

# Irma ChacÃ³n

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

7,334  
citations

57719

44  
h-index

56687

83  
g-index

119  
all docs

119  
docs citations

119  
times ranked

4561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving down the urban hierarchy: Turning point of China's internal migration caused by age structure and <i>hukou</i> system. <i>Urban Studies</i> , 2022, 59, 1389-1405.	2.2	17
2	The Varying Relationships between Multidimensional Urban Form and Urban Vitality in Chinese Megacities: Insights from a Comparative Analysis. <i>Annals of the American Association of Geographers</i> , 2022, 112, 141-166.	1.5	19
3	Delineating functional urban areas in Chinese mega city regions using fine-grained population data and cellphone location data: A case of Pearl River Delta. <i>Computers, Environment and Urban Systems</i> , 2022, 93, 101771.	3.3	11
4	Disamenity effects of displaced villagers's resettlement community on housing price in China and implication for socio-spatial segregation. <i>Applied Geography</i> , 2022, 142, 102681.	1.7	7
5	Socioeconomic variations and disparity in space-time accessibility in suburban China: A case study of Guangzhou. <i>Urban Studies</i> , 2021, 58, 750-768.	2.2	15
6	Cellular Automata Modeling for Urban and Regional Planning. <i>Urban Book Series</i> , 2021, , 865-883.	0.3	11
7	Investigation of the capability of multitemporal RADARSAT-2 fully polarimetric SAR images for land cover classification: a case of Panyu, Guangdong province. <i>European Journal of Remote Sensing</i> , 2021, 54, 338-350.	1.7	8
8	Is ride-hailing a valuable means of transport in newly developed areas under TOD-oriented urbanization in China? Evidence from Chengdu City. <i>Journal of Transport Geography</i> , 2021, 96, 103183.	2.3	14
9	Classification of Photo-Realistic 3D Window Views in a High-Density City: The Case of Hong Kong. , 2021, , 1339-1350.		1
10	Administrative restructuring and urban development in China: Effects of urban administrative level upgrading. <i>Urban Studies</i> , 2020, 57, 1201-1223.	2.2	36
11	Regional delineation of China based on commuting flows. <i>Environment and Planning A</i> , 2020, 52, 478-482.	2.1	8
12	Analyzing spatial relationships between urban land use intensity and urban vitality at street block level: A case study of five Chinese megacities. <i>Landscape and Urban Planning</i> , 2020, 193, 103669.	3.4	194
13	From cities to super mega city regions in China in a new wave of urbanisation and economic transition: Issues and challenges. <i>Urban Studies</i> , 2020, 57, 636-654.	2.2	76
14	Predicting the expansion of urban boundary using space syntax and multivariate regression model. <i>Habitat International</i> , 2019, 86, 126-134.	2.3	36
15	Investigation of the effect of the incidence angle on land cover classification using fully polarimetric SAR images. <i>International Journal of Remote Sensing</i> , 2019, 40, 1576-1593.	1.3	11
16	Spatial variation of self-containment and jobs-housing balance in Shenzhen using cellphone big data. <i>Journal of Transport Geography</i> , 2018, 68, 102-108.	2.3	54
17	A commuting spectrum analysis of the jobs-housing balance and self-containment of employment with mobile phone location big data. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2018, 45, 434-451.	1.0	29
18	Regional effects of producer services on manufacturing productivity in China. <i>Applied Geography</i> , 2018, 97, 263-274.	1.7	28

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19	Gendered immobility: influence of social roles and local context on mobility decisions in Pakistan. <i>Transportation Planning and Technology</i> , 2018, 41, 660-678.	0.9	21
20	Gender inequality in mobility and mode choice in Pakistan. <i>Transportation</i> , 2017, 44, 1519-1534.	2.1	63
21	Angle Difference Method for Vehicle Navigation in Multilevel Road Networks With a Three-Dimensional Transport GIS Database. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017, 18, 140-152.	4.7	15
22	Will rural urbanization produce a new producer service space in China?. <i>Habitat International</i> , 2017, 67, 105-117.	2.3	13
23	A crop phenology knowledge-based approach for monthly monitoring of construction land expansion using polarimetric synthetic aperture radar imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 133, 1-17.	4.9	11
24	Political tournament and regional cooperation in China: a game theory approach. <i>Annals of Regional Science</i> , 2017, 58, 597-622.	1.0	11
25	Measurements of POI-based mixed use and their relationships with neighbourhood vibrancy. <i>International Journal of Geographical Information Science</i> , 2017, 31, 658-675.	2.2	323
26	Automatic calibration of in-vehicle portable inclinometer using mobile phone for vehicle navigation. , 2017, , .		0
27	Spatial proximity and location dynamics of knowledge-intensive business service in the Pearl River Delta, China. <i>Habitat International</i> , 2016, 53, 390-402.	2.3	19
28	Transportation disadvantage and activity participation in the cities of Rawalpindi and Islamabad, Pakistan. <i>Transport Policy</i> , 2016, 47, 1-12.	3.4	38
29	A comparative study of outlier detection for large-scale traffic data by one-class SVM and kernel density estimation. , 2015, , .		4
30	Monthly short-term detection of land development using RADARSAT-2 polarimetric SAR imagery. <i>Remote Sensing of Environment</i> , 2015, 164, 179-196.	4.6	18
31	A three-component method for timely detection of land cover changes using polarimetric SAR images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 107, 3-21.	4.9	44
32	Hierarchical polygonization for generating and updating lane-based road network information for navigation from road markings. <i>International Journal of Geographical Information Science</i> , 2015, 29, 1509-1533.	2.2	12
33	Economic transition and urban transformation of China: The interplay of the state and the market. <i>Urban Studies</i> , 2015, 52, 2822-2848.	2.2	86
34	Outlier detection in traffic data based on the Dirichlet process mixture model. <i>IET Intelligent Transport Systems</i> , 2015, 9, 773-781.	1.7	25
35	Producer service linkages and city connectivity in the mega-city region of China: A case study of the Pearl River Delta. <i>Urban Studies</i> , 2015, 52, 2458-2482.	2.2	60
36	Short-Interval Monitoring of Land Use and Land Cover Change Using a Time Series of RADARSAT-2 Polarimetric SAR Images. , 2015, , 353-371.		3

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37	State Rescaling and the Making of City-Regions in the Pearl River Delta, China. <i>Environment and Planning C: Urban Analytics and City Science</i> , 2014, 32, 129-143.	1.5	80
38	Patterns of Residential Adjustment for Older Person: Who will Recover and How Do They Recover? A Study in Different Residential Environments in Hong Kong. <i>Social Indicators Research</i> , 2014, 119, 295-319.	1.4	1
39	Zooming into individuals to understand the collective: A review of trajectory-based travel behaviour studies. <i>Travel Behaviour &amp; Society</i> , 2014, 1, 69-78.	2.4	167
40	Spatial Development of Producer Services in the Chinese Urban System. <i>Environment and Planning A</i> , 2013, 45, 159-179.	2.1	39
41	Interjurisdictional Cooperation through Bargaining: The Case of the Guangzhou-Zhuhai Railway in the Pearl River Delta, China. <i>China Quarterly</i> , 2013, 213, 130-151.	0.5	53
42	Re-building Regulation and Re-inventing Governance in the Pearl River Delta, China. <i>Urban Policy and Research</i> , 2012, 30, 385-401.	0.8	17
43	Integration of Polarimetric Decomposition, Object-Oriented Image Analysis, and Decision Tree Algorithms for Land-Use and Land-Cover Classification using RADARSAT-2 Polarimetric SAR Data. <i>Photogrammetric Engineering and Remote Sensing</i> , 2012, 78, 169-181.	0.3	6
44	A Self-Learning Short-Term Traffic Forecasting System. <i>Environment and Planning B: Planning and Design</i> , 2012, 39, 471-485.	1.7	0
45	Modeling of traffic data characteristics by Dirichlet Process Mixtures. , 2012, , .		3
46	A novel algorithm for land use and land cover classification using RADARSAT-2 polarimetric SAR data. <i>Remote Sensing of Environment</i> , 2012, 118, 21-39.	4.6	217
47	An improved distance metric for the interpolation of link-based traffic data using kriging: a case study of a large-scale urban road network. <i>International Journal of Geographical Information Science</i> , 2012, 26, 667-689.	2.2	62
48	Exploratory calibration of a spatial interaction model using taxi GPS trajectories. <i>Computers, Environment and Urban Systems</i> , 2012, 36, 140-153.	3.3	74
49	Intraurban Location of Producer Services in Guangzhou, China. <i>Environment and Planning A</i> , 2011, 43, 28-47.	2.1	20
50	Editorial: Sustainable Urban Development. <i>Computers, Environment and Urban Systems</i> , 2011, 35, 345-346.	3.3	3
51	Introduction: High-Rise Living in Asian Cities. , 2011, , 1-8.		12
52	Tall Building Living in High Density Cities: A Comparison of Hong Kong and Singapore. , 2011, , 9-23.		9
53	Governing global city regions in China and the West. <i>Progress in Planning</i> , 2010, 73, 1-75.	2.3	91
54	Person-Environment (P-E) Fit Models and Psychological Well-Being Among Older Persons in Hong Kong. <i>Environment and Behavior</i> , 2010, 42, 221-242.	2.1	36

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55	Integrating object-oriented image analysis and decision tree algorithm for land use and land cover classification using RADARSAT-2 polarimetric SAR imagery. , 2010, , .		2
56	Decoding Urban Land Governance: State Reconstruction in Contemporary Chinese Cities. Urban Studies, 2009, 46, 559-581.	2.2	124
57	Informal Social Support and Older Personsâ€™ Psychological Well-Being in Hong Kong. Journal of Cross-Cultural Gerontology, 2008, 23, 39-55.	0.5	76
58	Spatiotemporal traffic-flow dependency and short-term traffic forecasting. Environment and Planning B: Planning and Design, 2008, 35, 762-771.	1.7	38
59	Using anomaly detection method and multi-temporal Radarsat images for short-term land use/land cover change detection. , 2008, , .		0
60	Regional Cooperation in the Pan-Pearl River Delta: A Formulaic Aspiration or A New Imagination?. Built Environment, 2008, 34, 408-426.	0.4	32
61	Prediction Time Horizon and Effectiveness of Real-time Data on Short-term Traffic Predictability. , 2007, , .		8
62	Discovery of transition rules for geographical cellular automata by using ant colony optimization. Science in China Series D: Earth Sciences, 2007, 50, 1578-1588.	0.9	52
63	Errors and uncertainties in urban cellular automata. Computers, Environment and Urban Systems, 2006, 30, 10-28.	3.3	128
64	High-rise Living in Singapore Public Housing. Urban Studies, 2006, 43, 583-600.	2.2	84
65	Determining Optimal Critical Junctions for Real-time Traffic Monitoring for Transport GIS. , 2005, , 447-458.		1
66	ModelObjectsâ€™â€“a model management component for the development of planning support systems. Computers, Environment and Urban Systems, 2005, 29, 133-157.	3.3	12
67	City Repositioning and Competitiveness Building in Regional Development: New Development Strategies in Guangzhou, China. International Journal of Urban and Regional Research, 2005, 29, 283-308.	1.2	229
68	The impacts of dwelling conditions on older personsâ€™ psychological well-being in Hong Kong: the mediating role of residential satisfaction. Social Science and Medicine, 2005, 60, 2785-2797.	1.8	138
69	Knowledge discovery for geographical cellular automata. Science in China Series D: Earth Sciences, 2005, 48, 1758-1767.	0.9	7
70	Territorial Cohesion: An International Comparison from the Perspective of Greater Pearl River Delta, Southern China. Planning Theory and Practice, 2005, 6, 409-413.	0.8	0
71	Integration of genetic algorithms and GIS for optimal location search. International Journal of Geographical Information Science, 2005, 19, 581-601.	2.2	114
72	HOW WILLING ARE WE TO LIVE IN TALL(ER) HOUSING?. , 2005, , .		1

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73	Assessing the Effectiveness of Dynamic Symbols in Cartographic Communication. <i>Cartographic Journal</i> , 2004, 41, 229-244.	0.8	24
74	The Use of Modal Accessibility Gap as an Indicator for Sustainable Transport Development. <i>Environment and Planning A</i> , 2004, 36, 921-936.	2.1	81
75	Factors influencing older personsâ€™ residential satisfaction in big and densely populated cities in asia: A case study in Hong Kong. <i>Ageing International</i> , 2004, 29, 46-70.	0.6	52
76	Multitemporal SAR images for monitoring cultivation systems using case-based reasoning. <i>Remote Sensing of Environment</i> , 2004, 90, 524-534.	4.6	51
77	Data mining of cellular automata's transition rules. <i>International Journal of Geographical Information Science</i> , 2004, 18, 723-744.	2.2	148
78	Analyzing spatial restructuring of land use patterns in a fast growing region using remote sensing and GIS. <i>Landscape and Urban Planning</i> , 2004, 69, 335-354.	3.4	327
79	Component-Based Approach in the Development of a Knowledge-Based Planning Support System (KBPSS). Part 1: The Architecture of KBPSS. <i>Environment and Planning B: Planning and Design</i> , 2004, 31, 517-537.	1.7	11
80	The architecture for a real-time traffic multimedia Internet geographic information system. <i>Environment and Planning B: Planning and Design</i> , 2004, 31, 349-366.	1.7	3
81	Planning, Government, Information, and the Internet. <i>Environment and Planning B: Planning and Design</i> , 2004, 31, 163-165.	1.7	6
82	Designing a GIS-Based CSCW System for Development Control with an Event-Driven Approach. <i>Photogrammetric Engineering and Remote Sensing</i> , 2004, 70, 225-233.	0.3	4
83	Component-Based Approach in the Development of a Knowledge-Based Planning Support System. Part 2: The Model and Knowledge Management Systems of KBPSS. <i>Environment and Planning B: Planning and Design</i> , 2004, 31, 647-671.	1.7	3
84	Error Propagation and Model Uncertainties of Cellular Automata in Urban Simulation with GIS. , 2004, , 329-345.		0
85	Guangzhou. <i>Cities</i> , 2003, 20, 361-374.	2.7	79
86	Simulation of Development Alternatives Using Neural Networks, Cellular Automata, and GIS for Urban Planning. <i>Photogrammetric Engineering and Remote Sensing</i> , 2003, 69, 1043-1052.	0.3	64
87	A Cellular Automata Model to Simulate Development Density for Urban Planning. <i>Environment and Planning B: Planning and Design</i> , 2002, 29, 431-450.	1.7	86
88	Neural-network-based cellular automata for simulating multiple land use changes using GIS. <i>International Journal of Geographical Information Science</i> , 2002, 16, 323-343.	2.2	687
89	Urban Simulation Using Neural Networks and Cellular Automata for Land Use Planning. , 2002, , 451-464.		29
90	Building a Case-Based Decision Support System for Land Development Control Using Land Use Function Pattern. <i>Lecture Notes in Computer Science</i> , 2002, , 642-654.	1.0	0

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91	Case-based reasoning (CBR) in development control. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2001, 3, 238-251.	1.4	14
92	Calibration of Cellular Automata by Using Neural Networks for the Simulation of Complex Urban Systems. <i>Environment and Planning A</i> , 2001, 33, 1445-1462.	2.1	121
93	A Constrained CA Model for the Simulation and Planning of Sustainable Urban Forms by Using GIS. <i>Environment and Planning B: Planning and Design</i> , 2001, 28, 733-753.	1.7	161
94	Modelling sustainable urban development by the integration of constrained cellular automata and GIS. <i>International Journal of Geographical Information Science</i> , 2000, 14, 131-152.	2.2	525
95	The transformation of the urban planning system in China from a centrally-planned to transitional economy. <i>Progress in Planning</i> , 1999, 51, 167-252.	2.3	160
96	Economic Development and Agricultural Land Loss in the Pearl River Delta, China. <i>Habitat International</i> , 1999, 23, 373-390.	2.3	240
97	Urban Spatial Structure in a Transitional Economy. <i>Journal of the American Planning Association</i> , 1999, 65, 377-394.	0.9	112
98	The integration of case-based systems and GIS in development control. <i>Environment and Planning B: Planning and Design</i> , 1999, 26, 345-364.	1.7	12
99	Applying case-based reasoning to urban planning: a new planning-support system tool. <i>Environment and Planning B: Planning and Design</i> , 1999, 26, 101-115.	1.7	28
100	Sustainable land development model for rapid growth areas using GIS. <i>International Journal of Geographical Information Science</i> , 1998, 12, 169-189.	2.2	125
101	Chapter 4 Availability and pricing of georeferenced data in Asia Pacific. <i>Modern Cartography Series</i> , 1998, 3, 47-69.	0.3	0
102	An integrated remote sensing and GIS approach in the monitoring and evaluation of rapid urban growth for sustainable development in the Pearl River Delta, China. <i>International Planning Studies</i> , 1997, 2, 193-210.	1.2	121
103	Changing Spatial Distribution and Determinants of Land Development in Chinese Cities in the Transition from a Centrally Planned Economy to a Socialist Market Economy: A Case Study of Guangzhou. <i>Urban Studies</i> , 1997, 34, 1851-1879.	2.2	162
104	Economic restructuring and land use planning in Hong Kong. <i>Land Use Policy</i> , 1997, 14, 25-39.	2.5	10
105	The New Land Development Process and Urban Development in Chinese Cities*. <i>International Journal of Urban and Regional Research</i> , 1996, 20, 330-353.	1.2	293
106	An integrated GIS and location-allocation approach to public facilities planning – An example of open space planning. <i>Computers, Environment and Urban Systems</i> , 1996, 20, 339-350.	3.3	85
107	THE SOCIAL SPACE OF GUANGZHOU CITY, CHINA. <i>Urban Geography</i> , 1995, 16, 595-621.	1.7	54
108	INTERNAL STRUCTURE OF CHINESE CITIES IN THE MIDST OF ECONOMIC REFORM. <i>Urban Geography</i> , 1995, 16, 521-554.	1.7	59

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109	INDUSTRIAL POLICY AND INDUSTRIAL PARK DEVELOPMENT IN HONG KONG. <i>Asian Geographer</i> , 1992, 11, 87-114.	0.4	2
110	Public Housing-Led New Town Development: Hong Kong and Singapore. <i>International Development Planning Review</i> , 1987, 9, 41.	0.2	8
111	SATELLITE TOWN DEVELOPMENT IN CHINA: PROBLEMS AND PROSPECTS. <i>Tijdschrift Voor Economische En Sociale Geografie</i> , 1987, 78, 190-200.	1.2	4
112	Provincial variation of urbanization and urban primacy in China. <i>Annals of Regional Science</i> , 1984, 18, 1-20.	1.0	24
113	Public Housing and Urban Development in Hong Kong. <i>International Development Planning Review</i> , 1984, 6, 79.	0.2	25
114	MEASURING POLYCENTRICITY OF MEGA-CITY REGIONS IN CHINA BASED ON THE INTERCITY MIGRATION FLOWS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B6, 275-281.	0.2	4
115	A GIS-based Computer-supported Collaborative Work Flow System in Urban Planning. , 0, , 304-320.		0