

Boris A Portnov

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

3,579
citations

218381
26
h-index

143772
57
g-index

82
all docs

82
docs citations

82
times ranked

3390
citing authors

#	ARTICLE	IF	CITATIONS
1	The new world atlas of artificial night sky brightness. <i>Science Advances</i> , 2016, 2, e1600377.	4.7	948
2	Remote sensing of night lights: A review and an outlook for the future. <i>Remote Sensing of Environment</i> , 2020, 237, 111443.	4.6	442
3	Light at Night Co-distributes with Incident Breast but not Lung Cancer in the Female Population of Israel. <i>Chronobiology International</i> , 2008, 25, 65-81.	0.9	189
4	Global Co-distribution of Light at Night (LAN) and Cancers of Prostate, Colon, and Lung in Men. <i>Chronobiology International</i> , 2009, 26, 108-125.	0.9	186
5	Nighttime light level co-distributes with breast cancer incidence worldwide. <i>Cancer Causes and Control</i> , 2010, 21, 2059-2068.	0.8	139
6	Does artificial light-at-night exposure contribute to the worldwide obesity pandemic?. <i>International Journal of Obesity</i> , 2016, 40, 815-823.	1.6	107
7	Light pollution in USA and Europe: The good, the bad and the ugly. <i>Journal of Environmental Management</i> , 2019, 248, 109227.	3.8	92
8	Using kernel density function as an urban analysis tool: Investigating the association between nightlight exposure and the incidence of breast cancer in Haifa, Israel. <i>Computers, Environment and Urban Systems</i> , 2009, 33, 55-63.	3.3	72
9	Does the Modern Urbanized Sleeping Habitat Pose a Breast Cancer Risk?. <i>Chronobiology International</i> , 2011, 28, 76-80.	0.9	72
10	Factors affecting homebuyers' willingness to pay green building price premium: Evidence from a nationwide survey in Israel. <i>Building and Environment</i> , 2018, 137, 280-291.	3.0	72
11	On ecological fallacy, assessment errors stemming from misguided variable selection, and the effect of aggregation on the outcome of epidemiological study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, 106-121.	1.8	71
12	Light Pollution as a New Risk Factor for Human Breast and Prostate Cancers. , 2013, , .		65
13	Different effects of long-term exposures to SO ₂ and NO ₂ air pollutants on asthma severity in young adults. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 342-351.	1.1	64
14	Identifying areas under potential risk of illegal construction and demolition waste dumping using GIS tools. <i>Waste Management</i> , 2018, 75, 22-29.	3.7	62
15	The impact of artificial light at night on human and ecosystem health: a systematic literature review. <i>Landscape Ecology</i> , 2020, 35, 1725-1742.	1.9	50
16	URBAN CLUSTERS AS GROWTH FOCI*. <i>Journal of Regional Science</i> , 2009, 49, 287-310.	2.1	45
17	Estimating the effectiveness of different environmental law enforcement policies on illegal C&D waste dumping in Israel. <i>Waste Management</i> , 2020, 102, 241-248.	3.7	43
18	Artificial Light at Night (ALAN) and breast cancer incidence worldwide: A revisit of earlier findings with analysis of current trends. <i>Chronobiology International</i> , 2015, 32, 757-773.	0.9	39

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19	High prevalence of childhood asthma in Northern Israel is linked to air pollution by particulate matter: evidence from GIS analysis and Bayesian Model Averaging. <i>International Journal of Environmental Health Research</i> , 2012, 22, 249-269.	1.3	36
20	Studying the association between air pollution and lung cancer incidence in a large metropolitan area using a kernel density function. <i>Socio-Economic Planning Sciences</i> , 2009, 43, 141-150.	2.5	35
21	Differential effect of knowledge on stakeholders's willingness to pay green building price premium: Implications for cleaner production. <i>Journal of Cleaner Production</i> , 2020, 251, 119575.	4.6	35
22	Modifying behaviour to save energy at home is harder than we think. <i>Energy and Buildings</i> , 2018, 179, 384-398.	3.1	34
23	Outdoor light and breast cancer incidence: a comparative analysis of DMSP and VIIRS-DNB satellite data. <i>International Journal of Remote Sensing</i> , 2017, 38, 5952-5961.	1.3	33
24	Estimating the effect of air pollution from a coal-fired power station on the development of children's pulmonary function. <i>Environmental Research</i> , 2007, 103, 87-98.	3.7	31
25	Residential proximity to petroleum storage tanks and associated cancer risks: Double Kernel Density approach vs. zonal estimates. <i>Science of the Total Environment</i> , 2012, 441, 265-276.	3.9	30
26	Stimulating green construction by influencing the decision-making of main players. <i>Sustainable Cities and Society</i> , 2018, 40, 165-173.	5.1	30
27	Light at night and breast cancer incidence in Connecticut: An ecological study of age group effects. <i>Science of the Total Environment</i> , 2016, 572, 1020-1024.	3.9	29
28	Development Peculiarities of Peripheral Desert Settlements: The Case of Israel. <i>International Journal of Urban and Regional Research</i> , 1998, 22, 216-232.	1.2	25
29	Population-level study links short-wavelength nighttime illumination with breast cancer incidence in a major metropolitan area. <i>Chronobiology International</i> , 2018, 35, 1198-1208.	0.9	25
30	Evaluating the effect of vehicle impoundment policy on illegal construction and demolition waste dumping: Israel as a case study. <i>Waste Management</i> , 2014, 34, 1436-1445.	3.7	24
31	Who is affected more by air pollution? Sick or healthy? Some evidence from a health survey of schoolchildren living in the vicinity of a coal-fired power plant in Northern Israel. <i>Health and Place</i> , 2010, 16, 399-408.	1.5	23
32	Is prostate cancer incidence worldwide linked to artificial light at night exposures? Review of earlier findings and analysis of current trends. <i>Archives of Environmental and Occupational Health</i> , 2017, 72, 111-122.	0.7	23
33	Distance decay function in criminal behavior: a case of Israel. <i>Annals of Regional Science</i> , 2007, 41, 673-688.	1.0	22
34	Criteria for Smart City Identification: A Systematic Literature Review. <i>Sustainability</i> , 2022, 14, 4448.	1.6	22
35	Urban Clustering, Development Similarity, and Local Growth: A Case Study of Canada. <i>European Planning Studies</i> , 2006, 14, 1287-1314.	1.6	19
36	On the Relativity of Urban Location. <i>Regional Studies</i> , 2008, 42, 605-615.	2.5	19

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37	Mapping geographical concentrations of economic activities in Europe using light at night (LAN) satellite data. <i>International Journal of Remote Sensing</i> , 2014, 35, 7706-7725.	1.3	19
38	How Much Lighting is Required to Feel Safe When Walking Through the Streets at Night?. <i>Sustainability</i> , 2020, 12, 3133.	1.6	19
39	Linking nighttime outdoor lighting attributes to pedestrians' feeling of safety: An interactive survey approach. <i>PLoS ONE</i> , 2020, 15, e0242172.	1.1	18
40	Investigating the Effect of Train Proximity on Apartment Prices: Haifa, Israel as a Case Study. <i>Journal of Real Estate Research</i> , 2009, 31, 371-396.	0.3	18
41	Environmental risk factors associated with low birth weight: The case study of the Haifa Bay Area in Israel. <i>Environmental Research</i> , 2018, 165, 337-348.	3.7	16
42	A Remote Sensing Data Based Artificial Neural Network Approach for Predicting Climate-Sensitive Infectious Disease Outbreaks: A Case Study of Human Brucellosis. <i>Remote Sensing</i> , 2017, 9, 1018.	1.8	15
43	Non-Hodgkin Lymphoma (NHL) linkage with residence near heavy roads – A case study from Haifa Bay, Israel. <i>Health and Place</i> , 2009, 15, 636-641.	1.5	14
44	Modeling long-term effects attributed to nitrogen dioxide (NO ₂) and sulfur dioxide (SO ₂) exposure on asthma morbidity in a nationwide cohort in Israel. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017, 80, 326-337.	1.1	14
45	Forecasting health effects potentially associated with the relocation of a major air pollution source. <i>Environmental Research</i> , 2020, 182, 109088.	3.7	13
46	Long-term growth of small towns in Israel: Does location matter?. <i>Annals of Regional Science</i> , 2004, 38, 627-653.	1.0	12
47	Saving energy while maintaining the feeling of safety associated with urban street lighting. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 251-269.	2.1	12
48	Critical Surveys Edited by Stephen Roper Understanding regional inequalities in small countries. <i>Regional Studies</i> , 2005, 39, 647-658.	2.5	11
49	Kernel density analysis reveals a halo pattern of breast cancer incidence in Connecticut. <i>Spatial and Spatio-temporal Epidemiology</i> , 2018, 26, 143-151.	0.9	11
50	Evaluating Street Lighting Quality in Residential Areas by Combining Remote Sensing Tools and a Survey on Pedestrians' Perceptions of Safety and Visual Comfort. <i>Remote Sensing</i> , 2022, 14, 826.	1.8	11
51	Remote identification of research and educational activities using spectral properties of nighttime light. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 128, 212-222.	4.9	8
52	Interactive Scenario-Based Assessment Approach of Urban Street Lighting and Its Application to Estimating Energy Saving Benefits. <i>Energies</i> , 2021, 14, 378.	1.6	8
53	Assessing the impacts of ALAN and noise proxies on sleep duration and quality: evidence from a nation-wide survey in Israel. <i>Chronobiology International</i> , 2021, 38, 638-658.	0.9	8
54	Using light-at-night (LAN) satellite data for identifying clusters of economic activities in Europe. <i>Letters in Spatial and Resource Sciences</i> , 2015, 8, 307-334.	1.2	7

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55	A new approach to spatial identification of potential health hazards associated with childhood asthma. <i>Science of the Total Environment</i> , 2017, 595, 413-424.	3.9	7
56	Does Gibratâ€™s law for cities hold when location counts?. <i>Annals of Regional Science</i> , 2012, 48, 151-178.	1.0	6
57	Estimating geographic concentrations of quaternary industries in Europe using Artificial Light-At-Night (ALAN) data. <i>International Journal of Digital Earth</i> , 2017, 10, 861-878.	1.6	6
58	A Relative Radiation Normalization Method of ISS Nighttime Light Images Based on Pseudo Invariant Features. <i>Remote Sensing</i> , 2020, 12, 3349.	1.8	6
59	Application of the double kernel density approach to the analysis of cancer incidence in a major metropolitan area. <i>Environmental Research</i> , 2016, 150, 269-281.	3.7	5
60	Application of the double kernel density approach to the multivariate analysis of attributeless event point datasets. <i>Letters in Spatial and Resource Sciences</i> , 2016, 9, 363-382.	1.2	5
61	Lower Cancer Rates Among Druze Compared to Arab and Jewish Populations in Israel, 1999â€“2009. <i>Journal of Religion and Health</i> , 2017, 56, 741-754.	0.8	5
62	Delineating Functional Urban Areas Using a Multi-Step Analysis of Artificial Light-at-Night Data. <i>Remote Sensing</i> , 2021, 13, 3714.	1.8	5
63	Spatial Data Analysis Using Kernel Density Tools. , 2014, , 2252-2264.		5
64	Air Pollution and Respiratory Morbidity in Israel: A Review of Accumulated Empiric Evidence. <i>Israel Medical Association Journal</i> , 2015, 17, 445-50.	0.1	5
65	Eco-innovations and economic performance of regions: a systematic literature survey. <i>Regional Studies, Regional Science</i> , 2020, 7, 571-588.	0.7	4
66	Artificial Light at Night and Obesity: Does the Spread of Wireless Information and Communication Technology Play a Role?. <i>International Journal of Sustainable Lighting</i> , 0, 18, 16-20.	1.2	4
67	Does Zipfâ€™s law hold for primate cities? Some evidence from a discriminant analysis of world countries. <i>Review of Regional Research</i> , 2011, 31, 113-129.	0.6	3
68	Public Fears in Ukrainian Society. <i>Psychology and Developing Societies</i> , 2017, 29, 98-123.	1.0	3
69	GDP per capita and obesity prevalence worldwide: an ambiguity of effects modification. <i>International Journal of Obesity</i> , 2017, 41, 352-352.	1.6	3
70	Coloring Panchromatic Nighttime Satellite Images: Comparing the Performance of Several Machine Learning Methods. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	2.7	3
71	Spatial identification of potential health hazards: a systematic areal search approach. <i>International Journal of Health Geographics</i> , 2017, 16, 5.	1.2	2
72	Spatial identification of environmental health hazards potentially associated with adverse birth outcomes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3578-3592.	2.7	2

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73	Testing the generality of economic activity models estimated by merging night-time satellite images with socioeconomic data. <i>Advances in Space Research</i> , 2020, 66, 2610-2620.	1.2	2
74	Characterization of Localities with a High Likelihood of Illicit Connections between Runoff and Sewage Systems. <i>Environmental Management</i> , 2020, 65, 748-757.	1.2	2
75	Interregional Disparities in Israel: Patterns and Trends. , 2005, , 187-210.		2
76	The exposure assessment period to air pollutants which affects lung function: analysis of recent studies and an explanatory model. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 393-402.	1.5	2
77	Prevalence of Asthma among Young Men Residing in Urban Areas with Different Sources of Air Pollution. <i>Israel Medical Association Journal</i> , 2019, 21, 785-789.	0.1	2
78	Visualization of the spatial patterns of inter-urban income disparities using coordinate transformations. <i>International Journal of Geographical Information Science</i> , 2004, 18, 281-297.	2.2	1
79	Exploratory analysis of potential risk factors of a rare disease: Spatial distribution of adrenocortical carcinoma in Israel as a case study. <i>Science of the Total Environment</i> , 2009, 407, 1738-1743.	3.9	1
80	Using mobile phones as light at night and noise measurement instruments: a validation test in real world conditions. <i>Chronobiology International</i> , 2022, 39, 26-44.	0.9	0
81	Environmental and Security Risk Factors behind Mortgage Arrears in Israel. <i>Journal of Real Estate Research</i> , 2020, 42, 183-205.	0.3	0