

Muhammad Asif

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,514
citations

185998

28
h-index

168136

53
g-index

71
all docs

71
docs citations

71
times ranked

3477
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of solar PV potential in commercial buildings. <i>Renewable Energy</i> , 2022, 187, 618-630.	4.3	26
2	Application of solar PV in commercial buildings: Utilizability of rooftops. <i>Energy and Buildings</i> , 2022, 257, 111774.	3.1	23
3	Systematic Review Analysis on Smart Building: Challenges and Opportunities. <i>Sustainability</i> , 2022, 14, 3009.	1.6	26
4	Introduction to energy and environmental security. , 2022, , 1-11.		2
5	Buildings for sustainable energy future. , 2022, , 171-181.		1
6	Sustainable energy transition in the 21st century. , 2022, , 27-38.		0
7	Towards a Shared Future. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 659-668.	0.4	0
8	A critical review of energy retrofitting trends in residential buildings with particular focus on the GCC countries. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 111000.	8.2	25
9	Commercial building retrofitting: Assessment of improvements in energy performance and indoor air quality. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 100946.	2.8	19
10	Techno-Economic Assessment of Energy Retrofitting Educational Buildings: A Case Study in Saudi Arabia. <i>Sustainability</i> , 2021, 13, 179.	1.6	10
11	BIM-based techno-economic assessment of energy retrofitting residential buildings in hot humid climate. <i>Energy and Buildings</i> , 2020, 227, 110406.	3.1	48
12	Techno-Economic Assessment of Rooftop PV Systems in Residential Buildings in Hot-Humid Climates. <i>Sustainability</i> , 2020, 12, 10060.	1.6	10
13	Role of Energy Conservation and Management in the 4D Sustainable Energy Transition. <i>Sustainability</i> , 2020, 12, 10006.	1.6	18
14	Assessment of net energy contribution to buildings by rooftop photovoltaic systems in hot-humid climates. <i>Renewable Energy</i> , 2019, 131, 1288-1299.	4.3	52
15	Water Efficiency and Management in Sustainable Building Rating Systems: Examining Variation in Criteria Usage. <i>Sustainability</i> , 2019, 11, 2416.	1.6	19
16	Techno-economic assessment of application of solar PV in building sector. <i>Smart and Sustainable Built Environment</i> , 2019, 8, 34-52.	2.2	40
17	A new index for assessing the contribution of energy efficiency in LEED 2009 certified green buildings to achieving UN sustainable development goals in Jordan. <i>International Journal of Green Energy</i> , 2019, 16, 490-499.	2.1	26
18	Application of Building Performance Simulation to Design Energy-Efficient Homes: Case Study from Saudi Arabia. <i>Sustainability</i> , 2019, 11, 6048.	1.6	22

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19	Prospects of PV application in unregulated building rooftops in developing countries: A perspective from Saudi Arabia. <i>Energy and Buildings</i> , 2018, 171, 76-87.	3.1	71
20	Households energy conservation in Saudi Arabia: Lessons learnt from change-agents driven interventions program. <i>Journal of Cleaner Production</i> , 2018, 185, 998-1014.	4.6	33
21	Assessing the contribution of water and energy efficiency in green buildings to achieve United Nations Sustainable Development Goals in Jordan. <i>Building and Environment</i> , 2018, 146, 119-132.	3.0	65
22	Barriers to Industrial Energy Efficiency Improvement â€œ Manufacturing SMEs of Pakistan. <i>Energy Procedia</i> , 2017, 113, 135-142.	1.8	23
23	Integration of building energy modeling in the design process to improve sustainability standards in the residential sector â€œ Case study of the Eastern Province of Saudi Arabia. , 2017, , .		7
24	Sustainability Assessment of Enhanced Glazing Compositions of Commercial Buildings in Hot-Humid Climates. , 2017, , .		1
25	Impact of Green Roof and Orientation on the Energy Performance of Buildings: A Case Study from Saudi Arabia. <i>Sustainability</i> , 2017, 9, 640.	1.6	38
26	The Role of Vernacular Construction Techniques and Materials for Developing Zero-Energy Homes in Various Desert Climates. <i>Buildings</i> , 2017, 7, 17.	1.4	28
27	Energy and Economic Evaluation of Green Roofs for Residential Buildings in Hot-Humid Climates. <i>Buildings</i> , 2017, 7, 30.	1.4	65
28	Rooftop PV Potential in the Residential Sector of the Kingdom of Saudi Arabia. <i>Buildings</i> , 2017, 7, 46.	1.4	73
29	Life Cycle Assessment of a Three-Bedroom House in Saudi Arabia. <i>Environments - MDPI</i> , 2017, 4, 52.	1.5	30
30	Fundamentals and Application of Solar Thermal Technologies. , 2017, , 27-36.		5
31	Building related PV systems in GCC countries: A SWOT analysis. , 2017, , .		3
32	Case Study of a Nearly Zero Energy Building in Italian Climatic Conditions. <i>Infrastructures</i> , 2017, 2, 19.	1.4	21
33	Urban Scale Application of Solar PV to Improve Sustainability in the Building and the Energy Sectors of KSA. <i>Sustainability</i> , 2016, 8, 1127.	1.6	42
34	Growth and sustainability trends in the buildings sector in the GCC region with particular reference to the KSA and UAE. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 1267-1273.	8.2	128
35	An Exploratory of Residentsâ€™ Views Towards Applying Renewable Energy Systems in Saudi Dwellings. <i>Energy Procedia</i> , 2015, 75, 1341-1347.	1.8	25
36	Climatic Classifications of Saudi Arabia for Building Energy Modelling. <i>Energy Procedia</i> , 2015, 75, 1425-1430.	1.8	40

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37	Progress of solar photovoltaic in ASEAN countries: A review. Renewable and Sustainable Energy Reviews, 2015, 48, 399-412.	8.2	86
38	Analysis of critical climate related factors for the application of zero-energy homes in Saudi Arabia. Renewable and Sustainable Energy Reviews, 2015, 41, 1395-1403.	8.2	59
39	Trends in Residential Energy Consumption in Saudi Arabia with Particular Reference to the Eastern Province. Journal of Sustainable Development of Energy, Water and Environment Systems, 2014, 2, 376-387.	0.9	60
40	Saudi Building Industry's Views on Sustainability in Buildings: Questionnaire Survey. Energy Procedia, 2014, 62, 382-390.	1.8	23
41	Briefing: Sustainability assessment of super-insulated timber windows. Proceedings of Institution of Civil Engineers: Construction Materials, 2014, 167, 3-7.	0.7	3
42	Solar Water Heating: Domestic and Industrial Applications. , 2014, , 1768-1775.		0
43	Prospects of Renewable Energy to Promote Zero-Energy Residential Buildings in the KSA. Energy Procedia, 2012, 18, 1096-1105.	1.8	63
44	Salient features of the Grameen Shakti renewable energy program. Renewable and Sustainable Energy Reviews, 2011, 15, 5063-5067.	8.2	34
45	Possible Us-Iran Military Conflict and Its Implications upon Global Sustainable Development. Journal of Sustainable Development, 2009, 2, .	0.1	1
46	Sustainability of timber, wood and bamboo in construction. , 2009, , 31-54.		31
47	Analysis and inter-comparison of energy yield of wind turbines in Pakistan using detailed hourly and per minute recorded data sets. Energy Conversion and Management, 2009, 50, 2340-2350.	4.4	20
48	Solar assisted, pre-cooled hybrid desiccant cooling system for Pakistan. Renewable Energy, 2009, 34, 151-157.	4.3	70
49	Sustainable energy options for Pakistan. Renewable and Sustainable Energy Reviews, 2009, 13, 903-909.	8.2	195
50	Security assessment of importing solar electricity for the EU. Journal of the Energy Institute, 2009, 82, 102-105.	2.7	3
51	Prospects for solar water heating within Turkish textile industry. Renewable and Sustainable Energy Reviews, 2008, 12, 807-823.	8.2	32
52	Comparison of aluminium and stainless steel built-in-storage solar water heater. Building Services Engineering Research and Technology, 2007, 28, 337-346.	0.9	11
53	Life cycle assessment: A case study of a dwelling home in Scotland. Building and Environment, 2007, 42, 1391-1394.	3.0	345
54	Prospects for secure and sustainable electricity supply for Pakistan. Renewable and Sustainable Energy Reviews, 2007, 11, 654-671.	8.2	74

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55	Energy supply, its demand and security issues for developed and emerging economies. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 1388-1413.	8.2	941
56	Prospects of solar water heating for textile industry in Pakistan. <i>Renewable and Sustainable Energy Reviews</i> , 2006, 10, 1-23.	8.2	97
57	Sustainable production of solar electricity with particular reference to the Indian economy. <i>Renewable and Sustainable Energy Reviews</i> , 2005, 9, 444-473.	8.2	171
58	A value engineering analysis of timber windows. <i>Building Services Engineering Research and Technology</i> , 2005, 26, 145-155.	0.9	17
59	An Efficient Method for Assessing the Quality of Large Solar Irradiance Datasets. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2005, 127, 150-152.	1.1	11
60	Generation and transmission prospects for solar electricity: UK and global markets. <i>Energy Conversion and Management</i> , 2003, 44, 35-52.	4.4	43