

Marti Rosas-Casals

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,937
citations

471477

17
h-index

377849

34
g-index

37
all docs

37
docs citations

37
times ranked

2335
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature's contribution to people as a framework for examining socioecological systems: The case of pastoral systems. <i>Ecosystem Services</i> , 2021, 49, 101265.	5.4	23
2	Material Principles and Economic Relations Underlying Neolithic Axe Circulation in Western Europe. <i>Journal of Archaeological Method and Theory</i> , 2020, 27, 771-798.	3.0	6
3	Improved environmental impact in the architecture industry: LCA analysis of an alternative masonry element. <i>Renewable Energy</i> , 2020, 147, 1718-1727.	8.9	9
4	A water balance model to estimate climate change impact on groundwater recharge in Yucatan Peninsula, Mexico. <i>Hydrological Sciences Journal</i> , 2020, 65, 470-486.	2.6	25
5	Decentralized biomass for biogas production. Evaluation and potential assessment in Punjab (India). <i>Energy Reports</i> , 2020, 6, 1702-1714.	5.1	41
6	An Exploratory Multivariate Statistical Analysis to Assess Urban Diversity. <i>Sustainability</i> , 2019, 11, 3812.	3.2	3
7	Water societal metabolism in the Yucatan Peninsula. The impact of climate change on the recharge of groundwater by 2030. <i>Journal of Cleaner Production</i> , 2019, 235, 272-287.	9.3	14
8	Patterns and trends in engineering education in sustainability. <i>International Journal of Sustainability in Higher Education</i> , 2019, 20, 360-377.	3.1	17
9	Structure of force variability during squats performed with an inertial flywheel device under stable versus unstable surfaces. <i>Human Movement Science</i> , 2019, 66, 497-503.	1.4	11
10	Cities and quality of life. Quantitative modeling of the emergence of the happiness field in urban studies. <i>Cities</i> , 2019, 88, 191-208.	5.6	18
11	Maximising the Degree of User Choice. A Simple Tool to Measure Current Levels of Quality of Life in Urban Environments. <i>Urban Planning</i> , 2019, 4, 207-222.	1.3	2
12	A Simple Spatiotemporal Evolution Model of a Transmission Power Grid. <i>IEEE Systems Journal</i> , 2018, 12, 3747-3754.	4.6	7
13	Applying network analysis to assess coastal risk planning. <i>Ocean and Coastal Management</i> , 2018, 162, 127-136.	4.4	10
14	Spatial and Performance Optimality in Power Distribution Networks. <i>IEEE Systems Journal</i> , 2018, 12, 2557-2565.	4.6	5
15	Network Hierarchy Evolution and System Vulnerability in Power Grids. <i>IEEE Systems Journal</i> , 2018, 12, 2721-2728.	4.6	21
16	Transdisciplinarity in higher education for sustainability: How discourses are approached in engineering education. <i>Journal of Cleaner Production</i> , 2018, 175, 29-37.	9.3	127
17	A societal metabolism approach to job creation and renewable energy transitions in Catalonia. <i>Energy Policy</i> , 2017, 108, 551-564.	8.8	12
18	Unveiling connectivity patterns of categories in complex systems: An application to human needs in urban places. <i>Journal of Mathematical Sociology</i> , 2016, 40, 219-238.	1.2	1

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19	Transport energy demand in Andorra. Assessing private car futures through sensitivity and scenario analysis. <i>Energy Policy</i> , 2016, 96, 78-92.	8.8	12
20	Correlating empirical data and extended topological measures in power grid networks. <i>International Journal of Critical Infrastructures</i> , 2015, 11, 82.	0.2	4
21	Knowing power grids and understanding complexity science. <i>International Journal of Critical Infrastructures</i> , 2015, 11, 4.	0.2	20
22	Obsolescence in Urban Energy Infrastructures: The Influence of Scaling Laws on Consumption Forecasting. <i>Journal of Urban Technology</i> , 2015, 22, 3-17.	4.7	698
23	The vulnerability of Pyrenean ski resorts to climate-induced changes in the snowpack. <i>Climatic Change</i> , 2015, 131, 591-605.	3.6	36
24	Transport energy consumption in mountainous roads. A comparative case study for internal combustion engines and electric vehicles in Andorra. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 34, 16-26.	6.8	65
25	Sovereignty, Robustness, and Short-Term Energy Security Levels. The Catalonia Case Study. <i>Frontiers in Energy Research</i> , 2014, 2, .	2.3	3
26	Spatial optimality in power distribution networks. , 2014, , .		0
27	A georeferenced agent-based model to analyze the climate change impacts on ski tourism at a regional scale. <i>International Journal of Geographical Information Science</i> , 2014, 28, 2474-2494.	4.8	34
28	Influencia del cambio climático en el turismo de nieve del Pirineo. Experiencia del proyecto de investigación NIVOPYR. <i>Pirineos</i> , 2014, 169, e006.	0.6	4
29	Modification of the Perrineâ€™s Baum Diagram to Improve the Calculation of High-Voltage Transmission Lines. <i>IEEE Transactions on Education</i> , 2013, 56, 274-279.	2.4	2
30	The evolutionary ecology of technological innovations. <i>Complexity</i> , 2013, 18, 15-27.	1.6	75
31	Potential energy savings and economic impact of residential buildings under national and regional efficiency scenarios. A Catalan case study. <i>Energy and Buildings</i> , 2012, 49, 119-125.	6.7	38
32	Modeling climate change effects on winter ski tourism in Andorra. <i>Climate Research</i> , 2012, 54, 197-207.	1.1	41
33	Analysis of major failures in Europeâ€™s power grid. <i>International Journal of Electrical Power and Energy Systems</i> , 2011, 33, 805-808.	5.5	46
34	Discerning Electricity Consumption Patterns from Urban Allometric Scaling. , 2010, , .		5
35	Robustness of the European power grids under intentional attack. <i>Physical Review E</i> , 2008, 77, 026102.	2.1	227
36	TOPOLOGICAL VULNERABILITY OF THE EUROPEAN POWER GRID UNDER ERRORS AND ATTACKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 2465-2475.	1.7	262

#	ARTICLE	IF	CITATIONS
37	Democratizing Energy, Energizing Democracy: Central Dimensions Surfacing in the Debate. <i>Frontiers in Energy Research</i> , 0, 8, .	2.3	13