Ali Hainoun

List of Publications by Year
in descending order

30 papers	486 citations	687335 13 h-index	713444 21 g-index
30 all docs	30 docs citations	30 times ranked	297 citing authors

#	Article	IF	Citations
1	Modelling of void formation in the subcooled boiling regime in the athlet code to simulate flow instability for research reactors. Nuclear Engineering and Design, 1996, 167, 175-191.	1.7	79
2	Formulating an optimal long-term energy supply strategy for Syria using MESSAGE model. Energy Policy, 2010, 38, 1701-1714.	8.8	62
3	Estimating the health damage costs of syrian electricity generation system using impact pathway approach. Energy, 2010, 35, 628-638.	8.8	42
4	Analysis of the Syrian long-term energy and electricity demand projection using the end-use methodology. Energy Policy, 2006, 34, 1958-1970.	8.8	33
5	International benchmark study of advanced thermal hydraulic safety analysis codes against measurements on IEA-R1 research reactor. Nuclear Engineering and Design, 2014, 280, 233-250.	1.7	25
6	Construction of the hourly load curves and detecting the annual peak load of future Syrian electric power demand using bottom-up approach. International Journal of Electrical Power and Energy Systems, 2009, 31, 1-12.	5.5	24
7	Thermal hydraulic analysis of Syrian MNSR research reactor using RELAP5/Mod3.2 code. Annals of Nuclear Energy, 2010, 37, 572-581.	1.8	22
8	Determination of neutron generation time in miniature neutron source reactor by measurement of neutronics transfer function. Nuclear Engineering and Design, 2000, 195, 299-305.	1.7	19
9	A review of spatio-temporal urban energy system modeling for urban decarbonization strategy formulation. Renewable and Sustainable Energy Reviews, 2022, 162, 112426.	16.4	19
10	Full-scale modelling of the MNSR reactor to simulate normal operation, transients and reactivity insertion accidents under natural circulation conditions using the thermal hydraulic code ATHLET. Nuclear Engineering and Design, 2005, 235, 33-52.	1.7	18
11	Simulation of subcooled flow instability for high flux research reactors using the extended code ATHLET. Nuclear Engineering and Design, 2001, 207, 163-180.	1.7	16
12	Safety analysis of the IAEA reference research reactor during loss of flow accident using the code MERSAT. Nuclear Engineering and Design, 2010, 240, 1132-1138.	1.7	15
13	Analysis and Evaluation of the Feasibility of Positive Energy Districts in Selected Urban Typologies in Vienna Using a Bottom-Up District Energy Modelling Approach. Energies, 2021, 14, 4449.	3.1	15
14	Determination of major kinetic parameters of the Syrian MNSR for different fuel loading using Monte Carlo technique. Annals of Nuclear Energy, 2009, 36, 1663-1667.	1.8	13
15	Simulation of LOFA and RIA for the IEA-R1 research reactor using the code MERSAT. Annals of Nuclear Energy, 2008, 35, 2093-2104.	1.8	11
16	A comparative assessment of independent thermal-hydraulic models for research reactors: The RSG-GAS case. Nuclear Engineering and Design, 2014, 268, 77-86.	1.7	9
17	Analysis of MNSR core composition changes using the codes WIMSD-4 and CITATION. Applied Radiation and Isotopes, 2008, 66, 1492-1500.	1.5	8
18	Core conversion analyses of the Syrian MNSR reactor from HEU to LEU and MEU fuel with homogeneously mixed burnable poisons. Applied Radiation and Isotopes, 2009, 67, 1919-1924.	1.5	8

#	Article	IF	Citations
19	Smarter Together: Progressing Smart Data Platforms in Lyon, Munich, and Vienna. Energies, 2021, 14, 1075.	3.1	8
20	Safety analysis of the reference research reactor MTR during reactivity insertion accident using the code MERSAT. Annals of Nuclear Energy, 2010, 37, 853-860.	1.8	7
21	Techno-economic optimisation of long-term energy supply strategy of Vienna city. Energy Policy, 2021, 158, 112554.	8.8	7
22	Conceptual design modifications of the cooling system of MNSR reactor to increase its maximum continuous operation time. Nuclear Engineering and Design, 2007, 237, 2275-2281.	1.7	5
23	Dynamic analysis of the closed-loop transfer function in the miniature neutron source reactor (MNSR). Nuclear Engineering and Design, 2004, 232, 19-28.	1.7	4
24	Future development of Syrian power sector in view of GHG mitigation options. Renewable and Sustainable Energy Reviews, 2014, 38, 1045-1055.	16.4	4
25	Measurement of the Syrian MNSR delayed neutron fraction and neutron generation time by noise analysis. Annals of Nuclear Energy, 2004, 31, 331-341.	1.8	3
26	Modification and validation of the natural heat convection and subcooled void formation models in the code PARET. Annals of Nuclear Energy, 2008, 35, 395-403.	1.8	3
27	Thermal hydraulic and safety analysis for core conversion (HEUâ€“LEU) of Syrian Miniature Neutron Source Reactor. Progress in Nuclear Energy, 2012, 60, 140-145.	2.9	3
28	Comparative safety assessment of HEU and LEU core of MNSR under large reactivity insertion accidents. Annals of Nuclear Energy, 2014, 63, 624-632.	1.8	2
29	Long-term expansion planning for the Syrian electric system using the optimisation model WASP-IV. International Journal of Global Energy Issues, 2015, 38, 164.	0.4	2
30	Simulation of subcooled flow instability for high flux research reactors with ATHLET. Kerntechnik, 2022, 66, 214-216.	0.2	0