Richard Sliuzas

List of Publications by Year
in descending order

78	3,081	136950	168389
papers	citations	32	53
		h-index	g-index

87	87	87	2592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Slums from Space—15 Years of Slum Mapping Using Remote Sensing. Remote Sensing, 2016, 8, 455.	4.0	234
2	An ontology of slums for image-based classification. Computers, Environment and Urban Systems, 2012, 36, 154-163.	7.1	205
3	The development and redevelopment of urban villages in Shenzhen. Habitat International, 2011, 35, 214-224.	5.8	190
4	Spatial impact of urban expansion on surface water bodies—A case study of Wuhan, China. Landscape and Urban Planning, 2010, 94, 175-185.	7.5	145
5	Spatio-temporal modelling of informal settlement development in Sancaktepe district, Istanbul, Turkey. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 235-246.	11.1	130
6	Agro-tourism enterprises as a form of multi-functional urban agriculture for peri-urban development in China. Habitat International, 2010, 34, 374-385.	5.8	119
7	Extraction of Slum Areas From VHR Imagery Using GLCM Variance. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1830-1840.	4.9	114
8	An integrated framework to evaluate the equity of urban public facilities using spatial multi-criteria analysis. Cities, 2014, 40, 56-69.	5.6	110
9	Understanding heterogeneity in metropolitan India: The added value of remote sensing data for analyzing sub-standard residential areas. International Journal of Applied Earth Observation and Geoinformation, 2010, 12, 359-374.	2.8	90
10	Evaluating the compatibility of multi-functional and intensive urban land uses. International Journal of Applied Earth Observation and Geoinformation, 2007, 9, 375-391.	2.8	86
11	Livelihood impacts of displacement and resettlement on informal households - A case study from Kigali, Rwanda. Habitat International, 2019, 86, 38-47.	5.8	83
12	Transferability of Object-Oriented Image Analysis Methods for Slum Identification. Remote Sensing, 2013, 5, 4209-4228.	4.0	74
13	Spatial Analyses of the Urban Village Development Process in Shenzhen, China. International Journal of Urban and Regional Research, 2013, 37, 2177-2197.	2.4	73
14	The Scope of Earth-Observation to Improve the Consistency of the SDG Slum Indicator. ISPRS International Journal of Geo-Information, 2018, 7, 428.	2.9	71
15	Informal settlement classification using point-cloud and image-based features from UAV data. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 125, 225-236.	11.1	66
16	The development of a morphological unplanned settlement index using very-high-resolution (VHR) imagery. Computers, Environment and Urban Systems, 2014, 48, 138-152.	7.1	65
17	The risk of impoverishment in urban development-induced displacement and resettlement in Ahmedabad. Environment and Urbanization, 2015, 27, 231-256.	2.6	64
18	Urban slum detection using texture and spatial metrics derived from satellite imagery. Journal of Spatial Science, 2016, 61, 405-426.	1.5	62

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19	Beijing. Cities, 2013, 31, 491-506.	5.6	61
20	Climate vulnerability mapping: A systematic review and future prospects. Wiley Interdisciplinary Reviews: Climate Change, 2019, 10, e600.	8.1	60
21	Because space matters: conceptual framework to help distinguish slum from non-slum urban areas. BMJ Global Health, 2019, 4, e001267.	4.7	60
22	The Land-Use Diversity in Urban Villages in Shenzhen. Environment and Planning A, 2012, 44, 2742-2764.	3.6	53
23	Uncertainty analysis for image interpretations of urban slums. Computers, Environment and Urban Systems, 2016, 60, 37-49.	7.1	48
24	Machine Learning-Based Slum Mapping in Support of Slum Upgrading Programs: The Case of Bandung City, Indonesia. Remote Sensing, 2018, 10, 1522.	4.0	47
25	Capturing the Diversity of Deprived Areas with Image-Based Features: The Case of Mumbai. Remote Sensing, 2017, 9, 384.	4.0	46
26	What Drives the Spatial Development of Urban Villages in China?. Urban Studies, 2013, 50, 3394-3411.	3.7	45
27	Trends in urban and slum indicators across developing world cities, 1990â€"2003. Habitat International, 2008, 32, 86-108.	5.8	43
28	Open spaces and risk perception in post-earthquake Kathmandu city. Applied Geography, 2018, 93, 81-91.	3.7	42
29	Enhanced data and methods for improving open and free global population grids: putting â€˜leaving no one behindâ€™ into practice. International Journal of Digital Earth, 2020, 13, 61-77.	3.9	42
30	An Improved Global Analysis of Population Distribution in Proximity to Active Volcanoes, 1975â€"2015. ISPRS International Journal of Geo-Information, 2019, 8, 341.	2.9	41
31	From individual Fuzzy Cognitive Maps to Agent Based Models: Modeling multi-factorial and multi-stakeholder decision-making for water scarcity. Journal of Environmental Management, 2019, 250, 109482.	7.8	38
32	Need for an Integrated Deprived Area â€œSlumâ€•Mapping System (IDEAMAPS) in Low- and Middle-Income Countries (LMICs). Social Sciences, 2020, 9, 80.	1.4	38
33	Developing a cellular automata model of urban growth to inform spatial policy for flood mitigation: A case study in Kampala, Uganda. Computers, Environment and Urban Systems, 2017, 65, 53-65.	7.1	33
34	A structured participatory method to support policy option analysis in a social-ecological system. Journal of Environmental Management, 2017, 197, 360-372.	7.8	32
35	The exposure of slums to high temperature: Morphology-based local scale thermal patterns. Science of the Total Environment, 2019, 650, 1805-1817.	8.0	32
36	Evaluating the Societal Impact of Using Drones to Support Urban Upgrading Projects. ISPRS International Journal of Geo-Information, 2018, 7, 91.	2.9	27

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37	Capturing the Urban Divide in Nighttime Light Images From the International Space Station. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2578-2586.	4.9	23
38	Participatory Local Governance in Asian Cities. Environment and Urbanization ASIA, 2016, 7, 1-21.	1.8	20
39	Exploring spatial evolution of economic clusters: A case study of Beijing. International Journal of Applied Earth Observation and Geoinformation, 2012, 19, 252-265.	2.8	16
40	The Spatial and Temporal Nature of Urban Objects. Remote Sensing and Digital Image Processing, 2010, , 67-84.	0.7	15
41	Identifying degrees of deprivation from space using deep learning and morphological spatial analysis of deprived urban areas. Computers, Environment and Urban Systems, 2022, 95, 101820.	7.1	15
42	Modelling the impacts of urban upgrading on population dynamics. Environmental Modelling and Software, 2016, 78, 150-162.	4.5	14
43	Evaluating Spatial Scenarios for Sustainable Development in Quito, Ecuador. ISPRS International Journal of Geo-Information, 2020, 9, 141.	2.9	14
44	Spatial patterns of slums: Comparing African and Asian cities. , 2017, , .		13
45	Context-Based Filtering of Noisy Labels for Automatic Basemap Updating From UAV Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2731-2741.	4.9	12
46	Assessment of cascading effects of typhoons on water and sanitation services: A case study of informal settlements in Malabon, Philippines. International Journal of Disaster Risk Reduction, 2020, 51, 101755.	3.9	11
47	Opportunities for enhancing communication in settlement upgrading with geographic information technology-based support tools. Habitat International, 2003, 27, 613-628.	5.8	10
48	Monitoring household upgrading in unplanned settlements with unmanned aerial vehicles. International Journal of Applied Earth Observation and Geoinformation, 2020, 90, 102117.	2.8	10
49	The water crisis and socio-ecological development profile of Rafsanjan Township, Iran. WIT Transactions on Ecology and the Environment, 2015, , .	0.0	10
50	The Socio-Ecological analytical framework of water scarcity in rafsanjan township, Iran. International Journal of Safety and Security Engineering, 2016, 6, 764-776.	1.0	10
51	From Closed to Claimed Spaces for Participation: Contestation in Urban Redevelopment Induced-Displacements and Resettlement in Kigali, Rwanda. Land, 2020, 9, 212.	2.9	9
52	The Missing Millions in Maps: Exploring Causes of Uncertainties in Global Gridded Population Datasets. ISPRS International Journal of Geo-Information, 2022, 11, 403.	2.9	9
53	Measuring and understanding global human settlements patterns and processes: innovation, progress and application. International Journal of Digital Earth, 2020, 13, 2-8.	3.9	8
54	CLASSIFICATION OF INFORMAL SETTLEMENTS THROUGH THE INTEGRATION OF 2D AND 3D FEATURES EXTRACTED FROM UAV DATA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, III-3, 317-324.	0.0	8

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55	Urban induced-displacement of informal settlement dwellers: A comparison of affected households' and planning officials' preferences for resettlement site attributes in Kigali, Rwanda. Habitat International, 2022, 119, 102489.	5.8	8
56	Slum mapping. , 2017, , .		6
57	The influence of governance rearrangements on flood risk management in Kampala, Uganda. Environmental Policy and Governance, 2020, 30, 151-163.	3.7	6
58	CLASSIFICATION OF INFORMAL SETTLEMENTS THROUGH THE INTEGRATION OF 2D AND 3D FEATURES EXTRACTED FROM UAV DATA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, III-3, 317-324.	0.0	6
59	A GIS-based method to assess the shortage areas of community health service — Case study in Wuhan, China. , 2011, , .		4
60	Assessing the quality of Global Human Settlement Layer products for Kampala, Uganda. , 2017, , .		4
61	An extended briefing and debriefing technique to enhance data quality in cross-national/language mixed-method research. International Journal of Social Research Methodology: Theory and Practice, 2020, 23, 661-675.	4.4	4
62	The unintended consequences of Egypt's institutional land regime on unplanned settlement growth in the Nile Valley. Land Use Policy, 2022, 113, 105887.	5.6	4
63	Wildland urban interface of the City of Cape Town 1990â€"2019. Geographical Research, 2022, 60, 395-413.	1.8	4
64	Integration of 2D and 3D features from UAV imagery for informal settlement classification using Multiple Kernel Learning. , 2016, , .		3
65	City nighttime light variations using ISS images. , 2017, , .		3
66	Spatial and Temporal Human Settlement Growth Differentiation with Symbolic Machine Learning for Verifying Spatial Policy Targets: Assiut Governorate, Egypt as a Case Study. Remote Sensing, 2020, 12, 3799.	4.0	3
67	Making Use of Fuzzy Cognitive Maps in Agent-Based Modeling. Springer Proceedings in Complexity, 2020, , 307-313.	0.3	3
68	Simulating urban development scenarios for Wuhan. , 2012, , .		2
69	The utility of the co-occurrence matrix to extract slum areas from VHR imagery. , 2015, , .		2
70	Do we underestimate the global slum population?. , 2019, , .		2
71	Study on spatial structure of large scale retail stores based on space syntax: case study in Wuhan. Proceedings of SPIE, 2009, , .	0.8	1
72	Balanced training for GIS users. Journal of the Indian Society of Remote Sensing, 1989, 17, 133-139.	2.4	0

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73	AESOP Thematic Groups: Resilience and Risk Mitigation Strategies. Disp, 2015, 51, 90-92.	0.4	0
74	An automated technique for basemap updating using UAV data. , 2017, , .		0
75	EO-Based Low-Cost Frameworks to Address Global Urban Data GAPS on Deprivation and Multiple Hazards. , 2021, , .		0
76	Quantifying changes in land use and surface water bodies in Wuhan, China. , 2008, , 83-89.		0
77	Policy Option Simulation in Socio-ecological Systems. Springer Proceedings in Complexity, 2020, , 315-320.	0.3	0
78	Monitoring the land consumption rate of urban growth from the Urban Footprint of Mexico, an online national cartographic platform. Terra Digitalis, 0, , .	0.5	0