

Dmitri Bessarabov

List of Publications by Year in descending order

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159
papers

5,737
citations

109137

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88477

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163
all docs

163
docs citations

163
times ranked

5083
citing authors

#	ARTICLE	IF	CITATIONS
1	Low cost hydrogen production by anion exchange membrane electrolysis: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1690-1704.	8.2	507
2	Current status, research trends, and challenges in water electrolysis science and technology. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26036-26058.	3.8	390
3	Hydrogen Storage in Metal-Organic Frameworks: A Review. <i>Electrochimica Acta</i> , 2014, 128, 368-392.	2.6	329
4	The Prospect of Hydrogen Storage Using Liquid Organic Hydrogen Carriers. <i>Energy & Fuels</i> , 2019, 33, 2778-2796.	2.5	328
5	Application of nanoparticles in biofuels: An overview. <i>Fuel</i> , 2019, 237, 380-397.	3.4	268
6	A simple model for solid polymer electrolyte (SPE) water electrolysis. <i>Solid State Ionics</i> , 2004, 175, 535-539.	1.3	213
7	Review of electro-assisted methods for water purification. <i>Desalination</i> , 1998, 115, 285-294.	4.0	175
8	Development of efficient membrane electrode assembly for low cost hydrogen production by anion exchange membrane electrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10752-10761.	3.8	148
9	Reactor technology options for distributed hydrogen generation via ammonia decomposition: A review. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14968-14991.	3.8	131
10	Modulated synthesis of zirconium-metal organic framework (Zr-MOF) for hydrogen storage applications. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 890-895.	3.8	126
11	Failure of PEM water electrolysis cells: Case study involving anode dissolution and membrane thinning. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 20440-20446.	3.8	116
12	Comparative study of anion exchange membranes for low-cost water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26070-26079.	3.8	96
13	Measurement of effective gas diffusion coefficients of catalyst layers of PEM fuel cells with a Loschmidt diffusion cell. <i>Journal of Power Sources</i> , 2011, 196, 674-678.	4.0	87
14	Sol-gel film-preparation of novel electrodes for the electrocatalytic oxidation of organic pollutants in water. <i>Desalination</i> , 1998, 115, 295-302.	4.0	73
15	Analysis of reaction mixtures of perhydro-dibenzyltoluene using two-dimensional gas chromatography and single quadrupole gas chromatography. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 5620-5636.	3.8	67
16	Synthesis of rGO/Zr-MOF composite for hydrogen storage application. <i>Journal of Alloys and Compounds</i> , 2017, 724, 450-455.	2.8	61
17	A comprehensive review of energy sources for unmanned aerial vehicles, their shortfalls and opportunities for improvements. <i>Heliyon</i> , 2020, 6, e05285.	1.4	60
18	Characterisation tools development for PEM electrolyzers. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14212-14221.	3.8	59

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19	CFD simulation and experimental study of a hydrogen leak in a semi-closed space with the purpose of risk mitigation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 9231-9240.	3.8	59
20	Experimentation and CFD modelling of a microchannel reactor for carbon dioxide methanation. <i>Chemical Engineering Journal</i> , 2017, 313, 847-857.	6.6	57
21	Evaluation of catalyst activity for release of hydrogen from liquid organic hydrogen carriers. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21926-21935.	3.8	53
22	Investigation of Proton Transport in the Catalyst Layer of PEM Fuel Cells by Electrochemical Impedance Spectroscopy. <i>ECS Transactions</i> , 2010, 28, 147-157.	0.3	48
23	Microwave-assisted modulated synthesis of zirconium-based metal-organic framework (Zr-MOF) for hydrogen storage applications. <i>International Journal of Materials Research</i> , 2014, 105, 516-519.	0.1	48
24	Techno-economic assessment of power-to-methane and power-to-syngas business models for sustainable carbon dioxide utilization in coal-to-liquid facilities. <i>Journal of CO2 Utilization</i> , 2016, 16, 399-411.	3.3	48
25	Hydrogen production from ammonia decomposition over a commercial Ru/Al ₂ O ₃ catalyst in a microchannel reactor: Experimental validation and CFD simulation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 3774-3785.	3.8	48
26	Low equivalent weight short-side-chain perfluorosulfonic acid ionomers in fuel cell cathode catalyst layers. <i>Journal of Power Sources</i> , 2011, 196, 6168-6176.	4.0	47
27	Hydrogen generation by the hydrolysis of mechanochemically activated aluminum-tin-indium composites in pure water. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21398-21413.	3.8	47
28	South African hydrogen infrastructure (HySA infrastructure) for fuel cells and energy storage: Overview of a projects portfolio. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13568-13588.	3.8	46
29	Hydrogen generation of mechanochemically activated Al Bi In composites. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16589-16602.	3.8	45
30	Reviewing H ₂ Combustion: A Case Study for Non-Fuel-Cell Power Systems and Safety in Passive Autocatalytic Recombiners. <i>Energy & Fuels</i> , 2018, 32, 6401-6422.	2.5	45
31	The effects of bismuth and tin on the mechanochemical processing of aluminum-based composites for hydrogen generation purposes. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21896-21912.	3.8	41
32	High-Efficiency Separation of an Ethylene/Ethane Mixture by a Large-Scale Liquid-Membrane Contactor Containing Flat-Sheet Nonporous Polymeric Gas-Separation Membranes and a Selective Flowing-Liquid Absorbent. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 1769-1778.	1.8	40
33	Recent Advances in Membrane-Based Electrochemical Hydrogen Separation: A Review. <i>Membranes</i> , 2021, 11, 127.	1.4	39
34	A modelling evaluation of an ammonia-fuelled microchannel reformer for hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11390-11402.	3.8	38
35	On-demand hydrogen generation by the hydrolysis of ball-milled aluminum composites: A process overview. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35790-35813.	3.8	38
36	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2000, 30, 293-302.	1.5	35

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37	Degradation mechanisms of MEA characteristics during water electrolysis in solid polymer electrolyte cells. Russian Journal of Electrochemistry, 2017, 53, 318-323.	0.3	34
38	Insight into the adsorption of a liquid organic hydrogen carrier, perhydro-dibenzyltoluene ($\text{C}_{10}\text{H}_{16}$), on Pt, Pd and PtPd planar surfaces. RSC Advances, 2018, 8, 31895-31904.	1.7	34
39	Catalytic dehydrogenation onset of liquid organic hydrogen carrier, perhydro-dibenzyltoluene: The effect of Pd and Pt subsurface configurations. Computational Materials Science, 2020, 172, 109332.	1.4	34
40	Density functional theory calculation of Ti ₃ C ₂ MXene monolayer as catalytic support for platinum towards the dehydrogenation of methylcyclohexane. Applied Surface Science, 2020, 529, 147186.	3.1	34
41	Use of nonporous polymeric flat-sheet gas-separation membranes in a membrane-liquid contactor: experimental studies. Journal of Membrane Science, 1996, 113, 275-284.	4.1	33
42	Performance evaluation of a high-throughput microchannel reactor for ammonia decomposition over a commercial Ru-based catalyst. International Journal of Hydrogen Energy, 2015, 40, 2921-2926.	3.8	33
43	A highly efficient autothermal microchannel reactor for ammonia decomposition: Analysis of hydrogen production in transient and steady-state regimes. Journal of Power Sources, 2018, 386, 47-55.	4.0	33
44	Stress tolerance assessment of dibenzyltoluene-based liquid organic hydrogen carriers. Sustainable Energy and Fuels, 2020, 4, 4662-4670.	2.5	33
45	Characterisation of a PEM electrolyser using the current interrupt method. International Journal of Hydrogen Energy, 2014, 39, 20865-20878.	3.8	32
46	Pt/C and Pt/SnO _x /C Catalysts for Ethanol Electrooxidation: Rotating Disk Electrode Study. Catalysts, 2019, 9, 271.	1.6	32
47	Hydrogen Separation and Purification from Various Gas Mixtures by Means of Electrochemical Membrane Technology in the Temperature Range 100–160 °C. Membranes, 2021, 11, 282.	1.4	32
48	First principles study of single and multi-site transition metal dopant ions in MoS ₂ monolayer. Computational Condensed Matter, 2019, 21, e00419.	0.9	30
49	Development of a Pt/stainless steel mesh catalyst and its application in catalytic hydrogen combustion. International Journal of Hydrogen Energy, 2019, 44, 27094-27106.	3.8	30
50	Catalytic dehydrogenation of the liquid organic hydrogen carrier octahydroindole on Pt (111) surface: Ab initio insights from density functional theory calculations. Applied Surface Science, 2019, 471, 1034-1040.	3.1	29
51	Design and operation of an ammonia-fueled microchannel reactor for autothermal hydrogen production. Catalysis Today, 2018, 310, 187-194.	2.2	28
52	Gas Crossover Mitigation in PEM Water Electrolysis: Hydrogen Cross-over Benchmark Study of 3M's Ir-NSTF Based Electrolysis Catalyst-Coated Membranes. ECS Transactions, 2016, 75, 1165-1173.	0.3	27
53	Thermally stable Pt/Ti mesh catalyst for catalytic hydrogen combustion. International Journal of Hydrogen Energy, 2020, 45, 16851-16864.	3.8	27
54	Probing platinum degradation in polymer electrolyte membrane fuel cells by synchrotron X-ray microscopy. Physical Chemistry Chemical Physics, 2012, 14, 4835.	1.3	26

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55	Microchannel reactor heat-exchangers: A review of design strategies for the effective thermal coupling of gas phase reactions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 157, 108164.	1.8	26
56	Hydrogen Storage in Aromatic Carbon Ring Based Molecular Materials Decorated with Alkali or Alkali-Earth Metals. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25286-25292.	1.5	25
57	Preparation of anodized aluminium oxide at high temperatures using low purity aluminium (Al6082). <i>Surface and Coatings Technology</i> , 2019, 378, 124970.	2.2	25
58	Theoretical limit of reversible hydrogen storage capacity for pristine and oxygen-doped boron nitride. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16984-16991.	3.8	23
59	Hydrogen storage. , 2022, , 455-486.		23
60	Fingerprint of automotive fuel cell cathode catalyst degradation: Pt band in PEMs. <i>Membrane Technology</i> , 2009, 2009, 7-10.	0.5	22
61	Insights on hydrogen evolution reaction in transition metal doped monolayer TcS ₂ from density functional theory calculations. <i>Applied Surface Science</i> , 2019, 470, 107-113.	3.1	22
62	Catalytic Hydrogen Combustion for Domestic and Safety Applications: A Critical Review of Catalyst Materials and Technologies. <i>Energies</i> , 2021, 14, 4897.	1.6	22
63	Self-diffusion of water and fluorine ions in anion-exchange polymeric materials (membranes and) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Membrane Science</i> , 2000, 180, 1-13.	4.1	21
64	Comparison of ionically and ionic-covalently cross-linked polyaromatic membranes for SO ₂ electrolysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 28-40.	3.8	21
65	Evaluation of MEA manufacturing parameters using EIS for SO ₂ electrolysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 18173-18181.	3.8	21
66	Modeling hydrogen storage in boron-substituted graphene decorated with potassium metal atoms. <i>International Journal of Energy Research</i> , 2015, 39, 524-528.	2.2	21
67	Electrochemical Characterization and Oxygen Reduction Kinetics of Cu-incorporated Cobalt Oxide Catalyt. <i>International Journal of Electrochemical Science</i> , 2016, 11, 8002-8015.	0.5	21
68	Effect of a ripple current on the efficiency of a PEM electrolyser. <i>Results in Engineering</i> , 2021, 10, 100216.	2.2	21
69	Development of a low purity aluminum alloy (Al6082) anodization process and its application as a platinum-based catalyst in catalytic hydrogen combustion. <i>Surface and Coatings Technology</i> , 2020, 404, 126483.	2.2	20
70	A Thermally Conductive Pt/AAO Catalyst for Hydrogen Passive Autocatalytic Recombination. <i>Catalysts</i> , 2021, 11, 491.	1.6	20
71	Selective membrane valve for ternary gas mixture separation: model of mass transfer and experimental test. <i>Industrial & Engineering Chemistry Research</i> , 1993, 32, 2017-2022.	1.8	19
72	Measurement of gas permeability in SPE membranes for use in fuel cells. <i>Membrane Technology</i> , 2007, 2007, 6-9.	0.5	19

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91	Math hydrogen catalytic recombiner: Engineering model for dynamic full-scale calculations. International Journal of Hydrogen Energy, 2018, 43, 23523-23537.	3.8	14
92	(Invited) Membranes with Recombination Catalyst for Hydrogen Crossover Reduction: Water Electrolysis. ECS Transactions, 2018, 85, 17-25.	0.3	14
93	Steady-state and transient modelling of a microchannel reactor for coupled ammonia decomposition and oxidation. International Journal of Hydrogen Energy, 2019, 44, 6415-6426.	3.8	14
94	Supported Ir-Based Oxygen Evolution Catalysts for Polymer Electrolyte Membrane Water Electrolysis: A Minireview. Energy & Fuels, 2022, 36, 6613-6625.	2.5	14
95	Novel application of membrane contactors: solubility measurements of 1-hexene in solvents containing silver ions for liquid olefin/paraffin separations. Desalination, 1998, 115, 279-284.	4.0	13
96	Hydrogen Infrastructure within HySA National Program in South Africa: Road Map and Specific Needs. Energy Procedia, 2012, 29, 42-52.	1.8	13
97	Thermal treatment induced transition from Zn ₃ (OH) ₂ (BDC) ₂ (MOF-69c) to Zn ₄ O(BDC) ₃ (MOF-5). International Journal of Materials Research, 2014, 105, 89-93.	0.1	13
98	Thermodynamical model for hydrogen storage capacity in carbon nanostructures. International Journal of Hydrogen Energy, 2015, 40, 4184-4193.	3.8	13
99	Sulfonated poly(arylene thioether phosphine oxide)s and poly(arylene ether phosphine oxide)s PBI-blend membranes and their performance in SO ₂ electrolysis. International Journal of Hydrogen Energy, 2016, 41, 4521-4537.	3.8	13
100	Degradation of a Cathode Catalyst Layer in Pem MEAs Subjected to Automotive-Specific Test Conditions. International Journal of Green Energy, 2009, 6, 594-606.	2.1	12
101	Characterisation of a polyaromatic PBI blend membrane for SO ₂ electrolysis. International Journal of Hydrogen Energy, 2015, 40, 3122-3133.	3.8	12
102	Two-phase mass transfer in porous transport layers of the electrolysis cell based on a polymer electrolyte membrane: Analysis of the limitations. Electrochimica Acta, 2021, 387, 138541.	2.6	12
103	Nonequilibrium poroelectroelastic theory for polymer electrolytes under conditions of water electrolysis. International Journal of Hydrogen Energy, 2019, 44, 7889-7904.	3.8	11
104	Si, P, S and Se surface additives as catalytic activity boosters for dehydrogenation of methylcyclohexane to toluene - A liquid organic hydrogen carrier system: Density functional theory insights. Materials Chemistry and Physics, 2022, 279, 125728.	2.0	11
105	Characterisation of membranes for electrochemically aided gas separation: Morphology of platinum deposition. Separation and Purification Technology, 1998, 14, 201-208.	3.9	10
106	Modeling of bimetallic Pt-based electrocatalyst on extended-surface support for advanced hydrogen compression and separation. International Journal of Hydrogen Energy, 2014, 39, 7805-7810.	3.8	10
107	Preparation of Pt/Ce-Zr-Y mixed oxide/anodized aluminium oxide catalysts for hydrogen passive autocatalytic recombination. International Journal of Hydrogen Energy, 2022, 47, 12726-12738.	3.8	10
108	Effect of H ₂ S on SO ₂ -depolarised water electrolysis. International Journal of Hydrogen Energy, 2015, 40, 4442-4450.	3.8	9

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109	PEM Water Electrolysis: Preliminary Investigations Using Neutron Radiography. <i>Physics Procedia</i> , 2017, 88, 19-26.	1.2	9
110	The effects of pore widening and calcination on anodized aluminum oxide prepared from Al6082. <i>Surface and Coatings Technology</i> , 2020, 383, 125234.	2.2	9
111	New Possibilities of Electroinduced Membrane Gas and Vapor Separation. <i>Industrial & Engineering Chemistry Research</i> , 1997, 36, 2487-2489.	1.8	8
112	Solid polyelectrolyte (SPE) membranes containing a textured platinum catalyst. <i>Journal of Membrane Science</i> , 2001, 194, 135-140.	4.1	8
113	Electrospun zeolite-templated carbon composite fibres for hydrogen storage applications. <i>Research on Chemical Intermediates</i> , 2017, 43, 4095-4102.	1.3	8
114	Solid polyelectrolyte (SPE) membranes with textured surface. <i>Journal of Membrane Science</i> , 2004, 244, 69-76.	4.1	7
115	Advances in structural and chemical analysis of catalystcoated membranes for hydrogen fuel cell applications. <i>Membrane Technology</i> , 2009, 2009, 6-12.	0.5	7
116	Note: Determination of effective gas diffusion coefficients of stainless steel films with differently shaped holes using a Loschmidt diffusion cell. <i>Review of Scientific Instruments</i> , 2010, 81, 046104.	0.6	7
117	Equivalent electrical circuit modelling of a Proton Exchange Membrane electrolyser based on current interruption. , 2013, , .		7
118	PBI-Blended Membrane Evaluated in High Temperature SO ₂ Electrolyzer. <i>ECS Transactions</i> , 2018, 85, 21-28.	0.3	7
119	The Use of Hydrogen as a Potential Reductant in the Chromite Smelting Industry. <i>Minerals (Basel)</i> , 2018, 8, 1074.	0.8	7
120	Preparation of Highly Active and Thermally Conductive Platinum Nanoparticle/Ceâ€“Zrâ€“Y Mixed Oxide/AAO Washcoat Catalyst for Catalytic Hydrogen Combustion Technologies. <i>ACS Applied Nano Materials</i> , 2022, 5, 8161-8174.	2.4	7
121	Electrochemically-aided membrane separation and catalytic processes. <i>Membrane Technology</i> , 1998, 1998, 8-11.	0.5	6
122	Galvanodynamic study of the electrochemical switching effect in perfluorinated cation-exchange membranes modified by ethylenediamine. <i>Journal of Membrane Science</i> , 2001, 194, 81-90.	4.1	6
123	New opportunities for osmotic membrane distillation. <i>Membrane Technology</i> , 2006, 2006, 7-11.	0.5	6
124	Canadaâ€“USA PEM Fuel Cell Network Research Workshop: Report. <i>Fuel Cells Bulletin</i> , 2009, 2009, 12-16.	0.7	6
125	Monomers, Polymers and Cross-Linked Membranes for Membrane Fuel Cells and Electrolysis. <i>ECS Transactions</i> , 2011, 41, 1621-1632.	0.3	6
126	Evaluation of covalently and ionically cross-linked PBI-excess blends for application in SO ₂ electrolysis. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 8788-8796.	3.8	6

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127	Electrocatalytic Process for Ammonia Electrolysis: A Remediation Technique with Hydrogen Co-Generation. <i>International Journal of Electrochemical Science</i> , 2016, 11, 6627-6635.	0.5	6
128	On the contamination of membrane-electrode assemblies of water electrolyzers with solid polymer electrolyte by the elements of titanium alloys. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 808-812.	0.3	6
129	Effect of supercapacitors on the operation of an air-cooled hydrogen fuel cell. <i>Heliyon</i> , 2021, 7, e06569.	1.4	6
130	A Promising Catalyst for the Dehydrogenation of Perhydro-Dibenzyltoluene: Pt/Al ₂ O ₃ Prepared by Supercritical CO ₂ Deposition. <i>Catalysts</i> , 2022, 12, 489.	1.6	6
131	Phenomenological analysis of ethylene transport in a membrane contactor containing solutions of silver nitrate. <i>Desalination</i> , 1998, 115, 265-277.	4.0	5
132	A study of the loss characteristics of a single cell PEM electrolyser for pure hydrogen production. , 2013, , .		5
133	Novel cross-linked partially fluorinated and non-fluorinated polyaromatic PBI-containing blend-membranes for SO ₂ electrolysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 11868-11883.	3.8	5
134	Effect of Relative Humidity and Temperature on the Mechanical Properties of PFSA Nafion [®] -c-cation-exchanged membranes for Electrochemical Applications. <i>International Journal of Electrochemical Science</i> , 2017, 12, 2573-2582.	0.5	5
135	Modified Pt (2 1 1) and (3 1 1) surfaces towards the dehydrogenation of methylcyclohexane to toluene: A density functional theory study. <i>Applied Surface Science</i> , 2022, 584, 152590.	3.1	5
136	Morphological diversity of platinum clusters deposited on proton-exchange, perfluorinated membranes. <i>Membrane Technology</i> , 2001, 2001, 5-9.	0.5	4
137	Chemical Fingerprint Associated with the Formation of Pt in the Membrane in PEM Fuel Cells. <i>ECS Transactions</i> , 2010, 33, 391-398.	0.3	4
138	Electroless deposition of platinum on proton-conductive perfluorinated membranes modified with ethylene diamine. <i>Ionics</i> , 1999, 5, 52-58.	1.2	3
139	Membranes help to produce high-concentration ozone: new challenges. <i>Membrane Technology</i> , 1999, 1999, 5-8.	0.5	3
140	Novel cross-linked PBI-blended membranes evaluated for high temperature fuel cell application and SO ₂ electrolysis. <i>Materials Today: Proceedings</i> , 2018, 5, 10524-10532.	0.9	3
141	Brief Historical Background of Water Electrolysis. , 2018, , 17-42.		3
142	CO Preferential Oxidation in a Microchannel Reactor Using a Ru-Cs/Al ₂ O ₃ Catalyst: Experimentation and CFD Modelling. <i>Processes</i> , 2021, 9, 867.	1.3	3
143	Low-temperature water electrolysis. , 2021, , 17-50.		3
144	Hydrogen Generation by Solid Polymer Electrolysis with Anodic Depolarization. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2014, 49, 575-578.	0.1	2

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145	The Individual Proton-Exchange Membrane Cell and Proton-Exchange Membrane Stack. , 2018, , 75-115.		2
146	The CO Tolerance of Pt/C and Pt-Ru/C Electrocatalysts in a High-Temperature Electrochemical Cell Used for Hydrogen Separation. Membranes, 2021, 11, 670.	1.4	2
147	Membrane science and technology in Russia: Status and perspectives. Membrane Technology, 2005, 2005, 6-10.	0.5	1
148	Mathematical methodology and software package for investigation of nonstationary hydrogen permeability in membranes used in electrolyzers and hydrogen fuel cells. International Journal of Hydrogen Energy, 2017, 42, 14667-14679.	3.8	1
149	Performance Degradation. , 2018, , 61-94.		1
150	Stability of ionic-covalently cross-linked PBI-blended membranes for SO ₂ electrolysis at elevated temperatures. International Journal of Hydrogen Energy, 2020, 45, 2447-2459.	3.8	1
151	Workshop report: Vancouver to Northeast USA Fuel Cell and Hydrogen Cluster Connection. Membrane Technology, 2008, 2008, 6-9.	0.5	0
152	Fingerprints of Automotive Fuel Cell Degradation. ECS Transactions, 2010, 28, 127-135.	0.3	0
153	HySA infrastructure center of competence: A strategic collaboration platform for renewable hydrogen production and storage for fuel cell telecom applications. , 2014, , .		0
154	Influence of Annealing on Pt Electrocatalyst: Theoretical Approach to Estimate CO Tolerance. International Journal of Electrochemical Science, 2016, , 4198-4204.	0.5	0
155	Power-to-Gas. , 2018, , 95-100.		0
156	Gas Permeation in PEM Water Electrolyzers. , 2018, , 117-158.		0
157	(Invited) Membranes with Recombination Catalyst for Hydrogen Crossover Reduction: Water Electrolysis. ECS Meeting Abstracts, 2018, , .	0.0	0
158	PBI-Blended Membrane Evaluated in High Temperature SO ₂ Electrolyser. ECS Meeting Abstracts, 2018, , .	0.0	0
159	Stability of Ionic-Covalently Cross-Linked PBI-Blended Membranes for so ₂ electrolysis at Elevated Temperatures. ECS Meeting Abstracts, 2020, MA2020-01, 1605-1605.	0.0	0