

Benedetto Nastasi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8001257/publications.pdf>

Version: 2024-02-01

74
papers

2,632
citations

145106

33
h-index

223390

49
g-index

75
all docs

75
docs citations

75
times ranked

2408
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable and sustainable energy challenges to face for the achievement of Sustainable Development Goals. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112071.	8.2	64
2	Integration of heat extraction from abandoned wells with renewables. , 2022, , 275-295.		1
3	GIS and Remote Sensing for Renewable Energy Assessment and Maps. <i>Energies</i> , 2022, 15, 14.	1.6	2
4	Investigation on Performance of Various Power Control Strategies with Bifilar Coil for Induction Surface Melting Application. <i>Energies</i> , 2022, 15, 3301.	1.6	5
5	Enhanced Salp Swarm Algorithm for Multimodal Optimization and Fuzzy Based Grid Frequency Controller Design. <i>Energies</i> , 2022, 15, 3210.	1.6	7
6	The EPLANoptMAC model to plan the decarbonisation of the maritime transport sector of a small island. <i>Energy</i> , 2022, 254, 124342.	4.5	21
7	Data-driven load profile modelling for advanced measurement and verification (M&V) in a fully electrified building. <i>Building and Environment</i> , 2022, 221, 109279.	3.0	12
8	Comparison methods of energy system frameworks, models and scenario results. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112719.	8.2	3
9	Solar power-to-gas application to an island energy system. <i>Renewable Energy</i> , 2021, 164, 1005-1016.	4.3	53
10	Load Shifting and Peak Clipping for Reducing Energy Consumption in an Indian University Campus. <i>Energies</i> , 2021, 14, 558.	1.6	18
11	The Road to Developing Economically Feasible Plans for Green, Comfortable and Energy Efficient Buildings. <i>Energies</i> , 2021, 14, 636.	1.6	8
12	Procedures and Methodologies for the Control and Improvement of Energy-Environmental Quality in Construction. <i>Energies</i> , 2021, 14, 2353.	1.6	1
13	A techno-economic assessment on the adoption of latent heat thermal energy storage systems for district cooling optimal dispatch & operations. <i>Applied Energy</i> , 2021, 289, 116646.	5.1	33
14	Enhanced Marine Predators Algorithm for identifying static and dynamic Photovoltaic models parameters. <i>Energy Conversion and Management</i> , 2021, 236, 113971.	4.4	42
15	Techno-economic assessment of reversible Solid Oxide Cell integration to renewable energy systems at building and district scale. <i>Energy Conversion and Management</i> , 2021, 235, 113993.	4.4	36
16	Comparative study of temperature distribution impact on prediction accuracy of simulation approaches for poly and mono crystalline solar modules. <i>Energy Conversion and Management</i> , 2021, 239, 114221.	4.4	15
17	Open Data and Models for Energy and Environment. <i>Energies</i> , 2021, 14, 4413.	1.6	3
18	Acquiring the Foremost Window Allocation Strategy to Achieve the Best Trade-Off among Energy, Environmental, and Comfort Criteria in a Building. <i>Energies</i> , 2021, 14, 3962.	1.6	10

#	ARTICLE	IF	CITATIONS
19	Single Source Multi-Frequency AC-AC Converter for Induction Cooking Applications. <i>Energies</i> , 2021, 14, 4799.	1.6	4
20	The EPLANopt model for Favignana island's energy transition. <i>Energy Conversion and Management</i> , 2021, 241, 114295.	4.4	21
21	Optimized integration of Hydrogen technologies in Island energy systems. <i>Renewable Energy</i> , 2021, 174, 850-864.	4.3	37
22	Tides and Tidal Currentsâ€™ Guidelines for Site and Energy Resource Assessment. <i>Energies</i> , 2021, 14, 6123.	1.6	11
23	A TCT-SC Hybridized Voltage Equalizer for Partial Shading Mitigation in PV Arrays. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 2268-2281.	5.9	36
24	Techno-economic analysis and energy modelling as a key enablers for smart energy services and technologies in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111490.	8.2	41
25	The adoption of a planning tool software platform for optimized polygeneration design and operation â€™ A district cooling application in South-East Asia. <i>Applied Thermal Engineering</i> , 2021, 199, 117532.	3.0	4
26	Bottom-up energy system models applied to sustainable islands. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111625.	8.2	29
27	Induction Heating in Domestic Cooking and Industrial Melting Applications: A Systematic Review on Modelling, Converter Topologies and Control Schemes. <i>Energies</i> , 2021, 14, 6634.	1.6	27
28	Green Energy Sources Assessment Using Sentinel-1 Satellite Remote Sensing. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	5
29	Open data and energy analytics - An analysis of essential information for energy system planning, design and operation. <i>Energy</i> , 2020, 213, 118803.	4.5	53
30	Open Data and Energy Analytics. <i>Energies</i> , 2020, 13, 2334.	1.6	7
31	Hourly energy profile determination technique from monthly energy bills. <i>Building Simulation</i> , 2020, 13, 1235-1248.	3.0	17
32	A New Generation of Thermal Energy Benchmarks for University Buildings. <i>Energies</i> , 2020, 13, 6606.	1.6	9
33	Analysis of smart energy system approach in local alpine regions - A case study in Northern Italy. <i>Energy</i> , 2020, 202, 117748.	4.5	19
34	Classification and challenges of bottom-up energy system models - A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 129, 109917.	8.2	167
35	Validation and application of three-dimensional auralisation during concert hall renovation. <i>Building Acoustics</i> , 2020, 27, 311-331.	1.1	3
36	The sound diffusion in Italian Opera Houses: Some examples. <i>Building Acoustics</i> , 2020, 27, 333-355.	1.1	10

#	ARTICLE	IF	CITATIONS
37	Parametric Performance Analysis and Energy Model Calibration Workflow Integrationâ€”A Scalable Approach for Buildings. <i>Energies</i> , 2020, 13, 621.	1.6	24
38	Solar Energy Data Analytics: PV Deployment and Land Use. <i>Energies</i> , 2020, 13, 417.	1.6	42
39	Linking Design and Operation Phase Energy Performance Analysis Through Regression-Based Approaches. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	19
40	Energy storage technologies as techno-economic parameters for master-planning and optimal dispatch in smart multi energy systems. <i>Applied Energy</i> , 2019, 254, 113682.	5.1	91
41	Energy Retrofitting Effects on the Energy Flexibility of Dwellings. <i>Energies</i> , 2019, 12, 2788.	1.6	39
42	Hydrogen policy, market, and R&D projects. , 2019, , 31-44.		23
43	From in-situ measurement to regression and time series models: An overview of trends and prospects for building performance modelling. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	7
44	On the link between energy performance of building and thermal comfort: An example. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	17
45	Energy analytics for supporting built environment decarbonisation. <i>Energy Procedia</i> , 2019, 157, 1486-1493.	1.8	36
46	Building performance monitoring: from in-situ measurement to regression-based approaches. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 609, 072043.	0.3	2
47	Power-to-gas leverage effect on power-to-heat application for urban renewable thermal energy systems. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 23076-23090.	3.8	55
48	Energy efficiency, demand side management and energy storage technologies â€” A critical analysis of possible paths of integration in the built environment. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 95, 341-353.	8.2	162
49	Data Analysis of Heating Systems for Buildingsâ€”A Tool for Energy Planning, Policies and Systems Simulation. <i>Energies</i> , 2018, 11, 233.	1.6	31
50	On the Effects of Variation of Thermal Conductivity in Buildings in the Italian Construction Sector. <i>Energies</i> , 2018, 11, 872.	1.6	55
51	Performance Indicators of Electricity Generation at Country Levelâ€”The Case of Italy. <i>Energies</i> , 2018, 11, 650.	1.6	53
52	Small-Scale Compressed Air Energy Storage Application for Renewable Energy Integration in a Listed Building. <i>Energies</i> , 2018, 11, 1921.	1.6	44
53	Flue gas treatment by power-to-gas integration for methane and ammonia synthesis â€” Energy and environmental analysis. <i>Energy Conversion and Management</i> , 2018, 171, 626-634.	4.4	67
54	How to handle the Hydrogen enriched Natural Gas blends in combustion efficiency measurement procedure of conventional and condensing boilers. <i>Energy</i> , 2017, 123, 615-636.	4.5	80

#	ARTICLE	IF	CITATIONS
55	Innovative Use of Hydrogen in Energy Retrofitting of Listed Buildings. Energy Procedia, 2017, 111, 435-441.	1.8	23
56	The Potential of Hydrogen Enriched Natural Gas deriving from Power-to-Gas option in Building Energy Retrofitting. Energy and Buildings, 2017, 149, 424-436.	3.1	44
57	Heading towards the nZEB through CHP+HP systems. A comparison between retrofit solutions able to increase the energy performance for the heating and domestic hot water production in residential buildings. Energy Conversion and Management, 2017, 138, 61-76.	4.4	62
58	Energy retrofitting of dwellings from the 40â€™s in Borgata Trullo - Rome. Energy Procedia, 2017, 133, 281-289.	1.8	31
59	Innovative Hybrid CHP systems for high temperature heating plant in existing buildings. Energy Procedia, 2017, 133, 207-218.	1.8	32
60	Power-to-Gas integration in the Transition towards Future Urban Energy Systems. International Journal of Hydrogen Energy, 2017, 42, 23933-23951.	3.8	72
61	Energy retrofitting of residential buildingsâ€™How to couple Combined Heat and Power (CHP) and Heat Pump (HP) for thermal management and off-design operation. Energy and Buildings, 2017, 151, 293-305.	3.1	44
62	Energy Contribution of OFMSW (Organic Fraction of Municipal Solid Waste) to Energy-Environmental Sustainability in Urban Areas at Small Scale. Energies, 2017, 10, 229.	1.6	58
63	Experimental Investigation on CO2 Methanation Process for Solar Energy Storage Compared to CO2-Based Methanol Synthesis. Energies, 2017, 10, 855.	1.6	49
64	Expert Opinion Analysis on Renewable Hydrogen Storage Systems Potential in Europe. Energies, 2016, 9, 963.	1.6	47
65	Renewable energy generation and integration in Sustainable Buildingsâ€™a focus on eco-fuels. Sustainable Buildings, 2016, 1, 2.	0.7	2
66	Solar Energy Technologies in Sustainable Energy Action Plans of Italian Big Cities. Energy Procedia, 2016, 101, 1064-1071.	1.8	35
67	Hydrogen to link heat and electricity in the transition towards future Smart Energy Systems. Energy, 2016, 110, 5-22.	4.5	189
68	Energy and system renovation plan for Galleria Borghese, Rome. Energy and Buildings, 2016, 129, 549-562.	3.1	37
69	Renewable Hydrogen Potential for Low-carbon Retrofit of the Building Stocks. Energy Procedia, 2015, 82, 944-949.	1.8	38
70	Single Cylinder Internal Combustion Engine Fuelled with H2NG Operating as Micro-CHP for Residential Use: Preliminary Experimental Analysis on Energy Performances and Numerical Simulations for LCOE Assessment. Energy Procedia, 2015, 81, 1077-1089.	1.8	32
71	RES (Renewable Energy Sources) Availability Assessments for Eco-fuels Production at Local Scale: Carbon Avoidance Costs Associated to a Hybrid Biomass/H2NG-based Energy Scenario. Energy Procedia, 2015, 81, 1069-1076.	1.8	28
72	H2NG (hydrogen-natural gas mixtures) effects on energy performances of a condensing micro-CHP (combined heat and power) for residential applications: An expeditious assessment of water condensation and experimental analysis. Energy, 2015, 84, 397-418.	4.5	57

#	ARTICLE	IF	CITATIONS
73	Building integrated bioenergy production (BIBP): Economic sustainability analysis of Bari airport CHP (combined heat and power) upgrade fuelled with bioenergy from short chain. Renewable Energy, 2015, 81, 499-508.	4.3	55
74	Improving Sustainability of Energy Conversion from Biomass Resources: the case of Bari Airport CHP (Combined Heat and Power) Fuelled with Bioenergy from Short Chain. , 0, , .		1