

# Alex Lechner

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96  
papers

1,783  
citations

24  
h-index

37  
g-index

101  
ext. papers

2,398  
ext. citations

4.6  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
96	Detecting the dynamics of vegetation disturbance and recovery in surface mining area via Landsat imagery and LandTrendr algorithm. <i>Journal of Cleaner Production</i> , <b>2018</b> , 178, 353-362	10.3	71
95	An evaluation of crowdsourced information for assessing the visitation and perceived importance of protected areas. <i>Applied Geography</i> , <b>2017</b> , 79, 115-126	4.4	70
94	Remote sensing of small and linear features: Quantifying the effects of patch size and length, grid position and detectability on land cover mapping. <i>Remote Sensing of Environment</i> , <b>2009</b> , 113, 2194-2204	13.2	69
93	Biodiversity conservation should be a core value of China's Belt and Road Initiative. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 408-409	12.3	66
92	The Impact of Underground Longwall Mining on Prime Agricultural Land: A Review and Research Agenda. <i>Land Degradation and Development</i> , <b>2016</b> , 27, 1650-1663	4.4	66
91	Are landscape ecologists addressing uncertainty in their remote sensing data?. <i>Landscape Ecology</i> , <b>2012</b> , 27, 1249-1261	4.3	61
90	Environmental Impacts of Infrastructure Development under the Belt and Road Initiative. <i>Environments - MDPI</i> , <b>2019</b> , 6, 72	3.2	59
89	Applications in Remote Sensing to Forest Ecology and Management. <i>One Earth</i> , <b>2020</b> , 2, 405-412	8.1	55
88	Urban green space and well-being in Kuala Lumpur, Malaysia. <i>Urban Forestry and Urban Greening</i> , <b>2018</b> , 36, 34-41	5.4	54
87	Challenges of integrated modelling in mining regions to address social, environmental and economic impacts. <i>Environmental Modelling and Software</i> , <b>2017</b> , 93, 268-281	5.2	47
86	Investigating species-environment relationships at multiple scales: Differentiating between intrinsic scale and the modifiable areal unit problem. <i>Ecological Complexity</i> , <b>2012</b> , 11, 91-102	2.6	47
85	Measuring fire severity using UAV imagery in semi-arid central Queensland, Australia. <i>International Journal of Remote Sensing</i> , <b>2017</b> , 38, 4244-4264	3.1	44
84	Drought severity-duration-frequency curves: a foundation for risk assessment and planning tool for ecosystem establishment in post-mining landscapes. <i>Hydrology and Earth System Sciences</i> , <b>2015</b> , 19, 1069-1091	5.5	44
83	Spatial assessment of open cut coal mining progressive rehabilitation to support the monitoring of rehabilitation liabilities. <i>Resources Policy</i> , <b>2016</b> , 50, 234-243	7.2	40
82	Characterising landscape connectivity for conservation planning using a dispersal guild approach. <i>Landscape Ecology</i> , <b>2017</b> , 32, 99-113	4.3	39
81	Interactions between landcover pattern and geospatial processing methods: Effects on landscape metrics and classification accuracy. <i>Ecological Complexity</i> , <b>2013</b> , 15, 71-82	2.6	36
80	The plastic waste problem in Malaysia: management, recycling and disposal of local and global plastic waste. <i>SN Applied Sciences</i> , <b>2021</b> , 3, 1	1.8	34

79	A tool for simulating and communicating uncertainty when modelling species distributions under future climates. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 4798-811	2.8	32
78	Modeling the impact of future development and public conservation orientation on landscape connectivity for conservation planning. <i>Landscape Ecology</i> , <b>2015</b> , 30, 699-713	4.3	31
77	Horizon Scan of the Belt and Road Initiative. <i>Trends in Ecology and Evolution</i> , <b>2020</b> , 35, 583-593	10.9	29
76	Capability of meteorological drought indices for detecting soil moisture droughts. <i>Journal of Hydrology: Regional Studies</i> , <b>2017</b> , 12, 396-412	3.6	29
75	Characterizing spatial uncertainty when integrating social data in conservation planning. <i>Conservation Biology</i> , <b>2014</b> , 28, 1497-511	6	29
74	A jurisdictional maturity model for risk management, accountability and continual improvement of abandoned mine remediation programs. <i>Resources Policy</i> , <b>2015</b> , 43, 1-10	7.2	28
73	A framework for incorporating fine-scale dispersal behaviour into biodiversity conservation planning. <i>Landscape and Urban Planning</i> , <b>2015</b> , 141, 11-23	7.7	27
72	Perceived contributions of multifunctional landscapes to human well-being: Evidence from 13 European sites. <i>People and Nature</i> , <b>2020</b> , 2, 217-234	5.9	24
71	A contested transition toward a coal-free future: Advocacy coalitions and coal policy in the Czech Republic. <i>Energy Research and Social Science</i> , <b>2019</b> , 58, 101283	7.7	24
70	Site-specific climate analysis elucidates revegetation challenges for post-mining landscapes in eastern Australia. <i>Biogeosciences</i> , <b>2013</b> , 10, 6545-6557	4.6	23
69	Comparison of relative radiometric normalization methods using pseudo-invariant features for change detection studies in rural and urban landscapes. <i>Journal of Applied Remote Sensing</i> , <b>2012</b> , 6, 063578-1	4.4	23
68	CHARACTERISING UPLAND SWAMPS USING OBJECT-BASED CLASSIFICATION METHODS AND HYPER-SPATIAL RESOLUTION IMAGERY DERIVED FROM AN UNMANNED AERIAL VEHICLE. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 1-4, 101-106		23
67	Using social data in strategic environmental assessment to conserve biodiversity. <i>Land Use Policy</i> , <b>2015</b> , 47, 332-341	5.6	22
66	The sensitivity of population viability analysis to uncertainty about habitat requirements: implications for the management of the endangered southern brown bandicoot. <i>Conservation Biology</i> , <b>2008</b> , 22, 1045-54	6	22
65	Mapping the cumulative impacts of long-term mining disturbance and progressive rehabilitation on ecosystem services. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 137214	10.2	21
64	From static connectivity modelling to scenario-based planning at local and regional scales. <i>Journal for Nature Conservation</i> , <b>2015</b> , 23, 78-88	2.3	20
63	Best-practice biodiversity safeguards for Belt and Road Initiative financiers. <i>Nature Sustainability</i> , <b>2020</b> , 3, 650-657	22.1	19
62	The scale of biodiversity impacts of the Belt and Road Initiative in Southeast Asia. <i>Biological Conservation</i> , <b>2020</b> , 248, 108691	6.2	19

61	Object-based classification of semi-arid vegetation to support mine rehabilitation and monitoring. <i>Journal of Applied Remote Sensing</i> , <b>2014</b> , 8, 083564	1.4	19
60	Recent Progress on Spatial and Thematic Resolution in Landscape Ecology. <i>Current Landscape Ecology Reports</i> , <b>2016</b> , 1, 98-105	3.2	19
59	Urban forest fragmentation impoverishes native mammalian biodiversity in the tropics. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 12506-12521	2.8	19
58	A proposal for engaging a stakeholder panel in planning post-mining land uses in Australia's coal-rich tropical savannahs. <i>Land Use Policy</i> , <b>2018</b> , 79, 397-406	5.6	17
57	Applicability of Earth Observation for Identifying Small-Scale Mining Footprints in a Wet Tropical Region. <i>Remote Sensing</i> , <b>2017</b> , 9, 945	5	16
56	Challenges and considerations of applying nature-based solutions in low- and middle-income countries in Southeast and East Asia. <i>Blue-Green Systems</i> , <b>2020</b> , 2, 331-351	5.2	16
55	Selective logging causes the decline of large-sized mammals including those in unlogged patches surrounded by logged and agricultural areas. <i>Biological Conservation</i> , <b>2018</b> , 227, 40-47	6.2	16
54	Trans-national conservation and infrastructure development in the Heart of Borneo. <i>PLoS ONE</i> , <b>2019</b> , 14, e0221947	3.7	15
53	SPOTing long-term changes in vegetation over short-term variability. <i>International Journal of Mining, Reclamation and Environment</i> , <b>2014</b> , 28, 2-24	2.2	14
52	DEVELOPING SPECIES SPECIFIC VEGETATION MAPS USING MULTI-SPECTRAL HYPERSPECTRAL IMAGERY FROM UNMANNED AERIAL VEHICLES. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 1-3, 311-316		14
51	Discriminating between large-scale oil palm plantations and smallholdings on tropical peatlands using vegetation indices and supervised classification of LANDSAT-8. <i>International Journal of Remote Sensing</i> , <b>2019</b> , 40, 7312-7328	3.1	13
50	Mapping cumulative impacts of mining on sediment retention ecosystem service in an Australian mining region. <i>International Journal of Sustainable Development and World Ecology</i> , <b>2018</b> , 25, 69-80	3.8	12
49	Building a green Belt and Road: A systematic review and comparative assessment of the Chinese and English-language literature. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239009	3.7	12
48	Assessment of ALOS-2 PALSAR-2L-band and Sentinel-1 C-band SAR backscatter for discriminating between large-scale oil palm plantations and smallholdings on tropical peatlands. <i>Remote Sensing Applications: Society and Environment</i> , <b>2019</b> , 13, 183-190	2.8	12
47	Ecosystem Services Mapping Uncertainty Assessment: A Case Study in the Fitzroy Basin Mining Region. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 88	3	11
46	Ecoregionalization classification of wetlands based on a cluster analysis of environmental data. <i>Applied Vegetation Science</i> , <b>2016</b> , 19, 724-735	3.3	10
45	The conservation value of unlogged and logged forests for native mammals on the East Coast of Peninsular Malaysia. <i>Journal for Nature Conservation</i> , <b>2017</b> , 40, 113-119	2.3	10
44	Land cover mapping of the Mekong Delta to support natural resource management with multi-temporal Sentinel-1A synthetic aperture radar imagery. <i>Remote Sensing Applications: Society and Environment</i> , <b>2020</b> , 17, 100272	2.8	10

43	There will be conflict Agricultural landscapes are prime, rather than marginal, habitats for Asian elephants. <i>Animal Conservation</i> , <b>2021</b> , 24, 720	3.2	10
42	Simulating the value of collaboration in multi-actor conservation planning. <i>Ecological Modelling</i> , <b>2013</b> , 249, 19-25	3	9
41	Remote Sensing of Mine Site Rehabilitation for Ecological Outcomes: A Global Systematic Review. <i>Remote Sensing</i> , <b>2020</b> , 12, 3535	5	8
40	Quantifying suspended solids in small rivers using satellite data. <i>Science of the Total Environment</i> , <b>2018</b> , 634, 1554-1562	10.2	8
39	A Review of Urban Ecosystem Services Research in Southeast Asia. <i>Land</i> , <b>2021</b> , 10, 40	3.5	8
38	Quantifying species richness and composition of elusive rainforest mammals in Taman Negara National Park, Peninsular Malaysia. <i>Global Ecology and Conservation</i> , <b>2019</b> , 18, e00607	2.8	7
37	Predation of potential insect pests in oil palm plantations, rubber tree plantations, and fruit orchards. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 654-661	2.8	7
36	Mitigating the risks of indirect land use change (ILUC) related deforestation from industrial palm oil expansion by sharing land access with displaced crop and cattle farmers. <i>Land Use Policy</i> , <b>2021</b> , 107, 105498	5.6	7
35	Historical socio-environmental assessment of resource development footprints using remote sensing. <i>Remote Sensing Applications: Society and Environment</i> , <b>2019</b> , 15, 100236	2.8	6
34	Spatially Integrated Social Sciences with Qualitative GIS to Support Impact Assessment in Mining Communities. <i>Resources</i> , <b>2019</b> , 8, 47	3.7	6
33	A Socio-Ecological Approach to GIS Least-Cost Modelling for Regional Mining Infrastructure Planning: A Case Study from South-East Sulawesi, Indonesia. <i>Resources</i> , <b>2017</b> , 6, 7	3.7	6
32	Climate suitability estimates offer insight into fundamental revegetation challenges among post-mining rehabilitated landscapes in eastern Australia		6
31	Public Open space, Green exercise and well-being in Chittagong, Bangladesh. <i>Urban Forestry and Urban Greening</i> , <b>2020</b> , 55, 126825	5.4	6
30	Rethinking tourism conflict potential within and between groups using participatory mapping. <i>Landscape and Urban Planning</i> , <b>2020</b> , 203, 103902	7.7	6
29	Using elephant movements to assess landscape connectivity under Peninsular Malaysia's central forest spine land use policy. <i>Conservation Science and Practice</i> , <b>2019</b> , 1, e133	2.2	6
28	Tasmanian Midlands: A case study of increasing sophistication in conservation planning and action over four decades. <i>Ecological Management and Restoration</i> , <b>2021</b> , 22, 11-23	1.4	6
27	Surface-strip coal mine land rehabilitation planning in South Africa and Australia: Maturity and opportunities for improvement. <i>Resources Policy</i> , <b>2017</b> , 54, 117-129	7.2	5
26	Land use conversion from peat swamp forest to oil palm agriculture greatly modifies microclimate and soil conditions. <i>PeerJ</i> , <b>2019</b> , 7, e7656	3.1	5

25	Belt and Road Initiative in Central Asia: Anticipating socioecological challenges from large-scale infrastructure in a global biodiversity hotspot. <i>Conservation Letters</i> , e12819	6.9	5
24	Quantifying rehabilitation risks for surface-strip coal mines using a soil compaction Bayesian network in South Africa and Australia: To demonstrate the R AIN Framework. <i>Integrated Environmental Assessment and Management</i> , <b>2019</b> , 15, 190-208	2.5	4
23	Environmental Impacts of Planned Capitals and Lessons for Indonesia's New Capital. <i>Land</i> , <b>2020</b> , 9, 438	3.5	4
22	Ecological connectivity in fragmented agricultural landscapes and the importance of scattered trees and small patches. <i>Ecological Processes</i> , <b>2021</b> , 10,	3.6	4
21	A multiscale, hierarchical, ecoregional and floristic classification of arid and semi-arid ephemeral wetlands in New South Wales, Australia. <i>Marine and Freshwater Research</i> , <b>2018</b> , 69, 418	2.2	4
20	Private land manager capacity to conserve threatened communities under climate change. <i>Journal of Environmental Management</i> , <b>2015</b> , 159, 235-244	7.9	3
19	Assessing habitat requirements of Asian tapir in forestry landscapes: Implications for conservation. <i>Global Ecology and Conservation</i> , <b>2020</b> , 23, e01137	2.8	3
18	The Belt and Road Initiative <b>2019</b> ,		3
17	Reliability of meteorological drought indices for predicting soil moisture droughts		3
16	Design droughts as planning tool for ecosystem establishment in post-mining landscapes		3
15	Higher mortality rates for large- and medium-sized mammals on plantation roads compared to highways in Peninsular Malaysia. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 12049-12058	2.8	2
14	Conversion of peat swamp forest to oil palm cultivation reduces the diversity and abundance of macrofungi. <i>Global Ecology and Conservation</i> , <b>2020</b> , 23, e01122	2.8	2
13	The Belt and Road Initiative: Environmental Impacts in Southeast Asia <b>2019</b> , 1-23		2
12	Reliability of map accuracy assessments: A reply to Roff et al. (2016). <i>Ecological Management and Restoration</i> , <b>2016</b> , 17, 128-132	1.4	2
11	Workshop processes to generate stakeholder consensus about post-mining land uses: an Australian case study. <i>Journal of Environmental Planning and Management</i> , <b>2021</b> , 64, 334-358	2.8	2
10	Spared from poaching and natural predation, wild boars are likely to play the role of dominant forest species in Peninsular Malaysia. <i>Forest Ecology and Management</i> , <b>2021</b> , 496, 119458	3.9	2
9	A Study on the Impact of Scale-Dependent Factors on the Classification of Landcover Maps <b>2008</b> , 215-328		1
8	Evaluating the experimental cultivation of edible mushroom, <i>Volvariella volvacea</i> underneath tree canopy in tropical agroforestry systems. <i>Agroforestry Systems</i> , 1	2	1

7	Landscape-scale Remote Sensing and Classification of Lentic Habitats in a Tropical City. <i>Wetlands</i> , <b>2021</b> , 41, 1	1.7	1
6	Building Structure Mapping on Level Terrains and Sea Surfaces in Vietnam. <i>Remote Sensing</i> , <b>2021</b> , 13, 2439	5	1
5	The effect of oil palm agricultural expansion on group size of long-tailed macaques ( <i>Macaca fascicularis</i> ) in Peninsular Malaysia. <i>Mammalian Biology</i> , <b>2019</b> , 94, 48-53	1.6	1
4	Socio-environmental land cover time-series analysis of mining landscapes using Google Earth Engine and web-based mapping. <i>Remote Sensing Applications: Society and Environment</i> , <b>2021</b> , 21, 100458 <sup>2.8</sup>	2.8	1
3	Habitat fragmentation and logging affect the occurrence of lesser mouse-deer in tropical forest reserves.. <i>Ecology and Evolution</i> , <b>2022</b> , 12, e8745	2.8	1
2	Modelling regional ecological security pattern and restoration priorities after long-term intensive open-pit coal mining.. <i>Science of the Total Environment</i> , <b>2022</b> , 155491	10.2	0
1	Towards tolerable human- <del>elephant</del> elephant coexistence in tropical Asia. <i>Animal Conservation</i> , <b>2021</b> , 24, 740-742	3.2	