Spiru Paraschiv

List of Publications by Year
in descending order

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26 papers	571 citations	686830 13 h-index	752256 20 g-index
26 all docs	26 docs citations	26 times ranked	488 citing authors

#	Article	IF	Citations
1	Assessment of onshore wind energy potential under temperate continental climate conditions. Energy Reports, 2022, 8, 251-258.	2.5	13
2	A web application to calculate the mass defect and nuclear binding energy per nucleon. Energy Reports, 2022, 8, 342-350.	2.5	2
3	Increasing the energy efficiency of a building by thermal insulation to reduce the thermal load of the micro-combined cooling, heating and power system. Energy Reports, 2021, 7, 286-298.	2.5	23
4	Calculation of combustion air required for burning solid fuels (coal / biomass / solid waste) and analysis of flue gas composition. Energy Reports, 2020, 6, 36-45.	2.5	51
5	A web application for analysis of heat transfer through building walls and calculation of optimal insulation thickness. Energy Reports, 2020, 6, 343-353.	2.5	14
6	Assessment of wind energy potential based on Weibull and Rayleigh distribution models. Energy Reports, 2020, 6, 250-267.	2.5	48
7	Technical and economic analysis of a solar air heating system integration in a residential building wall to increase energy efficiency by solar heat gain and thermal insulation. Energy Reports, 2020, 6, 459-474.	2.5	28
8	Trends of carbon dioxide (CO2) emissions from fossil fuels combustion (coal, gas and oil) in the EU member states from 1960 to 2018. Energy Reports, 2020, 6, 237-242.	2.5	99
9	Influence of NO2, NO and meteorological conditions on the tropospheric O3 concentration at an industrial station. Energy Reports, 2020, 6, 231-236.	2.5	16
10	Improving local air quality in cities by reducing nitrogen dioxide pollution from road traffic. E3S Web of Conferences, 2019, 122, 05002.	0.2	0
11	Simulation of plume dispersion emitted from industrial sources based on Gaussian model. AIP Conference Proceedings, 2019, , .	0.3	0
12	Investigation of wind power density distribution using Rayleigh probability density function. Energy Procedia, 2019, 157, 1546-1552.	1.8	20
13	Analysis of traffic and industrial source contributions to ambient air pollution with nitrogen dioxide in two urban areas in Romania. Energy Procedia, 2019, 157, 1553-1560.	1.8	31
14	Effects of wind speed, relative humidity, temperature and air pressure on PM10 concentration for an urban background area. IOP Conference Series: Materials Science and Engineering, 2019, 595, 012059.	0.3	1
15	THE ROLE OF NO2 IN OZONE FORMATION CHEMISTRY IN THE POLLUTED URBAN TROPOSPHERE. , 2019, , .		0
16	Technical and economical analysis of a PV/wind/diesel hybrid power system for a remote area. Energy Procedia, 2018, 147, 343-350.	1.8	21
17	ANALYSIS OF TEMPORAL VARIATION OF NO2 CONCENTRATIONS IN AN URBAN AREA. , 2018, , .		0
18	A review on interactions between energy performance of the buildings, outdoor air pollution and the indoor air quality. Energy Procedia, 2017, 128, 179-186.	1.8	63

#	Article	IF	Citations
19	Increasing the energy efficiency of buildings by thermal insulation. Energy Procedia, 2017, 128, 393-399.	1.8	62
20	Mathematical modelling of sawdust drying process for biomass pelleting. Energy Procedia, 2017, 141, 150-154.	1.8	9
21	OMI and Ground-Based In-Situ Tropospheric Nitrogen Dioxide Observations over Several Important European Cities during 2005â€“2014. International Journal of Environmental Research and Public Health, 2017, 14, 1415.	1.2	20
22	ASSESSMENT OF ATMOSPHERIC POLLUTION WITH NO2 AND ITS TREND DUE TO URBAN TRAFFIC IN GALATI, ROMANIA. , 2017, , .		0
23	Economic and Environmental Analysis of Investing in Solar Water Heating Systems. Sustainability, 2016, 8, 1286.	1.6	36
24	Renewable Energy Sources for the mCCHP-SE-RES Systems. Green Energy and Technology, 2015, , 91-131.	0.4	0
25	EXPERIMENTAL AND THEORETICAL ANALYSES ON THERMAL PERFORMANCE OF A SOLAR AIR COLLECTOR. Environmental Engineering and Management Journal, 2014, 13, 1965-1970.	0.2	10
26	THERMODYNAMIC PERFORMANCE FOR THE SOLAR COLLECTOR OF A MICRO-COMBINED COOLING, HEATING AND POWER SYSTEM. Environmental Engineering and Management Journal, 2011, 10, 1311-1317.	0.2	4