Pure and Applied Geophysics, 2021, 178, 1369-1385.	1.9	1
3	A practical assessment of aquifer discharge for regional groundwater demand by characterizing leaky confined aquifer overlain on a Mesozoic granitic gneiss basement. Journal of Hydrology, 2018, 559, 995-1001.	5.4	4
4	Hydraulic diffusivity in a coastal aquifer: spectral analysis of groundwater level in responses to marine system. Stochastic Environmental Research and Risk Assessment, 2018, 32, 311-320.	4.0	10
5	Reliability and risk assessment for radioactive release to a Quaternary aquifer considering specified limit as resistance and in situ groundwater condition as load. Journal of Hydrology, 2018, 565, 552-558.	5.4	1
6	Identification of Individual Efficiency for Barometric Pressure and Ocean Tide Load Simultaneously Acted on Deep Aquifers Adjacent to the West Pacific Ocean. Pure and Applied Geophysics, 2018, 175, 4643-4654.	1.9	0
7	Storage in confined aquifer: Spectral analysis of groundwater in responses to <scp>E</scp>arth tides and barometric effect. Hydrological Processes, 2018, 32, 1927-1935.	2.6	14
8	Groundwater storage inferred from earthquake activities around East Asia and West Pacific Ocean. Journal of Hydrology, 2017, 544, 363-372.	5.4	7
9	Significant coherence for groundwater and Rayleigh waves: Evidence in spectral response of groundwater level in Taiwan using 2011 Tohoku earthquake, Japan. Journal of Hydrology, 2013, 486, 57-70.	5.4	18
10	Radionuclide Transport in Granitic Rock Considering Multiple-Member Decay Chain: Application of Spent Nuclear Fuel Final Disposal. Water, Air, and Soil Pollution, 2011, 215, 205-219.	2.4	2
11	Sea level fluctuations on the east coast of Taiwan that overlie continental shelf break. Stochastic Environmental Research and Risk Assessment, 2010, 24, 29-46.	4.0	1
12	Potential volume for CO2 deep ocean sequestration: an assessment of the area located on western Pacific Ocean. Stochastic Environmental Research and Risk Assessment, 2010, 24, 705-711.	4.0	5
13	Storage in confined aquifer: Spectral analysis of groundwater responses to seismic Rayleigh waves. Journal of Hydrology, 2009, 374, 83-91.	5.4	22
14	Uncertainty propagation of hydrodispersive transfer in an aquifer: an illustration of one-dimensional contaminant transport with slug injection. Stochastic Environmental Research and Risk Assessment, 2009, 23, 613-620.	4.0	5
15	Wind characterization and potential assessment using spectral analysis. Stochastic Environmental Research and Risk Assessment, 2008, 22, 247-256.	4.0	12
16	Assessment of long-term variation in displacement for a GPS site adjacent to a transition zone between collision and subduction. Stochastic Environmental Research and Risk Assessment, 2008, 22, 401-410.	4.0	5
17	Spectral decomposition of periodic ground water fluctuation in a coastal aquifer. Hydrological Processes, 2008, 22, 1755-1765.	2.6	18
18	Contaminant transport in one-dimensional single fractured media: semi-analytical solution for three-member decay chain with pulse and Heaviside input sources. Hydrological Processes, 2007, 21, 2135-2143.	2.6	10

#	Article	IF	Citations
19	Application of spectral analysis to determine hydraulic diffusivity of a sandy aquifer(Pingtung) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	25
20	Uncertainty analysis: one-dimensional radioactive nuclide transport in a single fractured media. Stochastic Environmental Research and Risk Assessment, 2004, 18, 198-204.	4.0	7
21	Contaminant transport in fractured media: analytical solution and sensitivity study considering pulse, Dirac delta and sinusoid input sources. Hydrological Processes, 2002, 16, 3265-3278.	2.6	5
22	Identification of phase propagation of water level in tidal river by spectral analysis. Stochastic Environmental Research and Risk Assessment, 2002, 16, 449-463.	4.0	9
23	Spectral analysis of water level fluctuations in aquifers. Stochastic Environmental Research and Risk Assessment, 2002, 16, 374-398.	4.0	22
24	SPECTRAL ANALYSIS OF TIDAL FLUCTUATIONS IN GROUND WATER LEVEL. Journal of the American Water Resources Association, 2000, 36, 1087-1099.	2.4	23
25	Applicability of spectral analysis to determine hydraulic diffusivity. Stochastic Environmental Research and Risk Assessment, 2000, 14, 0091-0108.	4.0	8
26	INVERSE SOLUTION OF HYDRAULIC DIFFUSIVITY DETERMINED BY WATER LEVEL FLUCTUATION. Journal of the American Water Resources Association, 1999, 35, 37-47.	2.4	20
27	Determination of hydraulic diffusivity of aquifers by spectral analysis. Stochastic Environmental Research and Risk Assessment, 1999, 13, 85-99.	4.0	21
28	Spectral responses of water level in tidal river and groundwater. Hydrological Processes, 1999, 13, 889-911.	2.6	28