# Luis Inostroza

List of Publications by Year
in descending order



| 51 | 2,000 | 304701 | 243610 |
|---|---|---|---|
| papers | citations | 22 h-index | 44 g-index |

| 55 | 55 | 55 | 2102 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Urban sprawl and fragmentation in Latin America: A dynamic quantification and characterization of spatial patterns. Journal of Environmental Management, 2013, 115, 87-97. | 7.8 | 236 |
| 2 | Indicators of Cultural Ecosystem Services for urban planning: A review. Ecological Indicators, 2016, 61, 74-89. | 6.3 | 160 |
| 3 | A Heat Vulnerability Index: Spatial Patterns of Exposure, Sensitivity and Adaptive Capacity for Santiago de Chile. PLoS ONE, 2016, 11, e0162464. | 2.5 | 127 |
| 4 | From urban climate to energy consumption. Enhancing building performance simulation by including the urban heat island effect. Energy and Buildings, 2017, 145, 107-120. | 6.7 | 119 |
| 5 | Six fundamental aspects for conceptualizing multidimensional urban form: A spatial mapping perspective. Landscape and Urban Planning, 2018, 179, 55-62. | 7.5 | 98 |
| 6 | Integrating ecosystem services supply potential from future land-use scenarios in protected area management: A Bangladesh case study. Ecosystem Services, 2017, 26, 355-364. | 5.4 | 93 |
| 7 | Optical loss property of silica-based single-mode fibers. Journal of Lightwave Technology, 1992, 10, 539-543. | 4.6 | 89 |
| 8 | Monitoring ecosystem dynamics in northwestern Ethiopia using NDVI and climate variables to assess long term trends in dryland vegetation variability. Applied Geography, 2017, 79, 167-178. | 3.7 | 73 |
| 9 | Evaluating the role of ecosystem services in participatory land use planning: proposing a balanced score card. Landscape Ecology, 2014, 29, 1435-1446. | 4.2 | 71 |
| 10 | Informal urban development in Latin American urban peripheries. Spatial assessment in BogotÃ¡, Lima and Santiago de Chile. Landscape and Urban Planning, 2017, 165, 267-279. | 7.5 | 71 |
| 11 | The global homogenization of urban form. An assessment of 194 cities across time. Landscape and Urban Planning, 2020, 204, 103949. | 7.5 | 62 |
| 12 | Measuring urban ecosystem functions through â€˜Technomassâ€™â€”A novel indicator to assess urban metabolism. Ecological Indicators, 2014, 42, 10-19. | 6.3 | 59 |
| 13 | Linking ecosystem services and subjective well-being in rapidly urbanizing watersheds: Insights from a multilevel linear model. Ecosystem Services, 2020, 43, 101106. | 5.4 | 49 |
| 14 | Matches and mismatches between the supply of and demand for cultural ecosystem services in rapidly urbanizing watersheds: A case study in the Guanting Reservoir basin, China. Ecosystem Services, 2020, 45, 101156. | 5.4 | 48 |
| 15 | Monitoring the effects of land cover change on the supply of ecosystem services in an urban region: A study of Santiago-ValparaÃso, Chile. PLoS ONE, 2017, 12, e0188117. | 2.5 | 46 |
| 16 | Ecosystem services appreciation of urban lakes in Romania. Synergies and trade-offs between multiple users. Ecosystem Services, 2019, 37, 100937. | 5.4 | 46 |
| 17 | Last of the wild revisited: assessing spatial patterns of human impact on landscapes in Southern Patagonia, Chile. Regional Environmental Change, 2016, 16, 2071-2085. | 2.9 | 44 |
| 18 | Urban Flood Risk Reduction by Increasing Green Areas for Adaptation to Climate Change. Procedia Engineering, 2016, 161, 2241-2246. | 1.2 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Beyond urbanâ€“rural dichotomies: Measuring urbanisation degrees in central European landscapes using the technomass as an explicit indicator. Ecological Indicators, 2019, 96, 466-476. | 6.3 | 37 |
| 20 | And the winner is? Comparing urban green space provision and accessibility in eight European metropolitan areas using a spatially explicit approach. Urban Forestry and Urban Greening, 2020, 49, 126603. | 5.3 | 32 |
| 21 | Putting ecosystem services into practice: Trade-off assessment tools, indicators and decision support systems. Ecosystem Services, 2017, 26, 303-305. | 5.4 | 27 |
| 22 | Technomass and cooling demand in South America: a superlinear relationship?. Building Research and Information, 2018, 46, 864-880. | 3.9 | 23 |
| 23 | Does urban climate follow urban form? Analysing intraurban LST trajectories versus urban form trends in 3 cities with different background climates. Science of the Total Environment, 2022, 830, 154570. | 8.0 | 19 |
| 24 | Intraurban heterogeneity of space-time land surface temperature trends in six climate-diverse cities. Science of the Total Environment, 2022, 804, 150037. | 8.0 | 18 |
| 25 | Key Parameters for Urban Heat Island Assessment in A Mediterranean Context: A Sensitivity Analysis Using the Urban Weather Generator Model. IOP Conference Series: Materials Science and Engineering, 2017, 245, 082055. | 0.6 | 16 |
| 26 | The circularity of the urban ecosystem material productivity: The transformation of biomass into technomass in Southern Patagonia. Sustainable Cities and Society, 2018, 39, 335-343. | 10.4 | 16 |
| 27 | From urban sprawl to compact green cities â€“ advancing multi-scale and multi-dimensional analysis. Ecological Indicators, 2019, 96, 1-2. | 6.3 | 15 |
| 28 | The role of spatial planning in land change: An assessment of urban planning and nature conservation efficiency at the southeastern coast of Brazil. Land Use Policy, 2021, 111, 105771. | 5.6 | 15 |
| 29 | Too hot to handle? On the cooling capacity of urban green spaces in a Neotropical Mexican city. Urban Forestry and Urban Greening, 2022, 74, 127633. | 5.3 | 15 |
| 30 | Ecosystem services deficits in cross-boundary landscapes: spatial mismatches between green and grey systems. Urban Ecosystems, 2019, 22, 37-47. | 2.4 | 12 |
| 31 | The metabolic urban network: Urbanisation as hierarchically ordered space of flows. Cities, 2021, 109, 103029. | 5.6 | 12 |
| 32 | The varying roles of ecosystem services in poverty alleviation among rural households in urbanizing watersheds. Landscape Ecology, 2022, 37, 1673-1692. | 4.2 | 12 |
| 33 | Urban weather data and building models for the inclusion of the urban heat island effect in building performance simulation. Data in Brief, 2017, 14, 671-675. | 1.0 | 10 |
| 34 | Informal Urban Development in the Greater Buenos Aires Area: A Quantitative-Spatial Assessment Based On Householdsâ€™ Physical Features Using GIS and Principal Component Analysis. Procedia Engineering, 2016, 161, 2138-2146. | 1.2 | 9 |
| 35 | Urban Heat Island Effect on the Energy Consumption of Institutional Buildings in Rome. IOP Conference Series: Materials Science and Engineering, 2017, 245, 082015. | 0.6 | 9 |
| 36 | Does building development in Dhaka comply with land use zoning? An analysis using nighttime light and digital building heights. Sustainability Science, 2021, 16, 1323-1340. | 4.9 | 9 |

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|---|---|---|---|
| 37 | Natural Ventilation: A Mitigation Strategy to Reduce Overheating In Buildings under Urban Heat Island Effect in South American Cities. IOP Conference Series: Materials Science and Engineering, 2017, 245, 072046. | 0.6 | 6 |
| 38 | Who Pays the Bill? Assessing Ecosystem Services Losses in an Urban Planning Context. Land, 2021, 10, 369. | 2.9 | 6 |
| 39 | Ecosystem Services and Urbanisation. A Spatially Explicit Assessment in Upper Silesia, Central Europe. IOP Conference Series: Materials Science and Engineering, 2019, 471, 092028. | 0.6 | 5 |
| 40 | Urban Parks and Social Inequalities in the Access to Ecosystem Services in Santiago, Chile. IOP Conference Series: Materials Science and Engineering, 2019, 471, 102042. | 0.6 | 4 |
| 41 | Urban form datasets of 194 cities delineated based on the contiguous urban fabric for 1990 and 2015. Data in Brief, 2020, 33, 106369. | 1.0 | 4 |
| 42 | Urban Climate in the South American Coastal Cities of Guayaquil, Lima, Antofagasta, and ValparaÃso, and Its Impacts on the Energy Efficiency of Buildings. , 2019, , 33-62. | | 3 |
| 43 | El mito de pristinidad y los usos efectivos del territorio de la regiÃ³n de Magallanes, Patagonia Chilena: Forestal, minerÃa y acuicultura. Estudios Geograficos, 2015, 76, 141-175. | 0.3 | 3 |
| 44 | Measuring Urban Informality in Latin America. GIS Spatial Assessment of Informal Urban Development in Santiago De Chile. Procedia Engineering, 2016, 161, 1631-1638. | 1.2 | 2 |
| 45 | Neighbourhood Environmental Contribution and Health. A novel indicator integrating urban form and urban green. Change and Adaptation in Socio-Ecological Systems, 2018, 4, 46-51. | 1.5 | 2 |
| 46 | Urban Heat Island of ValparaÃso, Chile - A Comparison between 2007 and 2016. IOP Conference Series: Materials Science and Engineering, 2017, 245, 072036. | 0.6 | 1 |
| 47 | Clustering Spatially Explicit Bundles of Ecosystem Services in A Central European Region. IOP Conference Series: Materials Science and Engineering, 2019, 471, 092027. | 0.6 | 1 |
| 48 | Climate change adaptation responses in Latin American urban areas.. , 2016, , 391-421. | | 1 |
| 49 | THE NEW SCIENCE OF CITIES. Michael Batty. Eure, 2015, 41, 279-283. | 0.3 | 0 |
| 50 | Ecosystem Function. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-8. | 0.1 | 0 |
| 51 | Ecosystem Function. Encyclopedia of the UN Sustainable Development Goals, 2021, , 282-289. | 0.1 | 0 |