Tsun-Kuo Chang

List of Publications by Year
in descending order

32	1,123	331259	454577
papers	citations	21 h-index	30 g-index

32	32	32	1330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of Waste Lemon Extract to Toxic Metal Removal through Gravitational Soil Flushing and Composting Stabilization. Sustainability, 2020, 12, 5751.	1.6	3
2	A multiple model approach for evaluating the performance of time-lapse capsules in trapping heavy metals from water bodies. RSC Advances, 2020, 10, 16490-16501.	1.7	24
3	Establishment of an Automatic Real-Time Monitoring System for Irrigation Water Quality Management. International Journal of Environmental Research and Public Health, 2020, 17, 737.	1.2	5
4	Application of Time-Lapse Ion Exchange Resin Sachets (TIERS) for Detecting Illegal Effluent Discharge in Mixed Industrial and Agricultural Areas, Taiwan. Sustainability, 2019, 11, 3129.	1.6	5
5	Rapid assessment of heavy metal pollution using ion-exchange resin sachets and micro-XRF core-scanning. Scientific Reports, 2019, 9, 6601.	1.6	23
6	Greywater treatment by granular filtration system using volcanic tuff and gravel media. Water Science and Technology, 2017, 75, 2331-2341.	1.2	25
7	Applications of Information and Communication Technology for Improvements of Water and Soil Monitoring and Assessments in Agricultural Areasâ€"A Case Study in the Taoyuan Irrigation District. Environments - MDPI, 2017, 4, 6.	1.5	10
8	Efficiency of a Horizontal Sub-Surface Flow Constructed Wetland Treatment System in an Arid Area. Water (Switzerland), 2016, 8, 51.	1.2	28
9	Impacts on soil quality from long-term irrigation with treated greywater. Paddy and Water Environment, 2016, 14, 289-297.	1.0	13
10	Lead Isotope Characterization of Petroleum Fuels in Taipei, Taiwan. International Journal of Environmental Research and Public Health, 2015, 12, 4602-4616.	1.2	41
11	Using Landscape Metrics Analysis and Analytic Hierarchy Process to Assess Water Harvesting Potential Sites in Jordan. Environments - MDPI, 2015, 2, 415-434.	1.5	10
12	Geospatial Disparities and the Underlying Causes of Major Cancers for Women in Taiwan. International Journal of Environmental Research and Public Health, 2014, 11, 5613-5627.	1.2	1
13	A design of spatial decision support system to enhance decision progress in agricultural actions. , 2014, , .		1
14	Assessing and Mapping Spatial Associations among Oral Cancer Mortality Rates, Concentrations of Heavy Metals in Soil, and Land Use Types Based on Multiple Scale Data. International Journal of Environmental Research and Public Health, 2014, 11, 2148-2168.	1.2	21
15	Assessing how heavy metal pollution and human activity are related by using logistic regression and kriging methods. Geoderma, 2011, 163, 275-282.	2.3	54
16	Applying Factor Analysis Combined with Kriging and Information Entropy Theory for Mapping and Evaluating the Stability of Groundwater Quality Variation in Taiwan. International Journal of Environmental Research and Public Health, 2011, 8, 1084-1109.	1.2	85
17	Hotspot Analysis of Spatial Environmental Pollutants Using Kernel Density Estimation and Geostatistical Techniques. International Journal of Environmental Research and Public Health, 2011, 8, 75-88.	1.2	41
18	Possible association between nickel and chromium and oral cancer: A caseâ€"control study in central Taiwan. Science of the Total Environment, 2011, 409, 1046-1052.	3.9	70

#	Article	IF	Citations
19	A critical exploration of blood and environmental chromium concentration among oral cancer patients in an oral cancer prevalent area of Taiwan. Environmental Geochemistry and Health, 2011, 33, 469-476.	1.8	27
20	Modeling spatial uncertainty of heavy metal content in soil by conditional Latin hypercube sampling and geostatistical simulation. Environmental Earth Sciences, 2011, 62, 299-311.	1.3	16
21	Spatial Autocorrelation Analysis of Soil Pollution Data in Central Taiwan. , 2011, , .		3
22	Incidence of oral cancer in relation to nickel and arsenic concentrations in farm soils of patients' residential areas in Taiwan. BMC Public Health, 2010, 10, 67.	1.2	56
23	Combining a finite mixture distribution model with indicator kriging to delineate and map the spatial patterns of soil heavy metal pollution in Chunghua County, central Taiwan. Environmental Pollution, 2010, 158, 235-244.	3.7	92
24	Arsenic and lead (beudantite) contamination of agricultural rice soils in the Guandu Plain of northern Taiwan. Journal of Hazardous Materials, 2010, 181, 1066-1071.	6.5	55
25	Elucidating the underlying causes of oral cancer through spatial clustering in high-risk areas of Taiwan with a distinct gender ratio of incidence. Geospatial Health, 2010, 4, 231.	0.3	31
26	Spatiotemporal Trends in Oral Cancer Mortality and Potential Risks Associated with Heavy Metal Content in Taiwan Soil. International Journal of Environmental Research and Public Health, 2010, 7, 3916-3928.	1.2	27
27	Delineating the hazard zone of multiple soil pollutants by multivariate indicator kriging and conditioned Latin hypercube sampling. Geoderma, 2010, 158, 242-251.	2.3	41
28	Spatiotemporal Analysis and Mapping of Oral Cancer Risk in Changhua County (Taiwan): An Application of Generalized Bayesian Maximum Entropy Method. Annals of Epidemiology, 2010, 20, 99-107.	0.9	17
29	Assessing Impacts of Typhoons and the Chi-Chi Earthquake on Chenyulan Watershed Landscape Pattern in Central Taiwan Using Landscape Metrics. Environmental Management, 2006, 38, 108-125.	1.2	25
30	Multivariate analysis of soil heavy metal pollution and landscape pattern in Changhua county in Taiwan. Landscape and Urban Planning, 2002, 62, 19-35.	3.4	150
31	Factorial and indicator kriging methods using a geographic information system to delineate spatial variation and pollution sources of soil heavy metals. Environmental Geology, 2002, 42, 900-909.	1.2	62
32	Characterization of soil lead by comparing sequential Gaussian simulation, simulated annealing simulation and kriging methods. Environmental Geology, 2001, 41, 189-199.	1.2	61