Nahid Mohajeri

List of Publications by Year
in descending order

47	2,084	394421	243625
papers	citations	19	44
		h-index	g-index
49	49	49	1538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shallow geothermal energy potential for heating and cooling of buildings with regeneration under climate change scenarios. Energy, 2022, 244, 123086.	8.8	30
2	Impact of the COVID-19 pandemic on the energy performance of residential neighborhoods and their occupancy behavior. Sustainable Cities and Society, 2022, 82, 103896.	10.4	19
3	Spatio-temporal estimation of wind speed and wind power using extreme learning machines: predictions, uncertainty and technical potential. Stochastic Environmental Research and Risk Assessment, 2022, 36, 2049-2069.	4.0	11
4	Quantifying the technical geothermal potential from shallow borehole heat exchangers at regional scale. Renewable Energy, 2021, 165, 369-380.	8.9	33
5	The CUSSH programme: learning how to support cities' transformational change towards health and sustainability. Wellcome Open Research, 2021, 6, 100.	1.8	3
6	Relationship-building around a policy decision-support tool for urban health. Buildings and Cities, 2021, 2, 717.	2.3	5
7	Covid-19 mobility restrictions: impacts on urban air quality and health. Buildings and Cities, 2021, 2, 759.	2.3	9
8	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. Lancet, The, 2021, 398, 1619-1662.	13.7	669
9	Using Machine Learning to estimate the technical potential of shallow ground-source heat pumps with thermal interference. Journal of Physics: Conference Series, 2021, 2042, 012010.	0.4	1
10	A tool for assessing the climate change mitigation and health impacts of environmental policies: the Cities Rapid Assessment Framework for Transformation (CRAFT). Wellcome Open Research, 2020, 5, 269.	1.8	9
11	Big data mining for the estimation of hourly rooftop photovoltaic potential and its uncertainty. Applied Energy, 2020, 262, 114404.	10.1	92
12	A tool for assessing the climate change mitigation and health impacts of environmental policies: the Cities Rapid Assessment Framework for Transformation (CRAFT). Wellcome Open Research, 2020, 5, 269.	1.8	8
13	A machine learning approach for mapping the very shallow theoretical geothermal potential. Geothermal Energy, 2019, 7, .	1.9	27
14	Spatio-temporal modelling and uncertainty estimation of hourly global solar irradiance using Extreme Learning Machines. Energy Procedia, 2019, 158, 6378-6383.	1.8	9
15	Integrating urban form and distributed energy systems: Assessment of sustainable development scenarios for a Swiss village to 2050. Renewable Energy, 2019, 143, 810-826.	8.9	32
16	A solar-based sustainable urban design: The effects of city-scale street-canyon geometry on solar access in Geneva, Switzerland. Applied Energy, 2019, 240, 173-190.	10.1	49
17	Urban greening archetypes at the European scale. Journal of Physics: Conference Series, 2019, 1343, 012024.	0.4	1
18	Machine learning and geographic information systems for large-scale wind energy potential estimation in rural areas. Journal of Physics: Conference Series, 2019, 1343, 012036.	0.4	4

#	Article	IF	Citations
19	A critical comparison of methods to estimate solar rooftop photovoltaic potential in Switzerland. Journal of Physics: Conference Series, 2019, 1343, 012035.	0.4	5
20	Estimation of Large-Scale Solar Rooftop PV Potential for Smart Grid Integration: A Methodological Review. Studies in Systems, Decision and Control, 2018, , 173-219.	1.0	10
21	Large-scale rooftop solar photovoltaic technical potential estimation using Random Forests. Applied Energy, 2018, 217, 189-211.	10.1	109
22	A city-scale roof shape classification using machine learning for solar energy applications. Renewable Energy, 2018, 121, 81-93.	8.9	76
23	Improving the energy sustainability of a Swiss village through building renovation and renewable energy integration. Energy and Buildings, 2018, 158, 906-923.	6.7	58
24	Combining Fourier Analysis and Machine Learning to Estimate the Shallow-Ground Thermal Diffusivity in Switzerland. , 2018, , .		1
25	Quantifying rooftop photovoltaic solar energy potential: A machine learning approach. Solar Energy, 2017, 141, 278-296.	6.1	163
26	Effects of city size on the large-scale decentralised solar energy potential. Energy Procedia, 2017, 122, 697-702.	1.8	4
27	Extending building integrated photovoltaics (BiPV) using distributed energy hubs. A case study in Cartigny, Switzerland. Energy Procedia, 2017, 122, 487-492.	1.8	6
28	Achieving energy sustainability in future neighborhoods through building refurbishment and energy hub concept: a case study in Hemberg-Switzerland. Energy Procedia, 2017, 122, 265-270.	1.8	2
29	Building rooftop classification using random forests for large-scale PV deployment. , 2017, , .		7
30	Effects of urban compactness on solar energy potential. Renewable Energy, 2016, 93, 469-482.	8.9	156
31	CO2 emissions in relation to street-network configuration and city size. Transportation Research, Part D: Transport and Environment, 2015, 35, 116-129.	6.8	42
32	Statistical-thermodynamics modelling of the built environment in relation to urban ecology. Ecological Modelling, 2015, 307, 32-47.	2.5	11
33	Quantitative Analysis of Structural Changes during Rapid Urban Growth: Case Study of Kerman, Iran. Journal of the Urban Planning and Development Division, ASCE, 2015, 141, 05014014.	1.7	1
34	The Evolution and Complexity of Urban Street Networks. Geographical Analysis, 2014, 46, 345-367.	3.5	39
35	Street networks in relation to landforms: Implications for fast-growing cities. Journal of Chinese Geography, 2014, 24, 363-381.	3.9	12
36	Dike emplacement at Bardarbunga, Iceland, induces unusual stress changes, caldera deformation, and earthquakes. Bulletin of Volcanology, 2014, 76, 1.	3.0	86

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37	Quantifying the Differences in Geometry and Size Distributions of Buildings Within Cities. Nexus Network Journal, 2014, 16, 417-436.	0.7	2
38	Relations between the scaling exponents, entropies, and energies of fracture networks. Bulletin - Societie Geologique De France, 2013, 184, 373-382.	2.2	14
39	Evolution and entropy in the organization of urban street patterns. Annals of GIS, 2013, 19, 1-16.	3.1	26
40	Entropy and order in urban street networks. Scientific Reports, 2013, 3, 3324.	3.3	63
41	Entropy Measures of Street-Network Dispersion: Analysis of Coastal Cities in Brazil and Britain. Entropy, 2013, 15, 3340-3360.	2.2	20
42	Entropies and Scaling Exponents of Street and Fracture Networks. Entropy, 2012, 14, 800-833.	2.2	34
43	Correspondence Analysis: A New Method for Analyzing Qualitative Data in Architecture. Nexus Network Journal, 2012, 14, 517-538.	0.7	12
44	Effects of landscape constraints on street patterns in cities: Examples from Khorramabad, Iran. Applied Geography, 2012, 34, 10-20.	3.7	15
45	City Shape and the Fractality of Street Patterns. Quaestiones Geographicae, 2012, 31, 29-37.	0.6	9
46	Railway station site selection using analytical hierarchy process and data envelopment analysis. Computers and Industrial Engineering, 2010, 59, 107-114.	6.3	86
47	The CUSSH programme: supporting cities' transformational change towards health and sustainability. Wellcome Open Research, 0, 6, 100.	1.8	4