

Kurt Benke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6134018/publications.pdf>

Version: 2024-02-01

43
papers

1,440
citations

516215

16
h-index

329751

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. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 62-69.	1.8	7
2	Artificial Intelligence and Telehealth may Provide Early Warning of Epidemics. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 556848.	2.0	7
3	Model Structure Uncertainty in the Characterization and Growth of Geographic Atrophy. <i>Translational Vision Science and Technology</i> , 2021, 10, 2.	1.1	1
4	Dose-Response Models May Explain Age-Related Macular Degeneration and Vitamin Treatments. <i>JAMA Ophthalmology</i> , 2021, 139, 676.	1.4	0
5	Deep Learning Applied to Automated Segmentation of Geographic Atrophy in Fundus Autofluorescence Images. <i>Translational Vision Science and Technology</i> , 2021, 10, 2.	1.1	7
6	Progression of Geographic Atrophy: Epistemic Uncertainties Affecting Mathematical Models and Machine Learning. <i>Translational Vision Science and Technology</i> , 2021, 10, 3.	1.1	5
7	Artificial Intelligence Algorithms for Analysis of Geographic Atrophy: A Review and Evaluation. <i>Translational Vision Science and Technology</i> , 2020, 9, 57.	1.1	28
8	Deep Learning Algorithms and the Protection of Data Privacy. <i>JAMA Ophthalmology</i> , 2020, 138, 1024.	1.4	5
9	Integrating crop modelling and production economics to investigate multiple nutrient deficiencies and yield gaps. <i>Australian Journal of Agricultural and Resource Economics</i> , 2020, 64, 655-676.	1.3	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. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2428.	1.2	7
11	Data Analytics and Machine Learning for Disease Identification in Electronic Health Records. <i>JAMA Ophthalmology</i> , 2019, 137, 497.	1.4	3
12	Assessment of Error Sources in Measurements of Field pH: Effect of Operator Experience, Test Kit Differences, and Time-Of-Day. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 269-285.	0.6	1
13	Artificial Intelligence and Big Data in Public Health. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2796.	1.2	168
14	Radiofrequency Electromagnetic Radiation and Memory Performance: Sources of Uncertainty in Epidemiological Cohort Studies. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 592.	1.2	9
15	Error propagation in computer models: analytic approaches, advantages, disadvantages and constraints. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2971-2985.	1.9	17
16	Uncertainties in Big Data When Using Internet Surveillance Tools and Social Media for Determining Patterns in Disease Incidence. <i>JAMA Ophthalmology</i> , 2017, 135, 402.	1.4	6
17	Improving the information content in soil pH maps: a case study. <i>European Journal of Soil Science</i> , 2017, 68, 592-604.	1.8	4
18	Future food-production systems: vertical farming and controlled-environment agriculture. <i>Sustainability: Science, Practice, and Policy</i> , 2017, 13, 13-26.	1.1	242

#	ARTICLE	IF	CITATIONS
19	Quantification of Uncertainty in Mathematical Models: The Statistical Relationship between Field and Laboratory pH Measurements. <i>Applied and Environmental Soil Science</i> , 2017, 2017, 1-12.	0.8	3
20	Identification and interpretation of sources of uncertainty in soils change in a global systems-based modelling process. <i>Soil Research</i> , 2015, 53, 592.	0.6	23
21	Automation of diagnostics by new disruptive technologies supports local general practice and medical screening in the third world. <i>Australasian Medical Journal</i> , 2015, 8, 174-177.	0.1	1
22	Iwao's patchiness regression through the origin: biological importance and efficiency of sampling applications. <i>Population Ecology</i> , 2014, 56, 393-399.	0.7	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. <i>JAMA Ophthalmology</i> , 2014, 132, 904.	1.4	2
24	Balancing trade-off issues in land use change and the impact on streamflow and salinity management. <i>Hydrological Processes</i> , 2014, 28, 1641-1662.	1.1	10
25	Experiments in Optimal Spatial Segmentation of Local Regions Using Categorical and Quantitative Data. <i>Applied Spatial Analysis and Policy</i> , 2013, 6, 185-208.	1.0	2
26	Estimating global arthropod species richness: refining probabilistic models using probability bounds analysis. <i>Oecologia</i> , 2013, 171, 357-365.	0.9	51
27	Uncertainty in Health Risks from Artificial Lighting due to Disruption of Circadian Rhythm and Melatonin Secretion: A Review. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 916-929.	1.7	22
28	Risk assessment models for invasive species: uncertainty in rankings from multi-criteria analysis. <i>Biological Invasions</i> , 2011, 13, 239-253.	1.2	36
29	A Modelling Framework for Optimisation of Commodity Production by Minimising the Impact of Climate Change. <i>Applied Spatial Analysis and Policy</i> , 2011, 4, 201-222.	1.0	11
30	Adaptation to Climate Change in Regional Australia: A Decision-Making Framework for Modelling Policy for Rural Production. <i>Geography Compass</i> , 2010, 4, 335-354.	1.5	18
31	A spatial-statistical approach to the visualisation of uncertainty in land suitability analysis. <i>Journal of Spatial Science</i> , 2010, 55, 257-272.	1.0	42
32	Quantifying Uncertainty in Estimation of Tropical Arthropod Species Richness. <i>American Naturalist</i> , 2010, 176, 90-95.	1.0	199
33	Quantitative microbial risk assessment: uncertainty and measures of central tendency for skewed distributions. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008, 22, 533-539.	1.9	33
34	Parameter uncertainty, sensitivity analysis and prediction error in a water-balance hydrological model. <i>Mathematical and Computer Modelling</i> , 2008, 47, 1134-1149.	2.0	112
35	Wastewater Irrigation: The State of Play. <i>Vadose Zone Journal</i> , 2007, 6, 823-840.	1.3	282
36	Uncertainty analysis and risk assessment in the management of environmental resources. <i>Australasian Journal of Environmental Management</i> , 2007, 14, 243-249.	0.6	19

#	ARTICLE	IF	CITATIONS
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.	0.3	4
38	Normalization of brightness and contrast in video displays. European Journal of Physics, 1996, 17, 268-274.	0.3	1
39	A study of the effect of image quality on texture energy measures. Measurement Science and Technology, 1994, 5, 400-407.	1.4	6
40	Title is missing!. European Journal of Physics, 1991, 12, 175-183.	0.3	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.	1.0	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