

Paulo Smith Schneider

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

625
citations

687363

13
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	New correlations for the weighted-sum-of-gray-gases model in oxy-fuel conditions based on HITEMP 2010 database. International Journal of Heat and Mass Transfer, 2012, 55, 7419-7433.	4.8	123
2	Existing and new arrangements of pumped-hydro storage plants. Renewable and Sustainable Energy Reviews, 2020, 129, 109914.	16.4	80
3	Performance evaluation of diamond nanolubricants applied to a refrigeration system. International Journal of Refrigeration, 2019, 100, 104-112.	3.4	52
4	Constructal design of I-shaped high conductive pathway for cooling a heat-generating medium considering the thermal contact resistance. International Journal of Heat and Mass Transfer, 2016, 93, 770-777.	4.8	43
5	Multi-objective optimization as a new approach to illumination design of interior spaces. Building and Environment, 2011, 46, 331-338.	6.9	42
6	Flowfields on feed and permeate sides of tubular molecular sieving silica (MSS) membranes. Journal of Membrane Science, 2007, 299, 229-235.	8.2	41
7	Geometrical evaluation of T-shaped high conductive pathway with thermal contact resistance for cooling of heat-generating medium. International Journal of Heat and Mass Transfer, 2017, 108, 1884-1893.	4.8	27
8	Energy audit model based on a performance evaluation system. Energy, 2018, 154, 544-552.	8.8	24
9	Performance analysis of a CCGT power plant integrated to a LNG regasification process. Journal of Natural Gas Science and Engineering, 2015, 23, 112-117.	4.4	20
10	Management Challenges and Opportunities for Energy Cloud Development and Diffusion. Energies, 2020, 13, 4048.	3.1	19
11	Consolidated experimental heat and mass transfer database for a reduced scale evaporative condenser. International Journal of Refrigeration, 2016, 66, 21-31.	3.4	16
12	A reactor network model for predicting NOx emissions in an industrial natural gas burner. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2013, 35, 199-206.	1.6	15
13	Inverse design of thermal systems with spectrally dependent emissivities. International Journal of Heat and Mass Transfer, 2010, 53, 931-939.	4.8	14
14	A comparison of experimental results of soot production in laminar premixed flames. Open Engineering, 2015, 5, .	1.6	14
15	Simulation of a thermal power plant with district heating: Comparative results of 5 different codes. Energy, 2006, 31, 1955-1968.	8.8	13
16	Application of inverse analysis to illumination design. Inverse Problems in Science and Engineering, 2009, 17, 737-753.	1.2	13
17	Energy and emission impacts of liquid fueled engines compared to electric motors for small size motorcycles based on the Brazilian scenario. Energy, 2019, 168, 70-79.	8.8	13
18	Reprint of: Performance analysis of a CCGT power plant integrated to a LNG regasification process. Journal of Natural Gas Science and Engineering, 2015, 27, 18-22.	4.4	12

#	ARTICLE	IF	CITATIONS
19	Brazilian cold chain panorama. International Journal of Refrigeration, 2018, 90, 145-155.	3.4	11
20	Data driven assessment of a small scale evaporative condenser based on a combined artificial neural network with design of experiment approach. International Journal of Refrigeration, 2020, 115, 139-147.	3.4	6
21	Fourier transform method for sensitivity analysis in coal fired power plant. Energy Conversion and Management, 2007, 48, 2699-2707.	9.2	5
22	Proposal for a new layer for energy cloud management: The regulatory layer. International Journal of Energy Research, 2021, 45, 9780-9799.	4.5	5
23	Strategies for solving the air flowâ€™Thermal problem in multiroom buildings. Building and Environment, 1995, 30, 277-286.	6.9	4
24	Energetics for gas separation in microporous membranes. International Journal of Nanotechnology, 2007, 4, 468.	0.2	3
25	Accuracy of lumped element model for cyclic sensible thermal energy storage systems. Journal of Energy Storage, 2020, 28, 101277.	8.1	3
26	Experimental Assessment of Heat Transfer Correlations for a Small-Scale Evaporative Condenser. Heat Transfer Engineering, 2013, 34, 532-540.	1.9	2
27	Plugin energy penalty model and gypsum production for flue gas desulfurization prediction. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	2
28	Optimization of a Sensible Thermal Storage System by a Lumped Approach. Defect and Diffusion Forum, 0, 366, 182-191.	0.4	1
29	Study of the Energy Efficiency and Greenhouse Emissions from Motorcycles Powered by Electric and Internal Combustion Engines. , 0, , .		1
30	Inverse design methodology to optimize sensible thermal energy storage systems working as rectifiers. International Journal of Energy Research, 2019, 43, 6442-6453.	4.5	1
31	Evaluation of Air – Water Flow in an Evaporative Condenser. , 2009, , .		0
32	Guidance on choosing a measuring instrument for indoor particle pollution studies. Environmental Monitoring and Assessment, 2012, 184, 4591-4596.	2.7	0
33	Experiments on Inverse Method to Illumination by Optimization Technique <i>IMlbyOPTIM</i> with Fixed Light Source Power. Defect and Diffusion Forum, 2014, 348, 216-225.	0.4	0
34	Transient modeling of a biomass steam generator focusing its hybridization with CSP. AIP Conference Proceedings, 2018, , .	0.4	0
35	COMBUSTION PERFORMANCE FOR COFIRING ASSESSMENT OF RESIDUAL BIOMASSES: EUCALYPTUS (SAWDUST), BOCAIÃŠVA (SHELL) AND CRAMBE (BAGASSE). JP Journal of Heat and Mass Transfer, 2016, 13, 465-484.	0.2	0