

# Farouk Fardoun

## List of Publications by Year in descending order

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32  
papers

2,130  
citations

346980

22  
h-index

536525

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2506  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on energy piles design, evaluation, and optimization. Journal of Cleaner Production, 2021, 292, 125802.	4.6	35
2	Investigation of exhaust gas heat recovery unit for diesel power generator. MATEC Web of Conferences, 2019, 281, 03008.	0.1	1
3	Optimal design of renewable energy solution sets for net zero energy buildings. Energy, 2019, 179, 1155-1175.	4.5	82
4	Energy performance and economic analysis of a TIM-PCM wall under different climates. Energy, 2019, 169, 1274-1291.	4.5	74
5	Thermal behavior of a translucent superinsulated latent heat energy storage wall in summertime. Applied Energy, 2018, 217, 390-408.	5.1	45
6	Improved Model for Calculating Instantaneous Efficiency of Flat-Plate Solar Thermal Collector. Journal of Heat Transfer, 2018, 140, .	1.2	2
7	Multi-objective optimization methodology for net zero energy buildings. Journal of Building Engineering, 2018, 16, 57-71.	1.6	145
8	Melting of a phase change material in presence of natural convection and radiation: A simplified model. Applied Thermal Engineering, 2018, 130, 660-671.	3.0	39
9	Passive design optimization of low energy buildings in different climates. Energy, 2018, 165, 591-613.	4.5	160
10	Optimization approaches and climates investigations in NZEB "A review. Building Simulation, 2018, 11, 923-952.	3.0	53
11	Selection based on differences between cogeneration and trigeneration in various prime mover technologies. Renewable and Sustainable Energy Reviews, 2017, 74, 491-511.	8.2	62
12	4-E based optimal management of a SOFC-CCHP system model for residential applications. Energy Conversion and Management, 2017, 151, 607-629.	4.4	55
13	Multi-objective decision making optimization of a residential net zero energy building in cold climate. , 2017, , .		1
14	Energy performance evaluation of geothermal boreholes. , 2017, , .		1
15	Review of tri-generation technologies: Design evaluation, optimization, decision-making, and selection approach. Energy Conversion and Management, 2016, 120, 157-196.	4.4	208
16	Phase change materials (PCM) for cooling applications in buildings: A review. Energy and Buildings, 2016, 129, 396-431.	3.1	559
17	Optimization of design parameters of a net zero energy home. , 2016, , .		5
18	Hybrid cooling systems: A review and an optimized selection scheme. Renewable and Sustainable Energy Reviews, 2016, 65, 57-80.	8.2	52

#	ARTICLE	IF	CITATIONS
19	Recovery Storage Tank Size: An Optimization Approach for Tri-generation Systems on Diesel Power Generators. <i>Energy Procedia</i> , 2015, 74, 788-798.	1.8	12
20	Optimal management proposal for hybrid water heating system. <i>Energy and Buildings</i> , 2014, 75, 342-357.	3.1	18
21	Air source heat pump water heater: Dynamic modeling, optimal energy management and mini-tubes condensers. <i>Energy</i> , 2014, 64, 1102-1116.	4.5	68
22	Review of water-heating systems: General selection approach based on energy and environmental aspects. <i>Building and Environment</i> , 2014, 72, 259-286.	3.0	96
23	Multi-variable optimization for future electricity-plan scenarios in Lebanon. <i>Energy Policy</i> , 2013, 58, 49-56.	4.2	12
24	Energy status in Lebanon and electricity generation reform plan based on cost and pollution optimization. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 20, 255-278.	8.2	36
25	Improved analytical model to predict the effective elastic properties of 2.5D interlock woven fabrics composite. <i>Composite Structures</i> , 2012, 94, 3009-3028.	3.1	82
26	Electricity of Lebanon: Problems and Recommendations. <i>Energy Procedia</i> , 2012, 19, 310-320.	1.8	37
27	Fatigue Behavior of $\hat{\sigma}/\hat{\sigma}^2$ Brass. <i>Advanced Materials Research</i> , 2011, 324, 185-188.	0.3	0
28	Quasi-Steady State Modeling of an Air Source Heat Pump Water Heater. <i>Energy Procedia</i> , 2011, 6, 325-330.	1.8	18
29	Analysis of the hysteresis loop in stainless steels I. Austenitic and ferritic steels. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 297, 144-153.	2.6	47
30	Analysis of the hysteresis loop in stainless steels II. Austenitic-ferritic duplex steel and the effect of nitrogen. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 297, 154-161.	2.6	30
31	Effective and internal stresses in cyclic straining of 316 stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996, 215, 104-112.	2.6	37
32	Evaluation of Longitudinal and Transversal Young's Moduli for Unidirectional Composite Material with Long Fibers. <i>Advanced Materials Research</i> , 0, 324, 189-192.	0.3	5