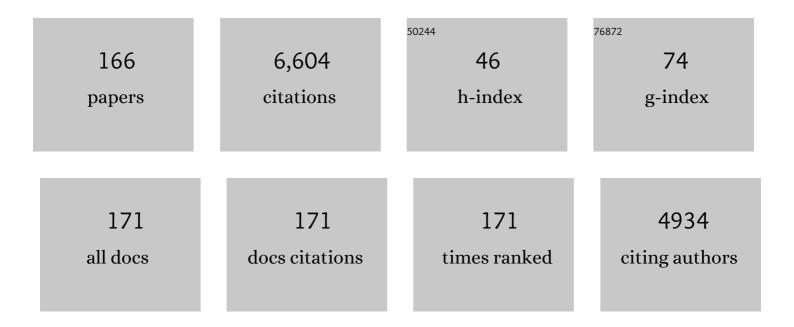
## $S\tilde{A}$ ren Knudsen K $\tilde{A}$ r

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Grate-firing of biomass for heat and power production. Progress in Energy and Combustion Science, 2008, 34, 725-754.	15.8	402
2	A comprehensive review of PBI-based high temperature PEM fuel cells. International Journal of Hydrogen Energy, 2016, 41, 21310-21344.	3.8	320
3	Energy management strategy based on short-term generation scheduling for a renewable microgrid using a hydrogen storage system. Energy Conversion and Management, 2014, 87, 820-831.	4.4	206
4	New Weighted Sum of Gray Gases Model Applicable to Computational Fluid Dynamics (CFD) Modeling of Oxyâ^'Fuel Combustion: Derivation, Validation, and Implementation. Energy & Fuels, 2010, 24, 6275-6282.	2.5	202
5	Performance comparison between partial oxidation and methane steam reforming processes for solid oxide fuel cell (SOFC) micro combined heat and power (CHP) system. Energy, 2011, 36, 4216-4226.	4.5	153
6	High temperature PEM fuel cell performance characterisation with CO and CO2 using electrochemical impedance spectroscopy. International Journal of Hydrogen Energy, 2011, 36, 9815-9830.	3.8	131
7	Mathematical Modeling and Experimental Study of Biomass Combustion in a Thermal 108 MW Grate-Fired Boiler. Energy & Fuels, 2008, 22, 1380-1390.	2.5	130
8	Experimental characterization and modeling of commercial polybenzimidazole-based MEA performance. Journal of Power Sources, 2006, 162, 239-245.	4.0	128
9	Modelling the motion of cylindrical particles in a nonuniform flow. Chemical Engineering Science, 2003, 58, 3489-3498.	1.9	126
10	A Review of The Methanol Economy: The Fuel Cell Route. Energies, 2020, 13, 596.	1.6	123
11	Thermal modeling and temperature control of a PEM fuel cell system for forklift applications. International Journal of Hydrogen Energy, 2014, 39, 8410-8420.	3.8	120
12	On the complex ageing characteristics of high-power LiFePO4/graphite battery cells cycled with high charge and discharge currents. Journal of Power Sources, 2015, 286, 475-487.	4.0	114
13	Chemistry and radiation in oxy-fuel combustion: A computational fluid dynamics modeling study. Fuel, 2011, 90, 2519-2529.	3.4	106
14	Numerical modelling of a straw-fired grate boiler. Fuel, 2004, 83, 1183-1190.	3.4	103
15	Use of numerical modeling in design for co-firing biomass in wall-fired burners. Chemical Engineering Science, 2004, 59, 3281-3292.	1.9	92
16	Electrochemical characterization of a polybenzimidazole-based high temperature proton exchange membrane unit cell. Journal of Power Sources, 2009, 191, 289-296.	4.0	92
17	The disordering-enhanced performances of the Al-MOF/graphene composite anodes for lithium ion batteries. Nano Energy, 2019, 65, 104032.	8.2	90
18	Degradation Behavior of Lithium-Ion Batteries During Calendar Ageing—The Case of the Internal Resistance Increase. IEEE Transactions on Industry Applications, 2018, 54, 517-525.	3.3	88

#	Article	IF	CITATIONS
19	Influence of the operation mode on PEM water electrolysis degradation. International Journal of Hydrogen Energy, 2019, 44, 29889-29898.	3.8	88
20	Modelling and evaluation of heating strategies for high temperature polymer electrolyte membrane fuel cell stacks. International Journal of Hydrogen Energy, 2008, 33, 4655-4664.	3.8	83
21	Modeling and off-design performance of a 1kWe HT-PEMFC (high temperature-proton exchange) Tj ETQq1 1 0.7 single-family households. Energy, 2011, 36, 993-1002.	84314 rgE 4.5	8T /Overlock 82
22	A numerical study of the gas-liquid, two-phase flow maldistribution in the anode of a high pressure PEM water electrolysis cell. International Journal of Hydrogen Energy, 2016, 41, 52-68.	3.8	82
23	Lifetime Estimation of the Nanophosphate \$hbox{LiFePO}_{4}hbox{/C}\$ Battery Chemistry Used in Fully Electric Vehicles. IEEE Transactions on Industry Applications, 2015, 51, 3453-3461.	3.3	81
24	An Electrical Equivalent Circuit Model of a Lithium Titanate Oxide Battery. Batteries, 2019, 5, 31.	2.1	81
25	Towards an Ultimate Battery Thermal Management System: A Review. Batteries, 2017, 3, 9.	2.1	79
26	Towards uniformly distributed heat, mass and charge: A flow field design study for high pressure and high current density operation of PEM electrolysis cells. Electrochimica Acta, 2019, 293, 476-495.	2.6	79
27	Co-firing straw with coal in a swirl-stabilized dual-feed burner: Modelling and experimental validation. Bioresource Technology, 2010, 101, 4169-4178.	4.8	78
28	Part one: A novel model of HTPEM-based micro-combined heat and power fuel cell system. International Journal of Hydrogen Energy, 2008, 33, 1909-1920.	3.8	72
29	Characterisation and Modelling of a High Temperature PEM Fuel Cell Stack using Electrochemical Impedance Spectroscopy. Fuel Cells, 2009, 9, 463-473.	1.5	72
30	Modeling and parametric study of a 1kWe HT-PEMFC-based residential micro-CHP system. International Journal of Hydrogen Energy, 2011, 36, 5010-5020.	3.8	72
31	Analysis of accelerated degradation of a HT-PEM fuel cell caused by cell reversal in fuel starvation condition. International Journal of Hydrogen Energy, 2015, 40, 2833-2839.	3.8	71
32	Generalized Characterization Methodology for Performance Modelling of Lithium-Ion Batteries. Batteries, 2016, 2, 37.	2.1	71
33	Experimental Study on Effects of Particle Shape and Operating Conditions on Combustion Characteristics of Single Biomass Particles. Energy & Fuels, 2013, 27, 507-514.	2.5	69
34	Towards a CFD-based mechanistic deposit formation model for straw-fired boilers. Fuel, 2006, 85, 833-848.	3.4	68
35	VOF modelling of gas–liquid flow in PEM water electrolysis cell micro-channels. International Journal of Hydrogen Energy, 2017, 42, 16333-16344.	3.8	68
36	Numerical model of a thermoelectric generator with compact plate-fin heat exchanger for high temperature PEM fuel cell exhaust heat recovery. International Journal of Hydrogen Energy, 2012, 37, 8490-8498.	3.8	65

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37	Modeling and experimental validation of water mass balance in a PEM fuel cell stack. International Journal of Hydrogen Energy, 2016, 41, 3079-3092.	3.8	64
38	Directly connected series coupled HTPEM fuel cell stacks to a Li-ion battery DC bus for a fuel cell electrical vehicle. International Journal of Hydrogen Energy, 2008, 33, 7137-7145.	3.8	62
39	Modeling and optimization of a 1ÂkWe HT-PEMFC-based micro-CHP residential system. International Journal of Hydrogen Energy, 2012, 37, 2470-2481.	3.8	58
40	Modelling and Experimental Analysis of a Polymer Electrolyte Membrane Water Electrolysis Cell at Different Operating Temperatures. Energies, 2018, 11, 3273.	1.6	56
41	Model-supported characterization of a PEM water electrolysis cell for the effect of compression. Electrochimica Acta, 2018, 263, 228-236.	2.6	54
42	A comparative study on three reactor types for methanol synthesis from syngas and CO2. Chemical Engineering Journal, 2020, 393, 124632.	6.6	54
43	Straw combustion on slow-moving grates?a comparison of model predictions with experimental data. Biomass and Bioenergy, 2005, 28, 307-320.	2.9	49
44	Control and experimental characterization of a methanol reformer for a 350ÂW high temperature polymer electrolyte membrane fuel cell system. International Journal of Hydrogen Energy, 2013, 38, 1676-1684.	3.8	49
45	Modeling and optimization of a heat-pump-assisted high temperature proton exchange membrane fuel cell micro-combined-heat-and-power system for residential applications. Applied Energy, 2015, 147, 569-581.	5.1	49
46	Part two: Control of a novel HTPEM-based micro combined heat and power fuel cell system. International Journal of Hydrogen Energy, 2008, 33, 1921-1931.	3.8	48
47	Impact of iron and hydrogen peroxide on membrane degradation for polymer electrolyte membrane water electrolysis: Computational and experimental investigation on fluoride emission. Journal of Power Sources, 2019, 420, 54-62.	4.0	48
48	System Modeling and Validation of a Thermoelectric Fluidic Power Source: Proton Exchange Membrane Fuel Cell and Thermoelectric Generator (PEMFC-TEG). Journal of Electronic Materials, 2010, 39, 1593-1600.	1.0	47
49	Analysis of the impact of heat-to-power ratio for a SOFC-based mCHP system for residential application under different climate regions in Europe. International Journal of Hydrogen Energy, 2011, 36, 13715-13726.	3.8	46
50	Experimental investigation of carbon monoxide poisoning effect on a PBI/H3PO4 high temperature polymer electrolyte membrane fuel cell: Influence of anode humidification and carbon dioxide. International Journal of Hydrogen Energy, 2015, 40, 14932-14941.	3.8	45
51	Fault detection and isolation of high temperature proton exchange membrane fuel cell stack under the influence of degradation. Journal of Power Sources, 2017, 359, 37-47.	4.0	44
52	Performance and endurance of a high temperature PEM fuel cell operated on methanol reformate. International Journal of Hydrogen Energy, 2014, 39, 18343-18350.	3.8	42
53	Investigating the effects of methanol-water vapor mixture on a PBI-based high temperature PEM fuel cell. International Journal of Hydrogen Energy, 2012, 37, 18231-18242.	3.8	41
54	Ejector design and performance evaluation for recirculation of anode gas in a micro combined heat and power systems based on solid oxide fuel cell. Applied Thermal Engineering, 2013, 54, 26-34.	3.0	41

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55	Experimental Characterization of the Poisoning Effects of Methanol-Based Reformate Impurities on a PBI-Based High Temperature PEM Fuel Cell. Energies, 2012, 5, 4251-4267.	1.6	40
56	A study of multi-phase flow through the cathode side of an interdigitated flow field using a multi-fluid model. Journal of Power Sources, 2010, 195, 4842-4852.	4.0	38
57	Thermodynamic analysis of steam reforming and oxidative steam reforming of propane and butane for hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 13009-13021.	3.8	38
58	Optimization of a thermoelectric generator subsystem for high temperature PEM fuel cell exhaust heat recovery. International Journal of Hydrogen Energy, 2014, 39, 6637-6645.	3.8	36
59	Experimental study to distinguish the effects of methanol slip and water vapour on a high temperature PEM fuel cell at different operating conditions. Applied Energy, 2017, 192, 422-436.	5.1	35
60	Thermodynamic Analyses of a Moderate-Temperature Process of Carbon Dioxide Hydrogenation to Methanol via Reverse Water–Gas Shift with In Situ Water Removal. Industrial & Engineering Chemistry Research, 2019, 58, 10559-10569.	1.8	35
61	Long-term contamination effect of iron ions on cell performance degradation of proton exchange membrane water electrolyser. Journal of Power Sources, 2019, 434, 226755.	4.0	35
62	Test of hybrid power system for electrical vehicles using a lithium-ion battery pack and a reformed methanol fuel cell range extender. International Journal of Hydrogen Energy, 2014, 39, 1856-1863.	3.8	34
63	Water balance simulations of a polymer-electrolyte membrane fuel cell using a two-fluid model. Journal of Power Sources, 2011, 196, 6305-6317.	4.0	32
64	Experimental study of cell reversal of a high temperature polymer electrolyte membrane fuel cell caused by H2 starvation. International Journal of Hydrogen Energy, 2015, 40, 6672-6680.	3.8	32
65	A Review of Different Electric Equivalent Circuit Models and Parameter Identification Methods of Lithium-Ion Batteries. ECS Transactions, 2018, 87, 23-37.	0.3	31
66	Fault Characterization of a Proton Exchange Membrane Fuel Cell Stack. Energies, 2019, 12, 152.	1.6	31
67	A Computational Analysis of Multiphase Flow Through PEMFC Cathode Porous Media Using the Multifluid Approach. Journal of the Electrochemical Society, 2009, 156, B1301.	1.3	30
68	Application of an improved operational strategy on a PBI fuel cell-based residential system for Danish single-family households. Applied Thermal Engineering, 2013, 50, 704-713.	3.0	30
69	Review of Parameter Determination for Thermal Modeling of Lithium Ion Batteries. Batteries, 2018, 4, 20.	2.1	30
70	Physical characterization of biomass fuels prepared for suspension firing in utility boilers for CFD modelling. Biomass and Bioenergy, 2007, 31, 318-325.	2.9	29
71	Quantification of in situ temperature measurements on a PBI-based high temperature PEMFC unit cell. International Journal of Hydrogen Energy, 2010, 35, 9943-9953.	3.8	29
72	Dynamic Model of the High Temperature Proton Exchange Membrane Fuel Cell Stack Temperature. Journal of Fuel Cell Science and Technology, 2009, 6, .	0.8	28

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73	Comprehensive Study of Ignition and Combustion of Single Wooden Particles. Energy & Fuels, 2013, 27, 1061-1072.	2.5	28
74	An EIS alternative for impedance measurement of a high temperature PEM fuel cell stack based on current pulse injection. International Journal of Hydrogen Energy, 2017, 42, 15851-15860.	3.8	28
75	Thin film thermocouples for in situ membrane electrode assembly temperature measurements in a polybenzimidazole-based high temperature proton exchange membrane unit cell. Journal of Power Sources, 2010, 195, 4835-4841.	4.0	27
76	A Transient Fuel Cell Model to Simulate HTPEM Fuel Cell Impedance Spectra. Journal of Fuel Cell Science and Technology, 2012, 9, .	0.8	25
77	Large-eddy simulations of the non-reactive flow in the Sydney swirl burner. International Journal of Heat and Fluid Flow, 2012, 36, 47-57.	1.1	25
78	System model development for a methanol reformed 5ÂkW high temperature PEM fuel cell system. International Journal of Hydrogen Energy, 2015, 40, 13080-13089.	3.8	25
79	In-situ experimental characterization of the clamping pressure effects on low temperature polymer electrolyte membrane electrolysis. International Journal of Hydrogen Energy, 2017, 42, 21597-21606.	3.8	25
80	Electrothermal impedance spectroscopy as a cost efficient method for determining thermal parameters of lithium ion batteries: Prospects, measurement methods and the state of knowledge. Journal of Cleaner Production, 2017, 155, 63-71.	4.6	25
81	Comparative study of the break in process of post doped and sol–gel high temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2014, 39, 14959-14968.	3.8	24
82	Impedance characterization of high temperature proton exchange membrane fuel cell stack under the influence of carbon monoxide and methanol vapor. International Journal of Hydrogen Energy, 2017, 42, 21901-21912.	3.8	24
83	Modeling and Design of a Multi-Tubular Packed-Bed Reactor for Methanol Steam Reforming over a Cu/ZnO/Al2O3 Catalyst. Energies, 2020, 13, 610.	1.6	24
84	Potential Usage of Thermoelectric Devices in a High-Temperature Polymer Electrolyte Membrane (PEM) Fuel Cell System: Two Case Studies. Journal of Electronic Materials, 2012, 41, 1838-1844.	1.0	23
85	Lithium-ion battery dynamic model for wide range of operating conditions. , 2017, , .		23
86	Flow and Pressure Distribution in Fuel Cell Manifolds. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	22
87	The effect of Fe3+ contamination in feed water on proton exchange membrane electrolyzer performance. International Journal of Hydrogen Energy, 2019, 44, 12952-12957.	3.8	22
88	A detailed pyrolysis model for a thermally large biomass particle. Fuel, 2020, 278, 118397.	3.4	22
89	Energy analysis and surrogate modeling for the green methanol production under dynamic operating conditions. Fuel, 2022, 307, 121924.	3.4	22
90	Towards a better understanding of biomass suspension co-firing impacts via investigating a coal flame and a biomass flame in a swirl-stabilized burner flow reactor under same conditions. Fuel Processing Technology, 2012, 98, 65-73.	3.7	21

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91	Performance Degradation Tests of Phosphoric Acid Doped Polybenzimidazole Membrane Based High Temperature Polymer Electrolyte Membrane Fuel Cells. Journal of Fuel Cell Science and Technology, 2015, 12, .	0.8	21
92	Particle Image Velocimetry and Computational Fluid Dynamics Analysis of Fuel Cell Manifold. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	20
93	400 W High Temperature PEM Fuel Cell Stack Test. ECS Transactions, 2007, 5, 197-207.	0.3	18
94	Influence of anodic gas recirculation on solid oxide fuel cells in a micro combined heat and power system. Sustainable Energy Technologies and Assessments, 2014, 8, 99-108.	1.7	18
95	Heat Loss Measurement of Lithium Titanate Oxide Batteries under Fast Charging Conditions by Employing Isothermal Calorimeter. Batteries, 2018, 4, 59.	2.1	17
96	Experimental and numerical study of flow in expanded metal plate for water electrolysis applications. Journal of Power Sources, 2018, 397, 334-342.	4.0	17
97	The effects of cationic impurities on the performance of proton exchange membrane water electrolyzer. Journal of Power Sources, 2020, 473, 228617.	4.0	17
98	Comparison of Reynolds averaged Navier-Stokes based simulation and large-eddy simulation for one isothermal swirling flow. Journal of Thermal Science, 2012, 21, 154-161.	0.9	16
99	From rotating disk electrode to single cell: Exploration of PtNi/C octahedral nanocrystal as practical proton exchange membrane fuel cell cathode catalyst. Journal of Power Sources, 2018, 406, 118-127.	4.0	16
100	Electrothermally balanced operation of solid oxide electrolysis cells. Journal of Power Sources, 2022, 523, 231040.	4.0	16
101	Thermal Management Optimization of a Thermoelectric-Integrated Methanol Evaporator Using a Compact CFD Modeling Approach. Journal of Electronic Materials, 2013, 42, 2035-2042.	1.0	15
102	The influence of phosphoric acid migration on the performance of high temperature polymer electrolyte fuel cells. Journal of Power Sources, 2018, 399, 151-156.	4.0	15
103	New load cycling strategy for enhanced durability of high temperature proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2017, 42, 27230-27240.	3.8	14
104	Influence of Battery Parametric Uncertainties on the State-of-Charge Estimation of Lithium Titanate Oxide-Based Batteries. Energies, 2018, 11, 795.	1.6	14
105	The role of effectiveness factor on the modeling of methanol steam reforming over CuO/ZnO/Al2O3 catalyst in a multi-tubular reactor. International Journal of Hydrogen Energy, 2022, 47, 8700-8715.	3.8	14
106	Two-dimensional thermal analysis of radial heat transfer of monoliths in small-scale steam methane reforming. International Journal of Hydrogen Energy, 2018, 43, 11952-11968.	3.8	13
107	Low stoichiometry operation of a proton exchange membrane fuel cell employing the interdigitated flow field – A modeling study. International Journal of Hydrogen Energy, 2012, 37, 8477-8489.	3.8	12
108	Optimization of a High Temperature PEMFC microâ€CHP System by Formulation and Application of a Process Integration Methodology. Fuel Cells, 2013, 13, 238-248.	1.5	12

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109	Study of Temperature Impacts on a Lithium-Ion Battery Thermal Behaviour by Employing Isothermal Calorimeter. ECS Transactions, 2018, 87, 295-305.	0.3	12
110	Hydrogen mass transport resistance changes in a high temperature polymer membrane fuel cell as a function of current density and acid doping. Electrochimica Acta, 2019, 317, 521-527.	2.6	12
111	The Effect of Inhomogeneous Compression on Water Transport in the Cathode of a Proton Exchange Membrane Fuel Cell. Journal of Fuel Cell Science and Technology, 2012, 9, .	0.8	11
112	Cooling Simulation and Thermal Abuse Modeling of Lithium-Ion Batteries Using the Newman, Tiedemann, Gu, and Kim (NTGK) Model. ECS Transactions, 2017, 81, 261-270.	0.3	11
113	Investigating different break-in procedures for reformed methanol high temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2018, 43, 14691-14700.	3.8	11
114	Effect of Current Rate and Prior Cycling on the Coulombic Efficiency of a Lithium-Ion Battery. Batteries, 2019, 5, 57.	2.1	11
115	A Thermodynamic Analysis of an Air-Cooled Proton Exchange Membrane Fuel Cell Operated in Different Climate Regions. Energies, 2020, 13, 2611.	1.6	11
116	Thermal Analysis of Cold Plate with Different Configurations for Thermal Management of a Lithium-Ion Battery. Batteries, 2020, 6, 17.	2.1	11
117	Investigating low and high load cycling tests as accelerated stress tests for proton exchange membrane water electrolysis. Electrochimica Acta, 2021, 370, 137748.	2.6	11
118	Estimating Important Electrode Parameters of High Temperature PEM Fuel Cells by Fitting a Model to Polarisation Curves and Impedance Spectra. ECS Transactions, 2015, 68, 13-34.	0.3	10
119	An Experimental Analysis of Entropic Coefficient of a Lithium Titanate Oxide Battery. Energies, 2019, 12, 2685.	1.6	10
120	Simulation of Thermal Behaviour of a Lithium Titanate Oxide Battery. Energies, 2019, 12, 679.	1.6	10
121	A detailed computational fluid dynamics model on biomass pellet smoldering combustion and its parametric study. Chemical Engineering Science, 2021, 231, 116247.	1.9	10
122	Operation Strategy for Solid Oxide Fuel Cell Systems for Small-Scale Stationary Applications. International Journal of Green Energy, 2009, 6, 583-593.	2.1	9
123	Estimation of membrane hydration status for standby proton exchange membrane fuel cell systems by complex impedance measurement: Constant temperature stack characterization. International Journal of Hydrogen Energy, 2013, 38, 4054-4066.	3.8	9
124	Log-Linear Model for Predicting the Lithium-ion Battery Age Based on Resistance Extraction from Dynamic Aging Profiles. IEEE Transactions on Industry Applications, 2020, 56, 6937-6948.	3.3	9
125	Determination of the behavior and performance of commercial Li-Ion pouch cells by means of isothermal calorimeter. , 2016, , .		8
126	The discharge behavior of lithium-ion batteries using the Dual-Potential Multi-Scale		8

Multi-Dimensional (MSMD) Battery Model. , 2017, , .

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127	Analysing Gas-Liquid Flow in PEM Electrolyser Micro-Channels Using a Micro-Porous Ceramic as Gas Permeable Wall. ECS Transactions, 2017, 80, 1107-1115.	0.3	8
128	Boundary model-based reference control of blower cooled high temperature polymer electrolyte membrane fuel cells. International Journal of Hydrogen Energy, 2011, 36, 5030-5037.	3.8	7
129	Thermal Modelling of a Lithium Titanate Oxide Battery. ECS Transactions, 2018, 87, 315-326.	0.3	7
130	Investigation of the Effect of State-of-Charge and C-Rates on the Heat Loss and Efficiency of a Lithium-Ion Battery. ECS Transactions, 2018, 87, 51-58.	0.3	7
131	Water Balance Simulations of a PEM Fuel Cell Using a Two-Fluid Model. ECS Transactions, 2010, 33, 1503-1513.	0.3	6
132	Parametric Sensitivity Tests—European Polymer Electrolyte Membrane Fuel Cell Stack Test Procedures. Journal of Fuel Cell Science and Technology, 2014, 11, .	0.8	6
133	A review of thermal management and safety for lithium ion batteries. , 2017, , .		6
134	Multiphysics based thermal modeling of a pouch lithium-ion battery cell for the development of pack level thermal management system. , 2016, , .		5
135	Thermal Characterizations of a Lithium Titanate Oxide-Based Lithium-Ion Battery Focused on Random and Periodic Charge-Discharge Pulses. Applied System Innovation, 2021, 4, 24.	2.7	5
136	The Effect of PFSA Membrane Compression on the Predicted Performance of a High Pressure PEM Electrolysis Cell. ECS Transactions, 2015, 68, 99-116.	0.3	4
137	Effect of Bad Connection on Surface Temperature of Lithium-Ion Batteries by Using Infrared Thermography. ECS Transactions, 2018, 87, 39-50.	0.3	4
138	Model-Supported Analysis of Degradation Phenomena of a PEM Water Electrolysis Cell under Dynamic Operation. ECS Transactions, 2018, 85, 37-45.	0.3	4
139	On the Effect of Clamping Pressure and Methods on the Current Distribution of a Proton Exchange Membrane Water Electrolyzer. ECS Transactions, 2018, 85, 995-1004.	0.3	4
140	Design and Simulation of Internal Flowing Twisted Conduits for Cooling of Lithium-Ion Batteries through Thermal Characterization. Batteries, 2020, 6, 31.	2.1	4
141	Experimental Evaluation of a Pt-based Heat Exchanger Methanol Reformer for a HTPEM Fuel Cell Stack. ECS Transactions, 2008, 12, 571-578.	0.3	3
142	Low Stoichiometry Operation of a Polymer Electrolyte Membrane Fuel Cell Employing the Interdigitated Flow Field Design. ECS Transactions, 2011, 41, 1897-1908.	0.3	3
143	Experimental and Numerical Evaluation of the Bypass Flow in a Catalytic Plate Reactor for Hydrogen Production. Journal of Fuel Cell Science and Technology, 2012, 9, .	0.8	3
144	Estimation of membrane hydration status for standby proton exchange membrane fuel cell systems by		3

<sup>44</sup> impedance measurement: First results on variable temperature stack characterization., 2013,,.

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145	Investigation of Multidimensional Electrothermal Impedance Spectroscopy Measurement on Lithium Ion Battery Cell. ECS Transactions, 2015, 70, 305-310.	0.3	3
146	Current and Temperature Distribution Measurement in a Polymer Electrolyte Membrane Water Electrolyzer Cell. ECS Transactions, 2018, 85, 1005-1012.	0.3	3
147	Thermal Simulation of Phase Change Material for Cooling of a Lithium-Ion Battery Pack. Electrochem, 2020, 1, 439-449.	1.7	3
148	Characterization of the Compressive Load on a Lithium-Ion Battery for Electric Vehicle Application. Machines, 2021, 9, 71.	1.2	3
149	Vapor Delivery Systems for the Study of the Effects of Reformate Gas Impurities in HT-PEM Fuel Cells. Journal of Fuel Cell Science and Technology, 2012, 9, .	0.8	2
150	On the Experimental Investigation of the Clamping Pressure Effects on the Proton Exchange Membrane Water Electrolyser Cell Performance. ECS Transactions, 2017, 77, 1409-1421.	0.3	2
151	Evolution of Surface Temperature of a 13 Amp Hour Nano Lithium-Titanate Battery Cell under Fast Charging. ECS Transactions, 2017, 81, 271-279.	0.3	2
152	On the Effect of Bipolar Plate Mechanical Properties on the Current Distribution of Proton Exchange Membrane Water Electrolysis. ECS Transactions, 2018, 86, 683-693.	0.3	2
153	Thermal Analysis of an Indirect Liquid Cooling with Different Geometries for a Lithium-Ion Battery. ECS Transactions, 2019, 95, 105-112.	0.3	2
154	Estimation of membrane hydration status for standby proton exchange membrane fuel cell systems by impedance measurement: First results on cell characterization. , 2011, , .		1
155	Numerical simulation of effect of catalyst wire-mesh pressure drop characteristics on flow distribution in catalytic parallel plate steam reformer. International Journal of Hydrogen Energy, 2012, 37, 9485-9495.	3.8	1
156	Parametric Sensitivity Tests â $\in$ " European PEM Fuel Cell Stack Test Procedures. , 2014, , .		1
157	Performance Degradation Tests of Phosphoric Acid Doped PBI Membrane Based High Temperature PEM Fuel Cells. , 2014, , .		1
158	Estimation of membrane hydration status for standby proton exchange membrane fuel cell systems by impedance measurement: First impedance measurement circuit. , 2014, , .		1
159	The AC Impedance Characteristic of High Power Li4Ti5O12-Based Battery Cells. ECS Transactions, 2015, 70, 291-300.	0.3	1
160	Analyzing Discharging and Charging Performance of a Lithium-Ion Battery. ECS Transactions, 2019, 95, 37-45.	0.3	1
161	Applying Different Configurations for the Thermal Management of a Lithium Titanate Oxide Battery Pack. Electrochem, 2021, 2, 50-63.	1.7	1
162	High Temperature PEM Fuel Cell Systems, Control and Diagnostics. , 2016, , 459-486.		1

#	Article	IF	CITATIONS
163	Modeling and Experiments of Biomass Combustion in a Large-scale Grate Boiler. , 2007, , 1173-1179.		1
164	Experimental Validation of Methanol Crossover in a Three-Dimensional, Two-Fluid Model of a Direct Methanol Fuel Cell. , 2012, , .		0
165	Electrothermal impedance spectroscopy measurement on high power LiMO <inf>2</inf> /Li <inf>4</inf> Ti <inf>5</inf> O <inf>12</inf> battery cell with low bandwidth test setup. , 2015, , .		Ο
166	An Analytical Solution for Lithium-Ion Batteries Cooling. ECS Transactions, 2019, 95, 75-79.	0.3	0