

# Lars K Brabyn

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4023953/publications.pdf>

Version: 2024-02-01

47  
papers

1,292  
citations

361045

20  
h-index

360668

35  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1813  
citing authors

#	ARTICLE	IF	CITATIONS
1	An analysis of the relationships between multiple values and physical landscapes at a regional scale using public participation GIS and landscape character classification. <i>Landscape and Urban Planning</i> , 2012, 107, 317-331.	3.4	141
2	Monitoring mangrove biomass change in Vietnam using SPOT images and an object-based approach combined with machine learning algorithms. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 128, 86-97.	4.9	131
3	Modeling population access to New Zealand public hospitals. <i>International Journal of Health Geographics</i> , 2002, 1, 3.	1.2	117
4	Landsat remote sensing of chlorophyll <i>a</i> concentrations in central North Island lakes of New Zealand. <i>International Journal of Remote Sensing</i> , 2011, 32, 2037-2055.	1.3	72
5	The extrapolation of social landscape values to a national level in New Zealand using landscape character classification. <i>Applied Geography</i> , 2012, 35, 84-94.	1.7	71
6	Classifying Landscape Character. <i>Landscape Research</i> , 2009, 34, 299-321.	0.7	59
7	Image data fusion for the remote sensing of freshwater environments. <i>Applied Geography</i> , 2012, 32, 619-628.	1.7	53
8	Biotic interactions are an unexpected yet critical control on the complexity of an abiotically driven polar ecosystem. <i>Communications Biology</i> , 2019, 2, 62.	2.0	42
9	Landscape classification using GIS and national digital databases. <i>Landscape Research</i> , 1996, 21, 277-300.	0.7	41
10	Hindcasting water clarity from Landsat satellite images of unmonitored shallow lakes in the Waikato region, New Zealand. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 7245-7261.	1.3	41
11	Using viewsheds, GIS, and a landscape classification to tag landscape photographs. <i>Applied Geography</i> , 2011, 31, 1115-1122.	1.7	40
12	Solutions for characterising natural landscapes in New Zealand using geographical information systems. <i>Journal of Environmental Management</i> , 2005, 76, 23-34.	3.8	37
13	Combining QuickBird, LiDAR, and GIS topography indices to identify a single native tree species in a complex landscape using an object-based classification approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 50, 187-197.	1.4	36
14	A spatial analysis of indigenous cover patterns and implications for ecological restoration in urban centres, New Zealand. <i>Urban Ecosystems</i> , 2007, 10, 441-457.	1.1	35
15	Using remote sensing and GIS to investigate the impacts of tourism on forest cover in the Annapurna Conservation Area, Nepal. <i>Applied Geography</i> , 2013, 43, 159-168.	1.7	32
16	Empirical and semi-analytical chlorophyll <i>a</i> algorithms for multi-temporal monitoring of New Zealand lakes using Landsat. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 364.	1.3	28
17	Comparing Three GIS Techniques for Modelling Geographical Access to General Practitioners. <i>Cartographica</i> , 2004, 39, 41-49.	0.2	26
18	Accuracy assessment of land surface temperature retrievals from Landsat 7 ETM + in the Dry Valleys of Antarctica using iButton temperature loggers and weather station data. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 2619-2628.	1.3	22

#	ARTICLE	IF	CITATIONS
19	Extremely low lichen growth rates in Taylor Valley, Dry Valleys, continental Antarctica. <i>Polar Biology</i> , 2012, 35, 535-541.	0.5	21
20	A population based assessment of the geographical accessibility of outdoor recreation opportunities in New Zealand. <i>Applied Geography</i> , 2013, 41, 124-131.	1.7	21
21	Quantified vegetation change over 42 years at Cape Hallett, East Antarctica. <i>Antarctic Science</i> , 2006, 18, 561-572.	0.5	20
22	Population need and geographical access to general practitioners in rural New Zealand. <i>New Zealand Medical Journal</i> , 2004, 117, U996.	0.5	20
23	GIS goes nano: Vegetation studies in Victoria Land, Antarctica. <i>New Zealand Geographer</i> , 2005, 61, 139-147.	0.4	19
24	Satellite remote sensing for mapping vegetation in New Zealand freshwater environments: A review. <i>New Zealand Geographer</i> , 2010, 66, 33-43.	0.4	15
25	Flora and vegetation of Cape Hallett and vicinity, northern Victoria Land, Antarctica. <i>Polar Biology</i> , 2015, 38, 1825-1845.	0.5	15
26	Accentuating the positive while eliminating the negative of alien tree invasions: a multiple ecosystem services approach to prioritising control efforts. <i>Biological Invasions</i> , 2017, 19, 1181-1195.	1.2	15
27	Population access to hospital emergency departments and the impacts of health reform in New Zealand. <i>Health Informatics Journal</i> , 2006, 12, 227-237.	1.1	13
28	Spatial modelling of wetness for the Antarctic Dry Valleys. <i>Polar Research</i> , 2011, 30, 6330.	1.6	11
29	Modelling landscape experience using "experiences". <i>Applied Geography</i> , 2015, 62, 210-216.	1.7	11
30	Developing a conceptual model of marine farming in New Zealand. <i>Marine Policy</i> , 2009, 33, 106-117.	1.5	10
31	A new look at population change and regional development in Aotearoa New Zealand. <i>New Zealand Geographer</i> , 2019, 75, 116-129.	0.4	8
32	Providing the evidence: Geographic accessibility of maternity units in New Zealand. <i>New Zealand Geographer</i> , 2006, 62, 135-143.	0.4	7
33	Sensitivity of GIS-derived terrain variables at multiple scales for modelling stoat ( <i>Mustela erminea</i> ) activity. <i>Applied Geography</i> , 2011, 31, 770-779.	1.7	7
34	Calculating the surface melt rate of Antarctic glaciers using satellite-derived temperatures and stream flows. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 440.	1.3	7
35	Mapping Accessibility to General Practitioners. , 2003, , 290-308.		7
36	Using Google Earth Engine to classify unique forest and agroforest classes using a mix of Sentinel 2a spectral data and topographical features: a Sri Lanka case study. <i>Geocarto International</i> , 2022, 37, 9544-9559.	1.7	6

#	ARTICLE	IF	CITATIONS
37	Introducing contrast and luminance normalisation to improve the quality of subtractive resolution merge technique. <i>International Journal of Image and Data Fusion</i> , 2013, 4, 230-251.	0.8	5
38	Alternative solutions for determining the spectral band weights for the subtractive resolution merge technique. <i>International Journal of Image and Data Fusion</i> , 2013, 4, 105-125.	0.8	5
39	Change-mapping of estuarine intertidal seagrass ( <i>Zostera muelleri</i> ) using multispectral imagery flown by remotely piloted aircraft (RPA) at Wharekawa Harbour, New Zealand. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 246, 107046.	0.9	5
40	Declining towns and rapidly growing cities in New Zealand: developing an empirically-based model that can inform policy. <i>Policy Quarterly</i> , 0, 13, .	0.2	5
41	The mechanisms of subnational population growth and decline in New Zealand 1976-2013. <i>Policy Quarterly</i> , 0, 13, .	0.2	4
42	The use of Geographical Information Systems for analysing and visualising biodiversity data. <i>International Journal of Environmental Technology and Management</i> , 2003, 3, 157.	0.1	3
43	Classifying landscape character. <i>Culture and Language Use</i> , 2011, , 395-409.	0.2	3
44	Diversity-accuracy assessment of multiple classifier systems for the land cover classification of the Khumbu region in the Himalayas. <i>Journal of Mountain Science</i> , 2022, 19, 365-387.	0.8	3
45	From Ageing-Driven Growth Towards the Ending of Growth. <i>Subnational Population Trends in New Zealand</i> . , 2019, , 161-193.		1
46	Comparison of combination of dimensionality reduction and classification techniques for identifying tree species using integrated QuickBird imagery and Lidar data. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	0.6	1
47	Geo-spatial analysis. , 2018, , 56-69.		0