

Elena Morini

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,089
citations

394421

19
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1067
citing authors

#	ARTICLE	IF	CITATIONS
1	Retroreflective façades for urban heat island mitigation: Experimental investigation and energy evaluations. <i>Applied Energy</i> , 2015, 145, 8-20.	10.1	152
2	Experimental evaluation of urban heat island mitigation potential of retro-reflective pavement in urban canyons. <i>Energy and Buildings</i> , 2016, 126, 340-352.	6.7	92
3	The Impact of Albedo Increase to Mitigate the Urban Heat Island in Terni (Italy) Using the WRF Model. <i>Sustainability</i> , 2016, 8, 999.	3.2	89
4	Evaluation of albedo enhancement to mitigate impacts of urban heat island in Rome (Italy) using WRF meteorological model. <i>Urban Climate</i> , 2018, 24, 551-566.	5.7	87
5	Flue gas treatment by power-to-gas integration for methane and ammonia synthesis – Energy and environmental analysis. <i>Energy Conversion and Management</i> , 2018, 171, 626-634.	9.2	67
6	Clathrate Hydrates for Thermal Energy Storage in Buildings: Overview of Proper Hydrate-Forming Compounds. <i>Sustainability</i> , 2014, 6, 6815-6829.	3.2	63
7	Integrated improvement of occupants' comfort in urban areas during outdoor events. <i>Building and Environment</i> , 2015, 93, 285-292.	6.9	55
8	Optic-energy performance improvement of exterior paints for buildings. <i>Energy and Buildings</i> , 2017, 139, 690-701.	6.7	51
9	Experimental Investigation on CO2 Methanation Process for Solar Energy Storage Compared to CO2-Based Methanol Synthesis. <i>Energies</i> , 2017, 10, 855.	3.1	49
10	An energy-balanced analytic model for urban heat canyons: comparison with experimental data. <i>Advances in Building Energy Research</i> , 2013, 7, 222-234.	2.3	47
11	Development and characterization of retro-reflective colored tiles for advanced building skins. <i>Energy and Buildings</i> , 2017, 154, 513-522.	6.7	47
12	Experimental Analysis of the Effect of Geometry and Façade Materials on Urban District's Equivalent Albedo. <i>Sustainability</i> , 2017, 9, 1245.	3.2	44
13	Small-Scale Compressed Air Energy Storage Application for Renewable Energy Integration in a Listed Building. <i>Energies</i> , 2018, 11, 1921.	3.1	44
14	Experimental investigations on scaled-up methane hydrate production with surfactant promotion: Energy considerations. <i>Journal of Petroleum Science and Engineering</i> , 2014, 120, 187-193.	4.2	40
15	Comparative Analysis of Monitoring Devices for Particulate Content in Exhaust Gases. <i>Sustainability</i> , 2014, 6, 4287-4307.	3.2	36
16	Planning for cooler urban canyons: Comparative analysis of the influence of façades reflective properties on urban canyon thermal behavior. <i>Solar Energy</i> , 2018, 162, 14-27.	6.1	32
17	Effects of aging on retro-reflective materials for building applications. <i>Energy and Buildings</i> , 2018, 179, 121-132.	6.7	30
18	Optimized retro-reflective tiles for exterior building element. <i>Sustainable Cities and Society</i> , 2018, 37, 146-153.	10.4	25

#	ARTICLE	IF	CITATIONS
19	Experimental investigation and energy considerations on hydrate-based biogas upgrading with CO ₂ valorization. <i>Biomass and Bioenergy</i> , 2017, 105, 364-372.	5.7	23
20	Experimental assessment of the combined effect of retroreflective façades and pavement in urban canyons. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 609, 072004.	0.6	11
21	An Innovative Configuration for CO ₂ Capture by High Temperature Fuel Cells. <i>Sustainability</i> , 2014, 6, 6687-6695.	3.2	5