

Valerie Eveloy

List of Publications by Year in descending order

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76
papers

1,403
citations

331259

21
h-index

360668

35
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76
all docs

76
docs citations

76
times ranked

1355
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional Oil Prospects and Challenges in the Covid-19 Era. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	1
2	Editorial: Advances in Power-to-X: Processes, Systems, and Deployment. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	3
3	Thermodynamic Performance Investigation of a Small-Scale Solar Compression-Assisted Multi-Ejector Indoor Air Conditioning System for Hot Climate Conditions. <i>Energies</i> , 2021, 14, 4325.	1.6	7
4	CO2 Recycling in the Iron and Steel Industry via Power-to-Gas and Oxy-Fuel Combustion. <i>Energies</i> , 2021, 14, 7090.	1.6	18
5	Discussion on A high-resolution bilevel skew-t stochastic generator for assessing Saudi Arabia's wind energy resources. <i>Environmetrics</i> , 2020, 31, e2651.	0.6	1
6	Integration of Municipal Air-Conditioning, Power, and Gas Supplies Using an LNG Cold Exergy-Assisted Kalina Cycle System. <i>Energies</i> , 2020, 13, 4599.	1.6	8
7	Sustainable multi-generation of district cooling, electricity, and regasified LNG for cooling-dominated regions. <i>Sustainable Cities and Society</i> , 2020, 60, 102219.	5.1	20
8	Energy, exergy and exergoeconomic analysis of an ultra low-grade heat-driven ammonia-water combined absorption power-cooling cycle for district space cooling, sub-zero refrigeration, power and LNG regasification. <i>Energy Conversion and Management</i> , 2020, 213, 112790.	4.4	46
9	Sustainable and cost-efficient energy supply and utilisation through innovative concepts and technologies at regional, urban and single-user scales. <i>Energy</i> , 2019, 182, 254-268.	4.5	40
10	Hybridization of solid oxide electrolysis-based power-to-methane with oxyfuel combustion and carbon dioxide utilization for energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 108, 550-571.	8.2	38
11	Sustainable District Cooling Systems: Status, Challenges, and Future Opportunities, with Emphasis on Cooling-Dominated Regions. <i>Energies</i> , 2019, 12, 235.	1.6	73
12	Excess electricity and power-to-gas storage potential in the future renewable-based power generation sector in the United Arab Emirates. <i>Energy</i> , 2019, 166, 426-450.	4.5	30
13	A Review of Projected Power-to-Gas Deployment Scenarios. <i>Energies</i> , 2018, 11, 1824.	1.6	87
14	Polymeric Composite Heat Exchangers for Hydrocarbon Processing. , 2018, , .		0
15	Multi-objective optimization of a pressurized solid oxide fuel cell-gas turbine hybrid system integrated with seawater reverse osmosis. <i>Energy</i> , 2017, 123, 594-614.	4.5	31
16	Mechanical and Heat Transfer Performance Investigation of High Thermal Conductivity, Commercially Available Polymer Composite Materials for Heat Exchange in Electronic Systems. <i>Journal of Thermal Science and Engineering Applications</i> , 2017, 9, .	0.8	5
17	Characterization of thermal conductivity in polymer composite heat exchanger parts. , 2017, , .		0
18	Techno-economic-environmental optimization of a solid oxide fuel cell-gas turbine hybrid coupled with small-scale membrane desalination. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 15828-15850.	3.8	21

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19	Integration of an atmospheric solid oxide fuel cell - gas turbine system with reverse osmosis for distributed seawater desalination in a process facility. Energy Conversion and Management, 2016, 126, 944-959.	4.4	32
20	Thermal and mechanical performance assessment of two commercially-available PA66 polymer composite materials for microelectronics heat exchanger applications. , 2016, , .		2
21	Performance investigation of a power, heating and seawater desalination poly-generation scheme in an off-shore oil field. Energy, 2016, 98, 26-39.	4.5	19
22	Energy, exergy and economic analysis of an integrated solid oxide fuel cell “ gas turbine “ organic Rankine power generation system. International Journal of Hydrogen Energy, 2016, 41, 13843-13858.	3.8	152
23	Performance investigation of thermally enhanced polymer composite materials for microelectronics cooling. Microelectronics Journal, 2015, 46, 1216-1224.	1.1	7
24	Thermal management of solar photovoltaics modules for enhanced power generation. Renewable Energy, 2015, 82, 14-20.	4.3	14
25	Optimization of a Solid Oxide Fuel Cell and Gas Turbine Hybrid System. , 2015, , .		1
26	Experimental characterization of thermally enhanced polymer composite heat exchangers. , 2015, , .		6
27	Hybrid gas turbine“organic Rankine cycle for seawater desalination by reverse osmosis in a hydrocarbon production facility. Energy Conversion and Management, 2015, 106, 1134-1148.	4.4	40
28	Candidate thermally enhanced polymer composite materials for cooling of electronic systems. , 2014, , .		2
29	Trigeneration scheme for a natural gas liquids extraction plant in the Middle East. Energy Conversion and Management, 2014, 78, 204-218.	4.4	25
30	Enhancement of flat-type solar photovoltaics power generation in harsh environmental conditions. , 2014, , .		1
31	Power generation and cooling capacity enhancement of natural gas processing facilities in harsh environmental conditions through waste heat utilization. International Journal of Energy Research, 2014, 38, 1921-1936.	2.2	4
32	Thermal Management of Solar Photovoltaics Modules for Enhanced Power Generation. Springer Proceedings in Energy, 2014, , 479-490.	0.2	1
33	An integrated thermal management solution for flat-type solar photovoltaic modules. , 2013, , .		7
34	Air cooled heat sink design optimization in free convection. , 2013, , .		3
35	Gas turbine efficiency enhancement using waste heat powered absorption chillers in the oil and gas industry. Applied Thermal Engineering, 2013, 50, 918-931.	3.0	95
36	Enhancement of photovoltaic solar module performance for power generation in the Middle East. , 2012, , .		16

#	ARTICLE	IF	CITATIONS
37	Experimental assessment of flat-type photovoltaic module thermal behavior. , 2012, , .		10
38	Sources and Potential Utilization of Waste Heat at a Natural Gas Processing Facility in the Middle East. , 2012, , .		1
39	Teaching of Extended Surface Heat Transfer Through Laboratory Experiments. , 2012, , .		0
40	Enhancing the Performance of Photovoltaic Solar Modules by Active Thermal Management. , 2012, , .		1
41	Enhancement of LNG plant propane cycle through waste heat powered absorption cooling. Applied Thermal Engineering, 2012, 48, 41-53.	3.0	29
42	Numerical analysis of an internal methane reforming solid oxide fuel cell with fuel recycling. Applied Energy, 2012, 93, 107-115.	5.1	28
43	Trigeneration scheme for energy efficiency enhancement in a natural gas processing plant through turbine exhaust gas waste heat utilization. Applied Energy, 2012, 93, 624-636.	5.1	67
44	Boosting Energy Efficiency Using Waste-Heat-Powered Absorption Chillers. SPE Projects, Facilities and Construction, 2011, 6, 232-238.	0.2	1
45	Anode Fuel and Steam Recycling for Internal Methane Reforming SOFCs: Analysis of Carbon Deposition. Journal of Fuel Cell Science and Technology, 2011, 8, .	0.8	4
46	Teaching of Beam Deflection Analysis Through Laboratory Experiments. , 2011, , .		0
47	Opportunities for Energy Efficiency Enhancements in the Oil and Gas Industry using Waste Heat Powered Absorption Chillers. , 2010, , .		1
48	Are current turbulence modeling practices addressing industry's needs for electronics thermal design?. , 2010, , .		0
49	Teaching of Multimode Heat Transfer Through Laboratory Experiments. , 2010, , .		0
50	Anode Gas and Steam Recycling for Internal Methane Reforming SOFCs: Analysis of Carbon Deposition. , 2009, , .		0
51	Ten years of thermal analysis at EuroSimE - What's next?. , 2009, , .		0
52	Innovative Thermofluids Experiments for Modern Mechanical Engineering Education. , 2009, , .		0
53	An experimental and numerical investigation of tube bank heat exchanger thermofluids. , 2008, , .		4
54	Numerical Investigation of the Effect of Fuel Recycling on the Susceptibility of a Direct Internal Methane Reforming SOFC to Carbon Deposition. , 2008, , .		3

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55	The Effect of Electrostatic Discharge on Electrical Overstress Susceptibility in a Gallium Arsenide MESFET-Based Device. IEEE Transactions on Device and Materials Reliability, 2007, 7, 200-208.	1.5	9
56	Environment and Usage Monitoring of Electronic Products for Health Assessment and Product Design. Quality Technology and Quantitative Management, 2007, 4, 235-250.	1.1	43
57	Guidelines for Implementing Lead-free Electronics. , 2006, , 725-758.		0
58	Developments in Ambulatory Electrocardiography. Biomedical Instrumentation and Technology, 2006, 40, 238-245.	0.2	6
59	Numerical Heat Transfer Predictive Accuracy for an In-Line Array of Board-Mounted Plastic Quad Flat Back Components in Free Convection. Journal of Electronic Packaging, Transactions of the ASME, 2005, 127, 245-254.	1.2	5
60	An Investigation Into the Potential of Low-Reynolds Number Eddy Viscosity Turbulent Flow Models to Predict Electronic Component Operational Temperature. Journal of Electronic Packaging, Transactions of the ASME, 2005, 127, 67-75.	1.2	6
61	Prediction of electronic component-board transient conjugate heat transfer. IEEE Transactions on Components and Packaging Technologies, 2005, 28, 817-829.	1.4	11
62	Are you ready for lead-free electronics?. IEEE Transactions on Components and Packaging Technologies, 2005, 28, 884-894.	1.4	37
63	In Situ Temperature Measurement of a Notebook Computerâ€™A Case Study in Health and Usage Monitoring of Electronics. IEEE Transactions on Device and Materials Reliability, 2004, 4, 658-663.	1.5	67
64	Application of numerical analysis to the optimisation of electronic component reliability screening and assembly processes. Journal of Materials Processing Technology, 2004, 155-156, 1788-1796.	3.1	10
65	Numerical Prediction of Electronic Component Operational Temperature: A Perspective. IEEE Transactions on Components and Packaging Technologies, 2004, 27, 268-282.	1.4	24
66	Reliability of Pressure-Sensitive Adhesive Tapes for Heat Sink Attachment in Air-Cooled Electronic Assemblies. IEEE Transactions on Device and Materials Reliability, 2004, 4, 650-657.	1.5	12
67	An Experimental Assessment of Numerical Predictive Accuracy for Electronic Component Heat Transfer in Forced Convectionâ€™Part I: Experimental Methods and Numerical Modeling. Journal of Electronic Packaging, Transactions of the ASME, 2003, 125, 67-75.	1.2	37
68	An Experimental Assessment of Numerical Predictive Accuracy for Electronic Component Heat Transfer in Forced Convectionâ€™Part II: Results and Discussion. Journal of Electronic Packaging, Transactions of the ASME, 2003, 125, 76-83.	1.2	19
69	A benchmark study of computational fluid dynamics predictive accuracy for component-printed circuit board heat transfer. IEEE Transactions on Components and Packaging Technologies, 2000, 23, 568-577.	1.4	45
70	Validation and application of different experimental techniques to measure electronic component operating junction temperature. IEEE Transactions on Components and Packaging Technologies, 1999, 22, 252-258.	1.4	16
71	Comparison of numerical predictions and experimental measurements for the transient thermal behavior of a board-mounted electronic component. , 0, , .		6
72	Visualization of forced air flows over a populated printed circuit board and their impact on convective heat transfer. , 0, , .		10

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73	Room temperature soldering of microelectronic components for enhanced thermal performance. , 0, , .		12
74	Extending the limits of air-cooling in microelectronic equipment. , 0, , .		8
75	WEEE, RoHS, and what you must do to get ready for lead-free electronics. , 0, , .		9
76	Thermal Performance and Reliability of Thermal Interface Materials: A Review. , 0, , .		6