

Kelvin T W Ng

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,500
citations

236833

25
h-index

345118

36
g-index

59
all docs

59
docs citations

59
times ranked

693
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the untapped potential of solar photovoltaic energy at a smart campus: Shadow and cloud analyses. <i>Energy and Environment</i> , 2022, 33, 511-526.	2.7	9
2	Heterogeneous numerical modelling for the auto thermal reforming of crude glycerol in a fixed bed reactor. <i>Chinese Journal of Chemical Engineering</i> , 2022, 42, 261-268.	1.7	1
3	What have we known so far about microplastics in drinking water treatment? A timely review. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 58.	3.3	21
4	Identification of Critical Barriers for E-Waste Management in an Evolving Economy Using Best Worst Method. , 2022, , 194-208.		0
5	Virtual Methodology for Household Waste Characterization During The Pandemic in An Urban District of Peru: Citizen Science for Waste Management. <i>Environmental Management</i> , 2022, 69, 1078-1090.	1.2	12
6	Yard waste prediction from estimated municipal solid waste using the grey theory to achieve a zero-waste strategy. <i>Environmental Science and Pollution Research</i> , 2022, 29, 46859-46874.	2.7	16
7	Hospital waste generation during the first wave of COVID-19 pandemic: a case study in Delhi. <i>Environmental Science and Pollution Research</i> , 2022, 29, 50780-50789.	2.7	10
8	Benchmarking Canadian solid waste management system integrating fuzzy analytic hierarchy process (FAHP) with efficacy methods. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51578-51588.	2.7	9
9	Development and application of an analytical framework for mapping probable illegal dumping sites using nighttime light imagery and various remote sensing indices. <i>Waste Management</i> , 2022, 143, 195-205.	3.7	25
10	Analysis of input set characteristics and variances on k-fold cross validation for a Recurrent Neural Network model on waste disposal rate estimation. <i>Journal of Environmental Management</i> , 2022, 311, 114869.	3.8	68
11	Development of a regional solid waste management framework and its application to a prairie province in central Canada. <i>Sustainable Cities and Society</i> , 2022, 82, 103904.	5.1	18
12	Integrating Geographic Information System network analysis and nighttime light satellite imagery to optimize landfill regionalization on a regional level. <i>Environmental Science and Pollution Research</i> , 2022, 29, 81492-81504.	2.7	7
13	Spatial analysis of designated outdoor smoking areas: accessibility and land use. <i>Journal of Environmental Planning and Management</i> , 2021, 64, 689-702.	2.4	3
14	Developing a novel proximity analysis approach for assessment of waste management cost efficiency in low population density regions. <i>Sustainable Cities and Society</i> , 2021, 65, 102583.	5.1	27
15	Quantification of solid waste management system efficiency using input-output indices. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1015-1025.	1.6	17
16	Waste disposal characteristics and data variability in a mid-sized Canadian city during COVID-19. <i>Waste Management</i> , 2021, 122, 49-54.	3.7	46
17	Meshing Centroidal Voronoi Tessellation with spatial statistics to optimize waste management regions. <i>Journal of Cleaner Production</i> , 2021, 295, 126465.	4.6	12
18	The role of compactness distribution on the development of regionalized waste management systems. <i>Journal of Cleaner Production</i> , 2021, 296, 126594.	4.6	13

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19	Temporal and Spatial Distributions of Waste Facilities and Solid Waste Management Strategies in Rural and Urban Saskatchewan, Canada. <i>Sustainability</i> , 2021, 13, 6887.	1.6	13
20	Thermal heterogeneity in the proximity of municipal solid waste landfills on forest and agricultural lands. <i>Journal of Environmental Management</i> , 2021, 287, 112320.	3.8	22
21	A New Challenge for the Management and Disposal of Personal Protective Equipment Waste during the COVID-19 Pandemic. <i>Sustainability</i> , 2021, 13, 7034.	1.6	22
22	Identification of behaviour patterns in waste collection and disposal during the first wave of COVID-19 in Regina, Saskatchewan, Canada. <i>Journal of Environmental Management</i> , 2021, 290, 112663.	3.8	37
23	An iterative tessellation-based analytical approach to the design and planning of waste management regions. <i>Computers, Environment and Urban Systems</i> , 2021, 88, 101652.	3.3	18
24	Prediction of fugitive landfill gas hotspots using a random forest algorithm and Sentinel-2 data. <i>Sustainable Cities and Society</i> , 2021, 73, 103097.	5.1	26
25	Modeling of municipal waste disposal rates during COVID-19 using separated waste fraction models. <i>Science of the Total Environment</i> , 2021, 789, 148024.	3.9	34
26	The use of a recurrent neural network model with separated time-series and lagged daily inputs for waste disposal rates modeling during COVID-19. <i>Sustainable Cities and Society</i> , 2021, 75, 103339.	5.1	23
27	On the design of sustainable antifouling system for the crossflow filtration of oily water systems: A multicontinuum and CFD investigation of the periodic feed pressure technique. <i>Science of the Total Environment</i> , 2020, 698, 134288.	3.9	10
28	Siting and ranking municipal landfill sites in regional scale using nighttime satellite imagery. <i>Journal of Environmental Management</i> , 2020, 256, 109942.	3.8	33
29	Interactions of residential waste composition and collection truck compartment design on GIS route optimization. <i>Waste Management</i> , 2020, 102, 613-623.	3.7	43
30	Application of a multi-stage neural network approach for time-series landfill gas modeling with missing data imputation. <i>Waste Management</i> , 2020, 116, 66-78.	3.7	31
31	A data driven technique applying GIS, and remote sensing to rank locations for waste disposal site expansion. <i>Resources, Conservation and Recycling</i> , 2019, 149, 352-362.	5.3	40
32	Optimization of waste management regions using recursive Thiessen polygons. <i>Journal of Cleaner Production</i> , 2019, 234, 85-96.	4.6	30
33	Effects of groundwater metal contaminant spatial distribution on overlaying kriged maps. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22945-22957.	2.7	18
34	Assessment of waste characteristics and their impact on GIS vehicle collection route optimization using ANN waste forecasts. <i>Waste Management</i> , 2019, 88, 118-130.	3.7	81
35	Time-lagged effects of weekly climatic and socio-economic factors on ANN municipal yard waste prediction models. <i>Waste Management</i> , 2019, 84, 129-140.	3.7	80
36	The use of waste diversion indices on the analysis of Canadian waste management models. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 478-487.	1.6	32

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37	Evaluation of the bias and precision of regression techniques and machine learning approaches in total dissolved solids modeling of an urban aquifer. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1821-1833.	2.7	32
38	An integrated multivariate statistical approach for the evaluation of spatial variations in groundwater quality near an unlined landfill. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5724-5737.	2.7	49
39	Bibliometric and text mining approaches to evaluate landfill design standards. <i>Scientometrics</i> , 2019, 118, 1027-1049.	1.6	24
40	Use of seasonal parameters and their effects on FOD landfill gas modeling. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 291.	1.3	26
41	Effects of percent operating expenditure on Canadian non-hazardous waste diversion. <i>Sustainable Cities and Society</i> , 2018, 38, 420-428.	5.1	36
42	Parameter interrelationships in a dual phase GIS-based municipal solid waste collection model. <i>Waste Management</i> , 2018, 78, 258-270.	3.7	40
43	Alternative carbon dioxide modelling approaches accounting for high residual gases in LandGEM. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14322-14336.	2.7	17
44	Comparison between Canadian and Nova Scotian waste management and diversion models – A Canadian case study. <i>Sustainable Cities and Society</i> , 2017, 30, 139-149.	5.1	29
45	Optimization of first order decay gas generation model parameters for landfills located in cold semi-arid climates. <i>Waste Management</i> , 2017, 69, 315-324.	3.7	30
46	An investigation on Ontario's non-hazardous municipal solid waste diversion using trend analysis. <i>Canadian Journal of Civil Engineering</i> , 2017, 44, 861-870.	0.7	33
47	Analysis of solid waste management systems in Alberta and British Columbia using provincial comparison. <i>Canadian Journal of Civil Engineering</i> , 2016, 43, 351-360.	0.7	38
48	Non-hazardous waste generation characteristics and recycling practices in Saskatchewan and Manitoba, Canada. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 715-724.	1.6	39
49	Fines migration from soil daily covers in Hong Kong landfills. <i>Waste Management</i> , 2010, 30, 2047-2057.	3.7	11
50	Effects of Design Mix and Porosity of Waste-Derived Paste as Landfill Daily Covers on Lead Retardation. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2010, 14, 195-204.	0.4	4
51	Empirical modeling of heavy metal extraction by EDDS from single-metal and multi-metal contaminated soils. <i>Chemosphere</i> , 2009, 74, 301-307.	4.2	46
52	Kinetic Interactions of EDDS with Soils. 1. Metal Resorption and Competition under EDDS Deficiency. <i>Environmental Science & Technology</i> , 2009, 43, 831-836.	4.6	75
53	Adsorption of Methylene Blue and Phenol by Wood Waste Derived Activated Carbon. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 338-345.	0.7	28
54	Renewable Energy Generation by Full-Scale Biomass Gasification System Using Agricultural and Forestal Residues. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2007, 11, 177-183.	0.4	12

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55	Mechanical behaviors of a synthetic paste of tire chips and paper sludge in MSW landfill daily cover applications. Canadian Geotechnical Journal, 2007, 44, 928-941.	1.4	11
56	Numerical Simulation of Water Quality and Self-Purification in a Mountainous River Using QUAL2KW. Journal of Environmental Informatics, 0, , .	6.0	8
57	A System Dynamics Modeling Approach for Estimation of Oily Waste Generation From Marine Oil Spill Response: A Case Study of an Oil Spill in Central Coast of British Columbia. Frontiers in Environmental Science, 0, 10, .	1.5	3