

# Tsun-Kuo Chang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1802123/publications.pdf>

Version: 2024-02-01

32  
papers

1,123  
citations

331538

21  
h-index

454834

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariate analysis of soil heavy metal pollution and landscape pattern in Changhua county in Taiwan. <i>Landscape and Urban Planning</i> , 2002, 62, 19-35.	3.4	150
2	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. <i>Environmental Pollution</i> , 2010, 158, 235-244.	3.7	92
3	Applying Factor Analysis Combined with Kriging and Information Entropy Theory for Mapping and Evaluating the Stability of Groundwater Quality Variation in Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 1084-1109.	1.2	85
4	Possible association between nickel and chromium and oral cancer: A case-control study in central Taiwan. <i>Science of the Total Environment</i> , 2011, 409, 1046-1052.	3.9	70
5	Factorial and indicator kriging methods using a geographic information system to delineate spatial variation and pollution sources of soil heavy metals. <i>Environmental Geology</i> , 2002, 42, 900-909.	1.2	62
6	Characterization of soil lead by comparing sequential Gaussian simulation, simulated annealing simulation and kriging methods. <i>Environmental Geology</i> , 2001, 41, 189-199.	1.2	61
7	Incidence of oral cancer in relation to nickel and arsenic concentrations in farm soils of patients' residential areas in Taiwan. <i>BMC Public Health</i> , 2010, 10, 67.	1.2	56
8	Arsenic and lead (beudantite) contamination of agricultural rice soils in the Guandu Plain of northern Taiwan. <i>Journal of Hazardous Materials</i> , 2010, 181, 1066-1071.	6.5	55
9	Assessing how heavy metal pollution and human activity are related by using logistic regression and kriging methods. <i>Geoderma</i> , 2011, 163, 275-282.	2.3	54
10	Delineating the hazard zone of multiple soil pollutants by multivariate indicator kriging and conditioned Latin hypercube sampling. <i>Geoderma</i> , 2010, 158, 242-251.	2.3	41
11	Hotspot Analysis of Spatial Environmental Pollutants Using Kernel Density Estimation and Geostatistical Techniques. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 75-88.	1.2	41
12	Lead Isotope Characterization of Petroleum Fuels in Taipei, Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 4602-4616.	1.2	41
13	Elucidating the underlying causes of oral cancer through spatial clustering in high-risk areas of Taiwan with a distinct gender ratio of incidence. <i>Geospatial Health</i> , 2010, 4, 231.	0.3	31
14	Efficiency of a Horizontal Sub-Surface Flow Constructed Wetland Treatment System in an Arid Area. <i>Water (Switzerland)</i> , 2016, 8, 51.	1.2	28
15	Spatiotemporal Trends in Oral Cancer Mortality and Potential Risks Associated with Heavy Metal Content in Taiwan Soil. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 3916-3928.	1.2	27
16	A critical exploration of blood and environmental chromium concentration among oral cancer patients in an oral cancer prevalent area of Taiwan. <i>Environmental Geochemistry and Health</i> , 2011, 33, 469-476.	1.8	27
17	Assessing Impacts of Typhoons and the Chi-Chi Earthquake on Chenyulan Watershed Landscape Pattern in Central Taiwan Using Landscape Metrics. <i>Environmental Management</i> , 2006, 38, 108-125.	1.2	25
18	Greywater treatment by granular filtration system using volcanic tuff and gravel media. <i>Water Science and Technology</i> , 2017, 75, 2331-2341.	1.2	25

#	ARTICLE	IF	CITATIONS
19	A multiple model approach for evaluating the performance of time-lapse capsules in trapping heavy metals from water bodies. <i>RSC Advances</i> , 2020, 10, 16490-16501.	1.7	24
20	Rapid assessment of heavy metal pollution using ion-exchange resin sachets and micro-XRF core-scanning. <i>Scientific Reports</i> , 2019, 9, 6601.	1.6	23
21	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. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 2148-2168.	1.2	21
22	Spatiotemporal Analysis and Mapping of Oral Cancer Risk in Changhua County (Taiwan): An Application of Generalized Bayesian Maximum Entropy Method. <i>Annals of Epidemiology</i> , 2010, 20, 99-107.	0.9	17
23	Modeling spatial uncertainty of heavy metal content in soil by conditional Latin hypercube sampling and geostatistical simulation. <i>Environmental Earth Sciences</i> , 2011, 62, 299-311.	1.3	16
24	Impacts on soil quality from long-term irrigation with treated greywater. <i>Paddy and Water Environment</i> , 2016, 14, 289-297.	1.0	13
25	Using Landscape Metrics Analysis and Analytic Hierarchy Process to Assess Water Harvesting Potential Sites in Jordan. <i>Environments - MDPI</i> , 2015, 2, 415-434.	1.5	10
26	Applications of Information and Communication Technology for Improvements of Water and Soil Monitoring and Assessments in Agricultural Areas—A Case Study in the Taoyuan Irrigation District. <i>Environments - MDPI</i> , 2017, 4, 6.	1.5	10
27	Application of Time-Lapse Ion Exchange Resin Sachets (TIERS) for Detecting Illegal Effluent Discharge in Mixed Industrial and Agricultural Areas, Taiwan. <i>Sustainability</i> , 2019, 11, 3129.	1.6	5
28	Establishment of an Automatic Real-Time Monitoring System for Irrigation Water Quality Management. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 737.	1.2	5
29	Spatial Autocorrelation Analysis of Soil Pollution Data in Central Taiwan. , 2011, , .		3
30	Application of Waste Lemon Extract to Toxic Metal Removal through Gravitational Soil Flushing and Composting Stabilization. <i>Sustainability</i> , 2020, 12, 5751.	1.6	3
31	Geospatial Disparities and the Underlying Causes of Major Cancers for Women in Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 5613-5627.	1.2	1
32	A design of spatial decision support system to enhance decision progress in agricultural actions. , 2014, , .		1