Kurt Benke

List of Publications by Year
in descending order

43 papers	1,440 citations	516710 16 h-index	330143 37 g-index
45 all docs	45 docs citations	45 times ranked	2127 citing authors

#	Article	IF	Citations
1	Radiofrequency electromagnetic field exposure assessment: a pilot study on mobile phone signal strength and transmitted power levels. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 62-69.	3.9	7
2	Artificial Intelligence and Telehealth may Provide Early Warning of Epidemics. Frontiers in Artificial Intelligence, 2021, 4, 556848.	3.4	7
3	Model Structure Uncertainty in the Characterization and Growth of Geographic Atrophy. Translational Vision Science and Technology, 2021, 10, 2.	2.2	1
4	Dose-Response Models May Explain Age-Related Macular Degeneration and Vitamin Treatments. JAMA Ophthalmology, 2021, 139, 676.	2.5	0
5	Deep Learning Applied to Automated Segmentation of Geographic Atrophy in Fundus Autofluorescence Images. Translational Vision Science and Technology, 2021, 10, 2.	2.2	7
6	Progression of Geographic Atrophy: Epistemic Uncertainties Affecting Mathematical Models and Machine Learning. Translational Vision Science and Technology, 2021, 10, 3.	2.2	5
7	Artificial Intelligence Algorithms for Analysis of Geographic Atrophy: A Review and Evaluation. Translational Vision Science and Technology, 2020, 9, 57.	2.2	28
8	Deep Learning Algorithms and the Protection of Data Privacy. JAMA Ophthalmology, 2020, 138, 1024.	2.5	5
9	Integrating crop modelling and production economics to investigate multiple nutrient deficiencies and yield gaps. Australian Journal of Agricultural and Resource Economics, 2020, 64, 655-676.	2.6	0
10	Uncertainty Analysis of Mobile Phone Use and Its Effect on Cognitive Function: The Application of Monte Carlo Simulation in a Cohort of Australian Primary School Children. International Journal of Environmental Research and Public Health, 2019, 16, 2428.	2.6	7
11	Data Analytics and Machine Learning for Disease Identification in Electronic Health Records. JAMA Ophthalmology, 2019, 137, 497.	2.5	3
12	Assessment of Error Sources in Measurements of Field pH: Effect of Operator Experience, Test Kit Differences, and Time-Of-Day. Communications in Soil Science and Plant Analysis, 2018, 49, 269-285.	1.4	1
13	Artificial Intelligence and Big Data in Public Health. International Journal of Environmental Research and Public Health, 2018, 15, 2796.	2.6	168
14	Radiofrequency Electromagnetic Radiation and Memory Performance: Sources of Uncertainty in Epidemiological Cohort Studies. International Journal of Environmental Research and Public Health, 2018, 15, 592.	2.6	9
15	Error propagation in computer models: analytic approaches, advantages, disadvantages and constraints. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2971-2985.	4.0	17
16	Uncertainties in Big Data When Using Internet Surveillance Tools and Social Media for Determining Patterns in Disease Incidence. JAMA Ophthalmology, 2017, 135, 402.	2.5	6
17	Improving the information content in soil pH maps: a case study. European Journal of Soil Science, 2017, 68, 592-604.	3.9	4
18	Future food-production systems: vertical farming and controlled-environment agriculture. Sustainability: Science, Practice, and Policy, 2017, 13, 13-26.	1.9	242

#	Article	IF	Citations
19	Quantification of Uncertainty in Mathematical Models: The Statistical Relationship between Field and Laboratory pH Measurements. Applied and Environmental Soil Science, 2017, 2017, 1-12.	1.7	3
20	Identification and interpretation of sources of uncertainty in soils change in a global systems-based modelling process. Soil Research, 2015, 53, 592.	1.1	23
21	Automation of diagnostics by new disruptive technologies supports local general practice and medical screening in the third world. Australasian Medical Journal, 2015, 8, 174-177.	0.1	1
22	Iwao's patchiness regression through the origin: biological importance and efficiency of sampling applications. Population Ecology, 2014, 56, 393-399.	1.2	6
23	Experimental Design Issue for Assessment of Carotenoids Lutein and Zeaxanthin in Age-Related Eye Disease Study 2 Formulation for Age-Related Macular Degeneration. JAMA Ophthalmology, 2014, 132, 904.	2.5	2
24	Balancing trade€off issues in land use change and the impact on streamflow and salinity management. Hydrological Processes, 2014, 28, 1641-1662.	2.6	10
25	Experiments in Optimal Spatial Segmentation of Local Regions Using Categorical and Quantitative Data. Applied Spatial Analysis and Policy, 2013, 6, 185-208.	2.0	2
26	Estimating global arthropod species richness: refining probabilistic models using probability bounds analysis. Oecologia, 2013, 171, 357-365.	2.0	51
27	Uncertainty in Health Risks from Artificial Lighting due to Disruption of Circadian Rhythm and Melatonin Secretion: A Review. Human and Ecological Risk Assessment (HERA), 2013, 19, 916-929.	3.4	22
28	Risk assessment models for invasive species: uncertainty in rankings from multi-criteria analysis. Biological Invasions, 2011, 13, 239-253.	2.4	36
29	A Modelling Framework for Optimisation of Commodity Production by Minimising the Impact of Climate Change. Applied Spatial Analysis and Policy, 2011, 4, 201-222.	2.0	11
30	Adaptation to Climate Change in Regional Australia: A Decision€Making Framework for Modelling Policy for Rural Production. Geography Compass, 2010, 4, 335-354.	2.7	18
31	A spatial-statistical approach to the visualisation of uncertainty in land suitability analysis. Journal of Spatial Science, 2010, 55, 257-272.	1.5	42
32	Quantifying Uncertainty in Estimation of Tropical Arthropod Species Richness. American Naturalist, 2010, 176, 90-95.	2.1	199
33	Quantitative microbial risk assessment: uncertainty and measures of central tendency for skewed distributions. Stochastic Environmental Research and Risk Assessment, 2008, 22, 533-539.	4.0	33
34	Parameter uncertainty, sensitivity analysis and prediction error in a water-balance hydrological model. Mathematical and Computer Modelling, 2008, 47, 1134-1149.	2.0	112
35	Wastewater Irrigation: The State of Play. Vadose Zone Journal, 2007, 6, 823-840.	2.2	282
36	Uncertainty analysis and risk assessment in the management of environmental resources. Australasian Journal of Environmental Management, 2007, 14, 243-249.	1.1	19

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37	Application of x-ray instrumentation in medicine: discrimination of neoplasms in radiographs by digital image processing. European Journal of Physics, 1997, 18, 1-6.	0.6	4
38	Normalization of brightness and contrast in video displays. European Journal of Physics, 1996, 17, 268-274.	0.6	1
39	A study of the effect of image quality on texture energy measures. Measurement Science and Technology, 1994, 5, 400-407.	2.6	6
40	Title is missing!. European Journal of Physics, 1991, 12, 175-183.	0.6	4
41	Modulation transfer function of photographic emulsion: the small-angle approximation in radiative transfer theory. Applied Optics, 1990, 29, 151.	2.1	4
42	A machine vision system with learning capabilities. Lecture Notes in Computer Science, 1990, , 327-346.	1.3	0
43	Mathematical Modelling of the Modulation Transfer Function of X-ray Film/Screen Systems. Australian Journal of Physics, 1981, 34, 585.	0.6	2