

Suk Won Cha

List of Publications by Year in descending order

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185
papers

3,720
citations

136950

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all docs

190
docs citations

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times ranked

2695
citing authors

#	ARTICLE	IF	CITATIONS
1	A Speedy Reinforcement Learning-Based Energy Management Strategy for Fuel Cell Hybrid Vehicles Considering Fuel Cell System Lifetime. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 859-872.	4.9	20
2	Robust PV-BESS Scheduling for a Grid With Incentive for Forecast Accuracy. IEEE Transactions on Sustainable Energy, 2022, 13, 567-578.	8.8	22
3	Analysis of data errors in the solar photovoltaic monitoring system database: An overview of nationwide power plants in Korea. Renewable and Sustainable Energy Reviews, 2022, 156, 112007.	16.4	7
4	A soft actor-critic-based energy management strategy for electric vehicles with hybrid energy storage systems. Journal of Power Sources, 2022, 524, 231099.	7.8	32
5	Operating Cost Savings in the Atomic Layer Deposition Process of Ultrathin Electrolyte for Solid Oxide Fuel Cells by Applying Oxygen Plasma. International Journal of Precision Engineering and Manufacturing, 2022, 23, 573-579.	2.2	3
6	Effect of nanostructured grains in co-sputtered Ni-GDC thin-film anode on methane conversion kinetics for low temperature solid oxide fuel cells operating on nearly dry methane. Ceramics International, 2022, 48, 9083-9089.	4.8	7
7	Tailoring 3D structured nanofibrous nickel/gadolinium-doped ceria anodes for high-performance thin-film solid oxide fuel cells. Journal of Power Sources, 2022, 531, 231320.	7.8	10
8	Energy efficient speed planning of electric vehicles for car-following scenario using model-based reinforcement learning. Applied Energy, 2022, 313, 118460.	10.1	32
9	A Deep Reinforcement Learning-Based Energy Management Strategy for Fuel Cell Hybrid Buses. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 885-897.	4.9	18
10	Reinforcement Learning Based on Equivalent Consumption Minimization Strategy for Optimal Control of Hybrid Electric Vehicles. IEEE Access, 2021, 9, 860-871.	4.2	25
11	Energy Management Strategy of Fuel Cell Electric Vehicles Using Model-Based Reinforcement Learning With Data-Driven Model Update. IEEE Access, 2021, 9, 59244-59254.	4.2	24
12	Model Based Automated Calibration for Shift Control of Automatic Transmission. International Journal of Automotive Technology, 2021, 22, 269-280.	1.4	5
13	A Hybrid Energy Storage System for an Electric Vehicle and Its Effectiveness Validation. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 1739-1754.	4.9	12
14	A Component-Sizing Methodology for a Hybrid Electric Vehicle Using an Optimization Algorithm. Energies, 2021, 14, 3147.	3.1	7
15	The role of vacuum based technologies in solid oxide fuel cell development to utilize industrial waste carbon for power production. Renewable and Sustainable Energy Reviews, 2021, 142, 110803.	16.4	27
16	Nanoporous nickel thin film anode optimization for low-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2021, 46, 36445-36453.	7.1	14
17	A Review of Optimal Energy Management Strategies Using Machine Learning Techniques for Hybrid Electric Vehicles. International Journal of Automotive Technology, 2021, 22, 1437-1452.	1.4	17
18	Plasma Driven Exsolution for Nanoscale Functionalization of Perovskite Oxides. Small Methods, 2021, 5, e2100868.	8.6	19

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19	Effects of Nanoscale PEALD YSZ Interlayer for AAO Based Thin Film Solid Oxide Fuel Cells. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 423-430.	4.9	11
20	Electrochemical study on the effect of catalytic current collecting layer on thin film La _{0.6} Sr _{0.4} Co _{0.8} Fe _{0.2} O _{3-δ} (LSCF) cathode. Applied Surface Science, 2020, 509, 145224.	6.1	9
21	Low-temperature, high-performance thin-film solid oxide fuel cells with tailored nano-column structures of a sputtered Ni anode. Journal of Materials Chemistry A, 2020, 8, 21668-21679.	10.3	20
22	Effects of Microstructure of Ni Anode on Nanotemplate Based Low Temperature Solid Oxide Fuel Cells. International Journal of Precision Engineering and Manufacturing, 2020, 21, 2199-2208.	2.2	5
23	Scalable fabrication process of thin-film solid oxide fuel cells with an anode functional layer design and a sputtered electrolyte. International Journal of Hydrogen Energy, 2020, 45, 33980-33992.	7.1	14
24	Validation of defect association energy on modulating oxygen ionic conductivity in low temperature solid oxide fuel cell. Journal of Power Sources, 2020, 480, 229106.	7.8	10
25	Model-Based Reinforcement Learning for Eco-Driving Control of Electric Vehicles. IEEE Access, 2020, 8, 202886-202896.	4.2	42
26	Ultrathin sputtered platinum-gadolinium doped ceria cathodic interlayer for enhanced performance of low temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2020, 45, 32442-32448.	7.1	11
27	Enhanced performance of nanostructured thin film anode through Pt plasma enhanced atomic layer deposition for low temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2020, 45, 32816-32824.	7.1	7
28	Receding Horizon Control of Cooling Systems for Large-Size Uninterruptible Power Supply Based on a Metal-Air Battery System. Energies, 2020, 13, 1611.	3.1	1
29	Cluster Analysis to Preprocess the Building Power Usage Data Without Domain Knowledge. Journal of Electrical Engineering and Technology, 2020, 15, 685-692.	2.0	4
30	Geometrical scale dependency of thin film solid oxide fuel cells. Modern Physics Letters B, 2020, 34, 2040038.	1.9	0
31	Recent Advances of First d-Block Metal-Based Perovskite Oxide Electrocatalysts for Alkaline Water Splitting. Catalysts, 2020, 10, 770.	3.5	28
32	Online Data-Driven Energy Management of a Hybrid Electric Vehicle Using Model-Based Q-Learning. IEEE Access, 2020, 8, 84444-84454.	4.2	30
33	Three dimensional YSZ interface engineering layer for enhancement of oxygen reduction reactions of low temperature solid oxide fuel cells. Ceramics International, 2020, 46, 12648-12655.	4.8	18
34	A Study of Anode-Supported Solid Oxide Fuel Cell Modeling and Optimization Using Neural Network and Multi-Armed Bandit Algorithm. Energies, 2020, 13, 1621.	3.1	18
35	Investigation of Reducing In-Plane Resistance of Nickel Oxide-Samaria-Doped Ceria Anode in Thin-Film Solid Oxide Fuel Cells. Energies, 2020, 13, 1989.	3.1	4
36	Comparative Analysis of Energy Management Strategies for HEV: Dynamic Programming and Reinforcement Learning. IEEE Access, 2020, 8, 67112-67123.	4.2	66

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37	Preparation of SrCo _{0.8} Nb _{0.1} Ta _{0.1} O _{3-$\hat{\nu}$} as a Cathode for Solid Oxide Fuel Cells by Pulsed Laser Deposition. Journal of the Korean Society for Precision Engineering, 2020, 37, 83-87.	0.2	0
38	Influence of the start-up rate on the electrochemical impedance of a low-temperature solid oxide fuel cell fabricated by reactive sputtering. Thin Solid Films, 2019, 689, 137445.	1.8	5
39	A novel method to fabricate nanoporous gadolinium-doped ceria interlayer by combining wet-etching and thin film deposition. Ceramics International, 2019, 45, 23788-23793.	4.8	3
40	Effect of Microstructure Control of Thin Film Yttria Stabilized Zirconia Electrolyte for Solid Oxide Fuel Cells by Adjusting Oblique Angle and Target Substrate Distance of Sputtering Process. ECS Transactions, 2019, 91, 1097-1104.	0.5	3
41	Cost-effective and durable Ru-sputtered Pt/C-based membraneâ€“electrode assembly for passive direct methanol fuel cells. AIP Advances, 2019, 9, .	1.3	5
42	Development of Thin-Film Solid Oxide Fuel Cells Supported on Anode/Metal Substrates. ECS Transactions, 2019, 91, 931-939.	0.5	2
43	A new approach to characterize charge transfer reaction for solid oxide fuel cell. Surface and Coatings Technology, 2019, 364, 377-382.	4.8	3
44	Optimization of Y ₂ O ₃ dopant concentration of yttria stabilized zirconia thin film electrolyte prepared by plasma enhanced atomic layer deposition for high performance thin film solid oxide fuel cells. Energy, 2019, 173, 436-442.	8.8	18
45	A study on the application of metalâ€“air battery to large size uninterruptible power supply with a hybrid system. JMST Advances, 2019, 1, 181-190.	1.9	2
46	Effect of nano-pinholes within ceramic electrolytes of thin-film solid oxide fuel cells. Journal of Industrial and Engineering Chemistry, 2019, 75, 108-114.	5.8	6
47	Au-Coated Lanthanum Strontium Cobalt Ferrite Cathode for Lowering Sheet Resistance of a Solid Oxide Fuel Cell. International Journal of Precision Engineering and Manufacturing, 2019, 20, 451-455.	2.2	10
48	Surface Roughening of Electrolyte Membrane for Pt- and Ru-Sputtered Passive Direct Methanol Fuel Cells. Materials, 2019, 12, 3969.	2.9	6
49	Ionic Radii and Concentration Dependency of RE ³⁺ (Eu ³⁺ , Nd ³⁺ ,) Tj ETQq1 1 0.784314 rgBT (0) Multienzyme-Mimetic and Hydroxyl Radical Scavenging Activity. Journal of Physical Chemistry C, 2019, 123, 541-553.	3.1	56
50	Effect of plasma-enhanced atomic layer deposited YSZ inter-layer on cathode interface of GDC electrolyte in thin film solid oxide fuel cells. Renewable Energy, 2019, 144, 123-128.	8.9	22
51	Review of solid oxide electrolysis cells: a clean energy strategy for hydrogen generation. Nanomaterials and Energy, 2019, 8, 2-22.	0.2	73
52	Pulsed laser deposition of BaCo _{0.4} Fe _{0.4} Zr _{0.1} Y _{0.1} O _{3-$\hat{\nu}$} cathode for solid oxide fuel cells. Surface and Coatings Technology, 2019, 369, 265-268.	4.8	12
53	A Energy Management Strategy for Hybrid Electric Vehicles Using Deep Q- Networks. Transactions of the Korean Society of Automotive Engineers, 2019, 27, 903-909.	0.3	3
54	Novel Evaluation Systems for Compact In-Wheel Vehicles Considering Deviation of Load Torque between Left and Right Wheel. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 287-294.	4.9	1

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55	Experimentation and modelling of nanostructured nickel cermet anodes for submicron SOFCs fuelled indirectly by industrial waste carbon. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11169-11179.	10.3	8
56	Scalable lattice-strain in preferentially oriented acceptor-doped cerium oxide film and its impact on oxygen ion transport kinetics. <i>Electrochimica Acta</i> , 2018, 264, 203-215.	5.2	8
57	Optimization of ScSZ/GDC bilayer thin film electrolyte for anodic aluminum oxide supported low temperature solid oxide fuel cells. <i>Nanotechnology</i> , 2018, 29, 345401.	2.6	11
58	A Study on the Energy Management Strategy Based on the Accuracy of Speed Profile of Hybrid Electric Vehicle. , 2018, , .		0
59	Development of Energy Management Strategy Using Driving Information for Parallel Mild HEV. , 2018, , .		1
60	A nanoporous substrate-based low temperature solid oxide fuel cell using a thin film Ni anode. <i>Thin Solid Films</i> , 2018, 666, 177-181.	1.8	21
61	An Innovative Rotor Position Detection at Stand-Still and Low Speed with Carrier Phase-Shifted PWM Method. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 1281-1289.	2.2	1
62	Structure dependent luminescence, peroxidase mimetic and hydrogen peroxide sensing of samarium doped cerium phosphate nanorods. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6559-6571.	5.8	15
63	Optimization of Speed Trajectory for Eco-Driving Considering Road Characteristics. , 2018, , .		3
64	Model-Based Integrated Control of Engine and CVT to Minimize Fuel Use. <i>International Journal of Automotive Technology</i> , 2018, 19, 687-694.	1.4	7
65	Nickel-based bilayer thin-film anodes for low-temperature solid oxide fuel cells. <i>Energy</i> , 2018, 161, 1133-1138.	8.8	16
66	Thin Film Solid Oxide Fuel Cells Operating Below 600°C: A Review. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2018, 5, 441-453.	4.9	58
67	Thin Film Process for Thin Film Solid Oxide Fuel Cells - A Review. <i>Journal of the Korean Society for Precision Engineering</i> , 2018, 35, 1119-1129.	0.2	2
68	Repetitive bending test of membrane electrode assembly for bendable polymer electrolyte membrane fuel cell. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 323-328.	5.8	14
69	Energy management strategy of hybrid electric vehicle using battery state of charge trajectory information. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2017, 4, 79-86.	4.9	37
70	Real-time application of Pontryagin's Minimum Principle to fuel cell hybrid buses based on driving characteristics of buses. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2017, 4, 199-209.	4.9	32
71	Thermally stable Ag@ZrO ₂ core-shell via atomic layer deposition. <i>Materials Letters</i> , 2017, 188, 372-374.	2.6	24
72	Effect of assembly pressure on the performance of a bendable polymer electrolyte fuel cell based on a silver nanowire current collector. <i>Energy</i> , 2017, 134, 412-419.	8.8	32

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73	A rollable ultra-light polymer electrolyte membrane fuel cell. NPG Asia Materials, 2017, 9, e384-e384.	7.9	34
74	Durable graphene-coated bipolar plates for polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2017, 42, 27350-27353.	7.1	29
75	Integrated design of a Ni thin-film electrode on a porous alumina template for affordable and high-performance low-temperature solid oxide fuel cells. RSC Advances, 2017, 7, 23600-23606.	3.6	16
76	Optimization of power management among an engine, battery and ultra-capacitor for a series HEV: A dynamic programming application. International Journal of Automotive Technology, 2017, 18, 891-900.	1.4	19
77	Performance variation of bendable polymer electrolyte fuel cell based on Ag nanowire current collector under mixed bending and twisting load. International Journal of Hydrogen Energy, 2017, 42, 1884-1890.	7.1	32
78	Development of Vehicle Component Sizing Process Using Optimization Algorithm. , 2017, , .		3
79	Properties of nanostructured undoped ZrO ₂ thin film electrolytes by plasma enhanced atomic layer deposition for thin film solid oxide fuel cells. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, 01A151.	2.1	17
80	Flexible fuel cell using stiffness-controlled endplate. International Journal of Hydrogen Energy, 2016, 41, 6013-6019.	7.1	45
81	From design for manufacturing (DFM) to manufacturing for design (MFD) via hybrid manufacturing and smart factory: A review and perspective of paradigm shift. International Journal of Precision Engineering and Manufacturing - Green Technology, 2016, 3, 209-222.	4.9	59
82	A thermally self-sustaining solid oxide fuel cell system at ultra-low operating temperature (319°C). Energy, 2016, 104, 107-113.	8.8	25
83	Effect of 20% O ₂ reactive gas on RF-sputtered Ni-SDC cermet anodes for intermediate temperature solid oxide fuel cells. Current Applied Physics, 2016, 16, 1680-1686.	2.4	9
84	Atomic layer deposition of yttria-stabilized zirconia thin films for enhanced reactivity and stability of solid oxide fuel cells. Energy, 2016, 116, 170-176.	8.8	42
85	Characterization of thin film solid oxide fuel cells with variations in the thickness of nickel oxide-gadolinia doped ceria anode. International Journal of Precision Engineering and Manufacturing, 2016, 17, 1079-1083.	2.2	13
86	Co-state variable determination in Pontryagin's Minimum Principle for energy management of hybrid vehicles. International Journal of Precision Engineering and Manufacturing, 2016, 17, 1215-1222.	2.2	24
87	PEALD YSZ-based bilayer electrolyte for thin film-solid oxide fuel cells. Nanotechnology, 2016, 27, 415402.	2.6	24
88	Performance enhancement of thin film LSCF cathodes by gold current collecting layer. International Journal of Precision Engineering and Manufacturing - Green Technology, 2016, 3, 185-188.	4.9	20
89	Effect of ultra-thin SnO ₂ coating on Pt catalyst for energy applications. International Journal of Precision Engineering and Manufacturing, 2016, 17, 691-694.	2.2	16
90	Effects of carbon contaminations on Y ₂ O ₃ -stabilized ZrO ₂ thin film electrolyte prepared by atomic layer deposition for thin film solid oxide fuel cells. CIRP Annals - Manufacturing Technology, 2016, 65, 515-518.	3.6	19

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91	Substrate-dependent growth of nanothin film solid oxide fuel cells toward cost-effective nanostructuring. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2016, 3, 35-39.	4.9	24
92	Effect of anode morphology on the performance of thin film solid oxide fuel cell with PEALD YSZ electrolyte. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9638-9643.	7.1	29
93	Sufficient conditions for optimal energy management strategies of fuel cell hybrid electric vehicles based on Pontryagin's minimum principle. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2016, 230, 202-214.	1.9	17
94	Platinum-based nanocomposite electrodes for low-temperature solid oxide fuel cells with extended lifetime. <i>Journal of Power Sources</i> , 2016, 307, 289-296.	7.8	37
95	On the reduced electrical conductivity of radio-frequency sputtered doped ceria thin film by elevating the substrate temperature. <i>Current Applied Physics</i> , 2016, 16, 324-328.	2.4	4
96	Performance Enhancement in Thin Film Solid Oxide Fuel Cells Using Metal-Mixed Ionic Electronic Conductors Bilayer Anode. <i>Science of Advanced Materials</i> , 2016, 8, 11-16.	0.7	4
97	Component Sizing for Development of Novel PHEV System. <i>Transactions of the Korean Society of Automotive Engineers</i> , 2016, 24, 330-337.	0.3	4
98	Dynamic Performance Analyzing of In-wheel Vehicle considering the Real Driving Conditions and Development of Derivation System for Applying Dynamometer Using Drive Motor's Dynamic Load Torque. <i>Transactions of the Korean Society of Automotive Engineers</i> , 2016, 24, 294-301.	0.3	0
99	Fuel Cells: Ultrathin YSZ Coating on Pt Cathode for High Thermal Stability and Enhanced Oxygen Reduction Reaction Activity (<i>Adv. Energy Mater.</i> 10/2015). <i>Advanced Energy Materials</i> , 2015, 5, .	19.5	0
100	Influence of a platinum functional layer on a Ni-Ce _{0.9} Gd _{0.1} O _{1.95} anode for thin-film solid oxide fuel cells. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, 05E120.	2.1	10
101	Surface engineering of nanoporous substrate for solid oxide fuel cells with atomic layer-deposited electrolyte. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1805-1810.	2.8	16
102	High-performance thin film solid oxide fuel cells with scandia-stabilized zirconia (ScSZ) thin film electrolyte. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 15704-15708.	7.1	54
103	Power management strategy of hybrid electric vehicle using power split ratio line control strategy based on dynamic programming. , 2015, , .		2
104	Engineering of the electrode structure of thin film solid oxide fuel cells. <i>Thin Solid Films</i> , 2015, 584, 125-129.	1.8	46
105	Plasma-Enhanced Atomic Layer Deposition of Nanoscale Ytria-Stabilized Zirconia Electrolyte for Solid Oxide Fuel Cells with Porous Substrate. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2998-3002.	8.0	103
106	A predictive driving control strategy of electric vehicles for energy saving. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 197-202.	2.2	18
107	Method for estimating temperature of 4WD coupling device wet clutches in severe operating condition. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 185-190.	2.2	8
108	Ultrathin YSZ Coating on Pt Cathode for High Thermal Stability and Enhanced Oxygen Reduction Reaction Activity. <i>Advanced Energy Materials</i> , 2015, 5, 1402251.	19.5	89

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109	Atomic layer deposition of ultrathin blocking layer for low-temperature solid oxide fuel cell on nanoporous substrate. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	24
110	Parametric study of Y-doped BaZrO ₃ thin film deposited via pulsed laser deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	9
111	Evaluation of regenerative braking effect for E-REV bus according to characteristic of driving cycle. International Journal of Precision Engineering and Manufacturing - Green Technology, 2015, 2, 149-155.	4.9	20
112	Doped ceria anode interlayer for low-temperature solid oxide fuel cells with nanothin electrolyte. Thin Solid Films, 2015, 591, 250-254.	1.8	18
113	Effect of the thickness of sputtered gadolinia-doped ceria as a cathodic interlayer in solid oxide fuel cells. Thin Solid Films, 2015, 584, 120-124.	1.8	22
114	Characterization of atomic layer deposited and sputtered yttria-stabilized-zirconia thin films for low-temperature solid oxide fuel cells. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2229-2234.	2.2	14
115	Intermediate-Temperature Solid-Oxide Fuel Cells with a Gadolinium-Doped Ceria Anodic Functional Layer Deposited via Radio-Frequency Sputtering. Journal of Nanoscience and Nanotechnology, 2015, 15, 8926-8930.	0.9	3
116	Analysis of Regenerative Braking Effect for E-REV Bus According to Driving Cycle Based on Simulation. , 2014, , .		0
117	A Power Management Strategy for Hybrid Buses Using Measured Driving Route Information. , 2014, , .		3
118	An Intelligent Energy Management Strategy of Hybrid Vehicles Based on Traffic Preview Information. , 2014, , .		0
119	Development of PMP-Based Power Management Strategy for a Series Hybrid Electric Bus. , 2014, , .		7
120	Dry Type Engine Clutch Control for a Parallel HEV at Launch Start Condition. , 2014, , .		1
121	Post-Annealing of Thin-Film Yttria Stabilized Zirconia Electrolytes for Anode-Supported Low-Temperature Solid Oxide Fuel Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 9294-9299.	0.9	12
122	High performance Bi-layered electrolytes via atomic layer deposition for solid oxide fuel cells. Journal of Power Sources, 2014, 253, 114-122.	7.8	33
123	Fabrication of the large area thin-film solid oxide fuel cells. CIRP Annals - Manufacturing Technology, 2014, 63, 513-516.	3.6	36
124	Analysis of operational characteristics of polymer electrolyte fuel cell with expanded graphite flow-field plates via electrochemical impedance investigation. Energy, 2014, 66, 77-81.	8.8	15
125	A study on properties of yttrium-stabilized zirconia thin films fabricated by different deposition techniques. Renewable Energy, 2014, 65, 202-206.	8.9	26
126	Nanostructuring methods for enhancing light absorption rate of Si-based photovoltaic devices: A review. International Journal of Precision Engineering and Manufacturing - Green Technology, 2014, 1, 67-74.	4.9	29

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127	An objective method of driveability evaluation using a simulation model for hybrid electric vehicles. International Journal of Precision Engineering and Manufacturing, 2014, 15, 219-226.	2.2	16
128	Development of PMP-based power management strategy for a parallel hybrid electric bus. International Journal of Precision Engineering and Manufacturing, 2014, 15, 345-353.	2.2	24
129	Transient modeling and validation of lithium ion battery pack with air cooled thermal management system for electric vehicles. International Journal of Automotive Technology, 2014, 15, 795-803.	1.4	43
130	Development of an evaluation method for quantitative driveability in heavy-duty vehicles. Journal of Mechanical Science and Technology, 2014, 28, 1615-1621.	1.5	13
131	Comparison of PMP and DP in fuel cell hybrid vehicles. International Journal of Automotive Technology, 2014, 15, 117-123.	1.4	13
132	Realization of pmp-based control for hybrid electric vehicles in a backward-looking simulation. International Journal of Automotive Technology, 2014, 15, 625-635.	1.4	59
133	Power source sizing of fuel cell hybrid vehicles considering vehicle performance and cost. International Journal of Precision Engineering and Manufacturing, 2014, 15, 527-533.	2.2	20
134	PMP-based power management strategy for two-state variable FCHV systems and its optimality. International Journal of Precision Engineering and Manufacturing, 2014, 15, 769-776.	2.2	5
135	Ultra compact direct hydrogen fuel cell prototype using a metal hydride hydrogen storage tank for a mobile phone. Applied Energy, 2014, 134, 382-391.	10.1	29
136	Performance enhancement in bendable fuel cell using highly conductive Ag nanowires. International Journal of Hydrogen Energy, 2014, 39, 7422-7427.	7.1	69
137	Application of dense nano-thin platinum films for low-temperature solid oxide fuel cells by atomic layer deposition. International Journal of Hydrogen Energy, 2014, 39, 12402-12408.	7.1	41
138	Multi-component nano-composite electrode for SOFCs via thin film technique. Renewable Energy, 2014, 65, 130-136.	8.9	18
139	Evaluation of Fuel Economy and Performance for 2WD and 4WD Hybrid Electric Vehicle Based on Backward Simulation. Transactions of the Korean Society of Automotive Engineers, 2014, 22, 174-182.	0.3	3
140	Bendable polymer electrolyte fuel cell using highly flexible Ag nanowire percolation network current collectors. Journal of Materials Chemistry A, 2013, 1, 8541.	10.3	90
141	Component sizing and engine optimal operation line analysis for a plug-in hybrid electric transit bus. International Journal of Automotive Technology, 2013, 14, 459-469.	1.4	32
142	PMP-based power management strategy of fuel cell hybrid vehicles considering multi-objective optimization. International Journal of Precision Engineering and Manufacturing, 2013, 14, 845-853.	2.2	40
143	Air-breathing flexible Polydimethylsiloxane (PDMS)-based fuel cell. International Journal of Precision Engineering and Manufacturing, 2013, 14, 501-504.	2.2	21
144	Fabrication of low-temperature solid oxide fuel cells with a nanothin protective layer by atomic layer deposition. Nanoscale Research Letters, 2013, 8, 48.	5.7	54

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145	Performance enhancement of thin-film ceramic electrolyte fuel cell using bi-layered yttrium-doped barium zirconate. <i>Thin Solid Films</i> , 2013, 539, 117-121.	1.8	13
146	Characterization of porous Pt films deposited via sputtering. <i>Applied Surface Science</i> , 2013, 282, 463-466.	6.1	45
147	The effect of battery temperature on total fuel consumption of fuel cell hybrid vehicles. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5192-5200.	7.1	18
148	Pulsed laser deposition of Y-doped BaZrO ₃ thin film as electrolyte for low temperature solid oxide fuel cells. <i>CIRP Annals - Manufacturing Technology</i> , 2013, 62, 563-566.	3.6	18
149	Influence of target to substrate distance on properties of Y-doped BaZrO ₃ thin films grown by pulsed laser deposition. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 839-843.	2.2	7
150	Thin film solid oxide fuel cell using a pinhole-free and dense Y-doped BaZrO ₃ . <i>Thin Solid Films</i> , 2013, 534, 286-290.	1.8	27
151	Low temperature solid oxide fuel cells with proton-conducting Y:BaZrO ₃ electrolyte on porous anodic aluminum oxide substrate. <i>Thin Solid Films</i> , 2013, 544, 125-128.	1.8	17
152	Analysis of fuel economy and battery life depending on the types of HEV using dynamic programming. , 2013, , .		3
153	Engine clutch pressure command control for a parallel hybrid vehicle at launching when traction motor failed. , 2013, , .		2
154	Augmentation Method of Triple Phase Boundary in Thin Film Solid Oxide Fuel Cell via Physical Vapor Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7834-7838.	0.9	8
155	Analysis of Fuel Economy and Battery Life depending on the Types of HEV using Dynamic Programming. <i>World Electric Vehicle Journal</i> , 2013, 6, 320-324.	3.0	0
156	Development of Integrated Control Logic of Wheel Motor Drive Electric Bus considering Stability and Driving Performance. <i>Transactions of the Korean Society of Automotive Engineers</i> , 2013, 21, 40-48.	0.3	4
157	Analysis of Fuel Economy Sensitivity for Parallel Hybrid Bus according to Variation of Simulation Input Parameter. <i>Transactions of the Korean Society of Automotive Engineers</i> , 2013, 21, 92-99.	0.3	2
158	Optimal Equivalent Fuel Consumption for Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , 2012, 20, 817-825.	5.2	128
159	Metal-coated polycarbonate monopolar plates for portable fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18471-18475.	7.1	10
160	Fuel consumption of fuel cell hybrid vehicles considering battery SOC differences. <i>International Journal of Automotive Technology</i> , 2012, 13, 979-985.	1.4	8
161	Graphite foil based assembled bipolar plates for polymer electrolyte fuel cells. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012, 13, 2183-2186.	2.2	12
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