

George Caralis

List of Publications by Year in descending order

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17
papers

523
citations

840776

11
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of pumped storage systems towards the large scale wind integration in the Greek power supply system. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2558-2565.	16.4	75
2	Desalination using renewable energy sources on the arid islands of South Aegean Sea. <i>Energy</i> , 2016, 94, 262-272.	8.8	60
3	Feed-in tariffs for promotion of energy storage technologies. <i>Energy Policy</i> , 2011, 39, 1410-1425.	8.8	59
4	Analysis of the combined use of wind and pumped storage systems in autonomous Greek islands. <i>IET Renewable Power Generation</i> , 2007, 1, 49.	3.1	54
5	On the market of wind with hydro-pumped storage systems in autonomous Greek islands. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 2221-2226.	16.4	52
6	Integration of wind and hydrogen technologies in the power system of Corvo island, Azores: A cost-benefit analysis. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8143-8151.	7.1	50
7	Profitability of wind energy investments in China using a Monte Carlo approach for the treatment of uncertainties. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 224-236.	16.4	46
8	Analysis of energy storage systems to exploit wind energy curtailment in Crete. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 103, 122-139.	16.4	40
9	Value of wind energy on the reliability of autonomous power systems. <i>IET Renewable Power Generation</i> , 2010, 4, 186.	3.1	21
10	On the effect of spatial dispersion of wind power plants on the wind energy capacity credit in Greece. <i>Environmental Research Letters</i> , 2008, 3, 015003.	5.2	20
11	Lessons learnt from the evaluation of the feed-in tariff scheme for offshore wind farms in Greece using a Monte Carlo approach. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2016, 157, 63-75.	3.9	12
12	Analysis of Wind Power Penetration in Autonomous Greek Islands. <i>Wind Engineering</i> , 2007, 31, 487-502.	1.9	11
13	The effect of spatial dispersion of wind power plants on the curtailment of wind power in the Greek power supply system. <i>Wind Energy</i> , 2010, 13, 339-355.	4.2	9
14	Is the Large-Scale Development of Wind-PV with Hydro-Pumped Storage Economically Feasible in Greece?. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2368.	2.5	7
15	Development of Aeolian map of China using mesoscale atmospheric modelling. <i>Renewable Energy</i> , 2015, 74, 60-69.	8.9	4
16	The Effect of Wind Energy on Microclimate: Lessons Learnt from a CFD Modelling Approach in the Case Study of Chios Island. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5873.	2.5	2
17	A Probabilistic Approach to Analyze Wind Energy Curtailment in Non-Interconnected Greek Islands Based on Typical Wind Year Meteorological Data. <i>Fluids</i> , 2020, 5, 123.	1.7	1