

Yong-Gun Shul

List of Publications by Year in descending order

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209
papers

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citations

61984

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211
docs citations

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times ranked

7343
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#	ARTICLE	IF	CITATIONS
1	Effects of Fe ₂ O ₃ doping on structural and electrical properties of 8 mol% yttria-stabilized zirconia electrolyte for solid oxide fuel cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 3208-3214.	2.2	5
2	Harnessing Strong Metal-Support Interaction to Proliferate the Dry Reforming of Methane Performance by In Situ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12140-12148.	8.0	19
3	Nano-Composite Filler of Heteropolyacid-Imidazole Modified Mesoporous Silica for High Temperature PEMFC at Low Humidity. <i>Nanomaterials</i> , 2022, 12, 1230.	4.1	2
4	Thermally stable imidazole/heteropoly acid composite as a heterogeneous catalyst for m-xylene ammoxidation. <i>Research on Chemical Intermediates</i> , 2021, 47, 287-302.	2.7	11
5	Au Coated Printed Circuit Board Current Collectors Using a Pulse Electroplating Method for Fuel Cell Applications. <i>Energies</i> , 2021, 14, 4960.	3.1	2
6	Replacement of Ca by Ni in a Perovskite Titanate to Yield a Novel Perovskite Exsolution Architecture for Oxygen-Evolution Reactions. <i>Advanced Energy Materials</i> , 2020, 10, 1903693.	19.5	53
7	Cross-Linked PVA/PAA Fibrous Web Composite Membrane for Enhanced Performance of PEM Fuel Cells under High-Temperature and Low-Humidity Conditions. <i>Journal of Chemical Engineering of Japan</i> , 2020, 53, 569-575.	0.6	1
8	Positional influence of Ru on Perovskite structured catalysts for efficient H ₂ production process by heavy-hydrocarbon source. <i>Applied Catalysis A: General</i> , 2019, 582, 117111.	4.3	10
9	Poly(ether imide) nanofibrous web composite membrane with SiO ₂ /heteropolyacid ionomer for durable and high-temperature polymer electrolyte membrane (PEM) fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 74, 7-13.	5.8	15
10	Transparent Bendable Secondary Zinc-Air Batteries by Controlled Void Ionic Separators. <i>Scientific Reports</i> , 2019, 9, 3175.	3.3	17
11	Effects of dispersed copper nanoparticles on Ni-ceria based dry methanol fuelled low temperature solid oxide fuel cells. <i>RSC Advances</i> , 2019, 9, 6320-6327.	3.6	8
12	Core-shell nanostructured heteropoly acid-functionalized metal-organic frameworks: Bifunctional heterogeneous catalyst for efficient biodiesel production. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 51-59.	20.2	115
13	Role of Nitrogen-Doped Carbon Nanofibers Inside Polymer Membranes for Enhancing Fuel Cell Performance. <i>Energy Technology</i> , 2018, 6, 998-1002.	3.8	3
14	Coke-tolerant La ₂ Sn ₂ O ₇ -Ni-Gd _{0.1} Ce _{0.9} O _{1.95} composite anode for direct methane-fueled solid oxide fuel cells. <i>Journal of Electroceramics</i> , 2018, 40, 323-331.	2.0	2
15	One-step fabrication of surface-decorated inorganic nanowires via single-nozzle electrospinning. <i>Ceramics International</i> , 2018, 44, 11858-11861.	4.8	3
16	Partially Fluorinated Multiblock Poly(arylene ether sulfone) Membranes for Fuel Cell Applications. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700650.	3.6	7
17	Ag-loaded cerium-zirconium solid solution oxide nano-fibrous webs and their catalytic activity for soot and CO oxidation. <i>Fuel</i> , 2018, 212, 395-404.	6.4	39
18	Characteristics of Ba(Zr _{0.1} Ce _{0.7} Y _{0.2})O _{3-δ} nano-powders synthesized by different wet-chemical methods for solid oxide fuel cells. <i>Ceramics International</i> , 2018, 44, 433-437.	4.8	14

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19	Oxideâ€“Carbon Nanofibrous Composite Support for a Highly Active and Stable Polymer Electrolyte Membrane Fuel-Cell Catalyt. ACS Nano, 2018, 12, 6819-6829.	14.6	43
20	Next-generation flexible solid oxide fuel cells with high thermomechanical stability. Journal of Materials Chemistry A, 2018, 6, 18018-18024.	10.3	9
21	Performance of a MEA using patterned membrane with a directly coated electrode by the bar-coating method in a direct methanol fuel cell. International Journal of Hydrogen Energy, 2018, 43, 11386-11396.	7.1	12
22	Synthesis of Durable Small-sized Bilayer Au@Pt Nanoparticles for High Performance PEMFC Catalysts. Electrochimica Acta, 2017, 228, 389-397.	5.2	18
23	Corn-cob like nanofibres as cathode catalysts for an effective microstructure design in solid oxide fuel cells. Journal of Materials Chemistry A, 2017, 5, 3966-3973.	10.3	29
24	Facile isomerization of glucose into fructose using anion-exchange resins in organic solvents and application to direct conversion of glucose into furan compounds. Research on Chemical Intermediates, 2017, 43, 5495-5506.	2.7	10
25	Design of active Pt on TiO ₂ based nanofibrous cathode for superior PEMFC performance and durability at high temperature. Applied Catalysis B: Environmental, 2017, 204, 421-429.	20.2	69
26	Phosphate-Modified TiO ₂ /ZrO ₂ Nanofibrous Web Composite Membrane for Enhanced Performance and Durability of High-Temperature Proton Exchange Membrane Fuel Cells. Energy & Fuels, 2017, 31, 7645-7652.	5.1	48
27	Efficient methane reforming at proper reaction environment for the highly active and stable fibrous perovskite catalyst. Fuel, 2017, 207, 493-502.	6.4	10
28	Autothermal reforming of heavy-hydrocarbon fuels by morphology controlled perovskite catalysts using carbon templates. Fuel, 2017, 187, 446-456.	6.4	16
29	Silver and manganese oxide catalysts supported on mesoporous ZrO ₂ nanofiber mats for catalytic removal of benzene and diesel soot. Catalysis Today, 2017, 281, 460-466.	4.4	45
30	Quantitative Structureâ€“Relative Volatility Relationship Model for Extractive Distillation of Ethylbenzene/Xylene Mixtures: Application to Binary and Ternary Mixtures as Extractive Agents. Bulletin of the Korean Chemical Society, 2016, 37, 548-555.	1.9	5
31	Selective Ion Transporting Polymerized Ionic Liquid Membrane Separator for Enhancing Cycle Stability and Durability in Secondary Zincâ€“Air Battery Systems. ACS Applied Materials & Interfaces, 2016, 8, 26298-26308.	8.0	69
32	Synthesis and application of hexagonal perovskite BaNiO ₃ with quadrivalent nickel under atmospheric and low-temperature conditions. Chemical Communications, 2016, 52, 10731-10734.	4.1	13
33	Optimization of the Pd-Fe-Mo Catalysts for Oxygen Reduction Reaction in Proton-Exchange Membrane Fuel Cells. Electrochimica Acta, 2016, 220, 29-35.	5.2	22
34	Pre-reforming of n-tetradecane over Ni/MgOâ€“Al ₂ O ₃ catalyst: effect of added potassium on the coke resistance. Research on Chemical Intermediates, 2016, 42, 4317-4332.	2.7	1
35	Prereforming of n-tetradecane over Ce-promoted 50Âwt% Ni/MgOâ€“Al ₂ O ₃ catalyst with high coke resistance. Research on Chemical Intermediates, 2016, 42, 237-248.	2.7	1
36	Enhancement of catalytic durability through nitrogen-doping treatment on the CNF-derivatized ACF support for high temperature PEMFC. International Journal of Hydrogen Energy, 2016, 41, 6864-6876.	7.1	20

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37	The particle size effect of N-doped mesoporous carbons as oxygen reduction reaction catalysts for PEMFC. Korean Journal of Chemical Engineering, 2016, 33, 1831-1836.	2.7	9
38	Doping effect of boron and phosphorus on nitrogen-based mesoporous carbons as electrocatalysts for oxygen reduction reaction in acid media. Journal of Solid State Electrochemistry, 2016, 20, 645-655.	2.5	17
39	Three-dimensional arrangements of perovskite-type oxide nano-fiber webs for effective soot oxidation. Applied Catalysis B: Environmental, 2016, 191, 157-164.	20.2	110
40	Platinum catalysts protected by N-doped carbon for highly efficient and durable polymer-electrolyte membrane fuel cells. Electrochimica Acta, 2016, 193, 191-198.	5.2	14
41	Low-temperature co-firing process of solid oxide fuel cells by a trace of copper. International Journal of Hydrogen Energy, 2016, 41, 4792-4798.	7.1	2
42	Design of a high temperature chemical vapor deposition reactor in which the effect of the condensation of exhaust gas in the outlet is minimized using computational modeling. Journal of Crystal Growth, 2016, 435, 84-90.	1.5	3
43	Durable and High-Performance Direct-Methane Fuel Cells with Coke-Tolerant Ceria-Coated Ni Catalysts at Reduced Temperatures. Electrochimica Acta, 2016, 191, 677-686.	5.2	29
44	A New Family of Perovskite Catalysts for Oxygen-Evolution Reaction in Alkaline Media: BaNiO_{3-x} and $\text{BaNi}_{0.83-x}\text{O}_{2.5-x}$. Journal of the American Chemical Society, 2016, 138, 3541-3547.	13.7	204
45	One-step synthesis of dual-transition metal substitution on ionic liquid based N-doped mesoporous carbon for oxygen reduction reaction. Carbon Letters, 2016, 17, 53-64.	5.9	6
46	Electrospun Poly(Ether Sulfone) Membranes Impregnated with Nafion for High-Temperature Polymer Electrolyte Membrane Fuel Cells. Journal of the Korean Electrochemical Society, 2016, 19, 9-13.	0.1	0
47	Interface-designed Membranes with Shape-controlled Patterns for High-performance Polymer Electrolyte Membrane Fuel Cells. Scientific Reports, 2015, 5, 16394.	3.3	50
48	Effects of Microwave Treatment on Carbon Electrode for Vanadium Redox Flow Battery. ChemElectroChem, 2015, 2, 872-876.	3.4	22
49	Accelerated life-time test protocols for polymer electrolyte membrane fuel cells operated at high temperature. International Journal of Hydrogen Energy, 2015, 40, 3057-3067.	7.1	44
50	Effects of 8mol% yttria-stabilized zirconia with copper oxide on solid oxide fuel cell performance. Ceramics International, 2015, 41, 7982-7988.	4.8	22
51	Highly dispersed nickel catalyst promoted by precious metals for CO selective methanation. International Journal of Hydrogen Energy, 2015, 40, 10033-10040.	7.1	18
52	Evaluation of $\text{M}(\text{M}=\text{V}, \text{Cr})$ -xylene ammoxidation at bench-scale operation in the presence of $\text{V}_2\text{O}_5/\text{Al}_2\text{O}_3$ catalyst. Canadian Journal of Chemical Engineering, 2015, 93, 881-887.	1.7	3
53	Ag supported on electrospun macro-structure CeO_2 fibrous mats for diesel soot oxidation. Applied Catalysis B: Environmental, 2015, 174-175, 185-192.	20.2	97
54	A study on the electrochemical performance of 100-cm ² class direct carbon-molten carbonate fuel cell (DC-MCFC). International Journal of Hydrogen Energy, 2015, 40, 5144-5149.	7.1	14

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55	The Effect of Y at Ni-YSZ Catalysts for the Application to the Process of Methane Chemical-Looping Reforming. Transactions of the Korean Hydrogen and New Energy Society, 2015, 26, 516-523.	0.6	0
56	Crystallization of polycarbonate in solvent/nonsolvent system and its application to high-density polyethylene composite as a filler. Polymer Engineering and Science, 2014, 54, 1893-1899.	3.1	6
57	Solvent screening for the separation of ethylbenzene and p-xylene by extractive distillation. Korean Journal of Chemical Engineering, 2014, 31, 1824-1830.	2.7	12
58	Enhancement of electrochemical properties through high-temperature treatment of CNF grown on ACF support for PEMFC. Electrochimica Acta, 2014, 134, 49-54.	5.2	16
59	Physical and electrochemical properties of $(\text{La}_{0.3}\text{Sr}_{0.7})_{0.93}\text{TiO}_3$ synthesized by Pechini method as an anode material for solid oxide fuel cells. Journal of Sol-Gel Science and Technology, 2014, 69, 148-154.	2.4	6
60	Effect of number of cross-linkable sites on proton conducting, pore-filling membranes. Journal of Membrane Science, 2014, 460, 178-184.	8.2	16
61	Electrochemical characteristics of electrospun $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ - $\text{Gd}_{0.1}\text{Ce}_{0.9}\text{O}_{1.95}$ cathode. Ceramics International, 2014, 40, 8053-8060.	4.8	17
62	Nano-Composite $\text{Ni-Gd}_{0.1}\text{Ce}_{0.9}\text{O}_{1.95}$ Anode Functional Layer for Low Temperature Solid Oxide Fuel Cells. Electrochimica Acta, 2014, 129, 100-106.	5.2	22
63	A facile preparation method of surface patterned polymer electrolyte membranes for fuel cell applications. Journal of Materials Chemistry A, 2014, 2, 8652-8659.	10.3	60
64	Quantitative Structure Relative Volatility Relationship Model for Extractive Distillation of Ethylbenzene/ <i>p</i> -Xylene Mixtures. Industrial & Engineering Chemistry Research, 2014, 53, 11159-11166.	3.7	8
65	Direct spun aligned carbon nanotube web-reinforced proton exchange membranes for fuel cells. RSC Advances, 2014, 4, 32787-32790.	3.6	21
66	Silicon carbide fiber-reinforced composite membrane for high-temperature and low-humidity polymer exchange membrane fuel cells. International Journal of Hydrogen Energy, 2014, 39, 16474-16485.	7.1	21
67	Temperature-dependent performance of the polymer electrolyte membrane fuel cell using short-side-chain perfluorosulfonic acid ionomer. International Journal of Hydrogen Energy, 2014, 39, 11690-11699.	7.1	36
68	A performance study of hybrid direct carbon fuel cells: Impact of anode microstructure. International Journal of Hydrogen Energy, 2014, 39, 11749-11755.	7.1	31
69	Accelerated Life-time Tests including Different Load Cycling Protocols for High Temperature Polymer Electrolyte Membrane Fuel Cells. Electrochimica Acta, 2014, 148, 15-25.	5.2	35
70	Preparation of nano-zeolite tubular membrane for ethylbenzene separation from ternary mixed xylene by microwave functional coating method. Journal of Porous Materials, 2014, 21, 177-187.	2.6	1
71	Enhancement of the electrochemical membrane electrode assembly in proton exchange membrane fuel cells through direct microwave treatment. Journal of Power Sources, 2014, 263, 46-51.	7.8	8
72	Sulfuric acid decomposition on the Pt/n-SiC catalyst for SI cycle to produce hydrogen. International Journal of Hydrogen Energy, 2014, 39, 4181-4188.	7.1	33

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73	Pd catalyzed Sr _{0.92} Y _{0.08} TiO ₃ ~Îr/Sm _{0.2} Ce _{0.8} O ₂ ~Îr anodes in solid oxide fuel cells. <i>Ceramics International</i> , 2014, 40, 8237-8244.	4.8	11
74	Characterization and analysis of vanadium and nickel species in atmospheric residues. <i>Fuel</i> , 2014, 117, 783-791.	6.4	27
75	Tailoring gadolinium-doped ceria-based solid oxide fuel cells to achieve 2~W~cm ² at 550~°C. <i>Nature Communications</i> , 2014, 5, 4045.	12.8	193
76	Fabrication of Surface~Patterned Membranes by Means of a ZnO Nanorod Templating Method for Polymer Electrolyte Membrane Fuel~Cell Applications. <i>ChemPlusChem</i> , 2014, 79, 1109-1115.	2.8	13
77	Fabrication of anode-supported tubular Ba(Zr _{0.1} Ce _{0.7} Y _{0.2})O ₃ ~Îr cell for intermediate temperature solid oxide fuel cells. <i>Ceramics International</i> , 2014, 40, 1513-1518.	4.8	26
78	Avatar DNA Nanohybrid System in Chip-on-a-Phone. <i>Scientific Reports</i> , 2014, 4, 4879.	3.3	28
79	Nafion/Graphene Oxide Layered Structure Membrane for the Vanadium Redox Flow Battery. <i>Science of Advanced Materials</i> , 2014, 6, 1445-1452.	0.7	9
80	Application of GDC-YDB bilayer and LSM-YDB cathode for intermediate temperature solid oxide fuel cells. <i>Journal of Electroceramics</i> , 2013, 31, 231-237.	2.0	11
81	SiO ₂ /sulfonated poly ether ether ketone (SPEEK) composite nanofiber mat supported proton exchange membranes for fuel cells. <i>Journal of Materials Science</i> , 2013, 48, 3665-3671.	3.7	87
82	Nitrogen-doped ordered porous carbon catalyst for oxygen reduction reaction in proton exchange membrane fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2567-2577.	2.5	19
83	Performance evaluation of anode-supported Gd _{0.1} Ce _{0.9} O _{1.95} cell with electrospun La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ ~Îr-Gd _{0.1} Ce _{0.9} O _{1.95} cathode. <i>Electrochimica Acta</i> , 2013, 108, 356-360.	5.2	23
84	Radiation-induced crosslinking of poly(styrene~butadiene~styrene) block copolymers and their sulfonation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 316, 71-75.	1.4	11
85	Sulfuric acid decomposition on Pt/SiC-coated-alumina catalysts for SI cycle hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6205-6209.	7.1	29
86	Catalytic activity and characterization of V ₂ O ₅ /Î³-Al ₂ O ₃ for ammoxidation of m-xylene system. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1566-1570.	2.7	8
87	Activity and active sites of nitrogen-doped carbon nanotubes for oxygen reduction reaction. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 387-397.	2.9	46
88	A novel cathodic electrolyte based on H ₂ C ₂ O ₄ for a stable vanadium redox flow battery with high charge~discharge capacities. <i>RSC Advances</i> , 2013, 3, 21347.	3.6	18
89	Direct methane fuel cell with La ₂ Sn ₂ O ₇ ~Ni~Gd _{0.1} Ce _{0.9} O _{1.95} anode and electrospun La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ ~Îr~Gd _{0.1} Ce _{0.9} O _{1.95} cathode. <i>RSC Advances</i> , 2013, 3, 11816.	3.6	15
90	Hollow Fibers Networked with Perovskite Nanoparticles for H ₂ Production from Heavy Oil. <i>Scientific Reports</i> , 2013, 3, 2902.	3.3	35

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91	Photocatalytic Application of Au-TiO ₂ Immobilized in Polycarbonate Film. Industrial & Engineering Chemistry Research, 2013, 52, 17907-17912.	3.7	8
92	Fabrication of Electrospun SiC Fibers Web/Phenol Resin Composites for the Application to High Thermal Conducting Substrate. Journal of Nanoscience and Nanotechnology, 2013, 13, 3307-3312.	0.9	8
93	Pt Nanoparticle-Reduced Graphene Oxide Nanohybrid for Proton Exchange Membrane Fuel Cells. Journal of Nanoscience and Nanotechnology, 2012, 12, 5669-5672.	0.9	13
94	Rubbery copolymer electrolytes containing polymerized ionic liquid for dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2012, 16, 3037-3043.	2.5	29
95	Sr _{0.92} Y _{0.08} TiO ₃ δ /Sm _{0.2} Ce _{0.8} O ₂ δ anode for solid oxide fuel cells running on methane. International Journal of Hydrogen Energy, 2012, 37, 16130-16139.	7.1	32
96	Preparation of poly(vinylidene fluoride) nanocomposite membranes based on graft polymerization and sol-gel process for polymer electrolyte membrane fuel cells. Journal of Solid State Electrochemistry, 2012, 16, 1405-1414.	2.5	9
97	Thermal Conducting Behavior of Composites of Conjugated Short Fibrous-SiC Web with Different Filler Fraction. Journal of the Korean Ceramic Society, 2012, 49, 549-555.	2.3	1
98	Multicomponent Proton Conducting Ceramics of SiO ₂ -TiO ₂ -ZrO ₂ -P ₂ O ₅ -Bi ₂ O ₃ for an Intermediate Temperature Fuel Cell. Journal of Fuel Cell Science and Technology, 2011, 8, .	0.8	1
99	Sepiolite, Sepiolite-Like Nanoclay Derived from Hydrotalcite-Like Layered Double Hydroxide. Journal of Nanoscience and Nanotechnology, 2011, 11, 382-385.	0.9	6
100	Effects of porous and dense electrode structures of membrane electrode assembly on durability of direct methanol fuel cells. International Journal of Hydrogen Energy, 2011, 36, 15313-15322.	7.1	17
101	Electrosorption of uranium ions on activated carbon fibers. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 833-839.	1.5	44
102	Effect of oligomer on dye-sensitized solar cells employing polymer electrolytes. Korean Journal of Chemical Engineering, 2011, 28, 138-142.	2.7	4
103	N-doped anodic titania nanotube arrays for hydrogen production. Korean Journal of Chemical Engineering, 2011, 28, 1196-1199.	2.7	8
104	Proton conducting grafted/crosslinked membranes prepared from poly(vinylidene) Tj ETQqO O O rgBT /Overlock 10 Tf 50 227 Td (fluoride) 1434-1441.	3.2	10
105	Proton conducting crosslinked polymer electrolyte membranes based on SBS block copolymer. Journal of Applied Polymer Science, 2011, 121, 3283-3291.	2.6	14
106	Proton-conducting nanocomposite membranes based on P(VDF-co-CTFE)-g-PSSA graft copolymer and TiO ₂ -PSSA nanoparticles. International Journal of Hydrogen Energy, 2011, 36, 1820-1827.	7.1	22
107	Investigation of MEA degradation in PEM fuel cell by on/off cyclic operation under different humid conditions. International Journal of Hydrogen Energy, 2011, 36, 1828-1836.	7.1	60
108	UV Screening of Ferulic Acid-Zinc Basic Salt Nanohybrid with Controlled Release Rate. Journal of Nanoscience and Nanotechnology, 2011, 11, 413-416.	0.9	4

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109	10.2478/s11814-009-0312-6. , 2011, 27, 104.		0
110	P-coumaric acidâ€“zinc basic salt nanohybrid for controlled release and sustained antioxidant activity. Journal of Physics and Chemistry of Solids, 2010, 71, 647-649.	4.0	37
111	Nanocomposite proton conducting membranes based on amphiphilic PVDF graft copolymer. Macromolecular Research, 2010, 18, 271-278.	2.4	23
112	Physical degradation of MEA in PEM fuel cell by on/off operation under nitrogen atmosphere. Korean Journal of Chemical Engineering, 2010, 27, 104-109.	2.7	6
113	Preparation of highly ordered TiO ₂ nanotubes on Ti-foil for dye-sensitized solar cells. Research on Chemical Intermediates, 2010, 36, 77-82.	2.7	6
114	Combinatorial investigation of Ptâ€“Ruâ€“Sn alloys as an anode electrocatalysts for direct alcohol fuel cells. International Journal of Hydrogen Energy, 2010, 35, 11261-11270.	7.1	66
115	Hydrogen generation from aqueous acid-catalyzed hydrolysis of sodium borohydride. International Journal of Hydrogen Energy, 2010, 35, 12239-12245.	7.1	41
116	Synthesis and characterization of grafted/crosslinked proton conducting membranes based on amphiphilic PVDF copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1110-1117.	2.1	19
117	Photocatalytic Application of TiO ₂ for Air Cleaning. Nanostructure Science and Technology, 2010, , 415-436.	0.1	0
118	DNA Core@Inorganic Shell. Journal of the American Chemical Society, 2010, 132, 16735-16736.	13.7	67
119	Preparation of Pt Catalysts Supported on ACF with CNF via Catalytic Growth. Carbon Letters, 2010, 11, 38-40.	5.9	9
120	Effect of Calcination Temperature on the Activity and Cobalt Crystallite Size of Fischerâ€“Tropsch Coâ€“Ruâ€“Zr/SiO ₂ Catalyst. Catalysis Letters, 2009, 129, 233-239.	2.6	16
121	Preparation of silica-based proton conductors for intermediate temperature fuel cells. Korean Journal of Chemical Engineering, 2009, 26, 1016-1021.	2.7	4
122	Improved solid oxide fuel cell anodes for the direct utilization of methane using Sn-doped Ni/YSZ catalysts. Catalysis Communications, 2009, 11, 180-183.	3.3	26
123	A Study on the Preparation and Application of Au/TiO ₂ Nanofiber from AAO Template. Journal of the Korean Electrochemical Society, 2009, 12, 47-53.	0.1	0
124	Characterization of Au/MnO _x /TiO ₂ for Photocatalytic Oxidation of Carbon Monoxide. Topics in Catalysis, 2008, 47, 109-115.	2.8	10
125	Investigation of a non-noble composite catalyst for hydrogen release control of ammonia-borane. Research on Chemical Intermediates, 2008, 34, 709-715.	2.7	10
126	Preparation of Pt/C catalyst using alcohol reduction and a polyol process in the presence of urea for oxygen reduction reaction. Research on Chemical Intermediates, 2008, 34, 853-861.	2.7	1

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127	Proton conducting crosslinked membranes by polymer blending of triblock copolymer and poly(vinyl) Tj ETQq1 1 0,784314 rgBT /Overdo	2.4	22
128	Process intensification by micro-channel reactor for steam reforming of methanol. Chemical Engineering Journal, 2008, 135, 113-119.	12.7	37
129	Growth and characterization of carbon-supported MnO ₂ nanorods for supercapacitor electrode. Physica B: Condensed Matter, 2008, 403, 1763-1769.	2.7	48
130	Preparation and photocatalytic properties of Cr/Ti hollow spheres. Materials Chemistry and Physics, 2008, 108, 154-159.	4.0	16
131	Crystallization and dielectric properties of low temperature dielectrics containing Li ₂ O filler. Journal of Non-Crystalline Solids, 2008, 354, 3849-3853.	3.1	5
132	Effect of metal and glycol on mechanochemical dechlorination of polychlorinated biphenyls (PCBs). Chemosphere, 2008, 73, 138-141.	8.2	43
133	Fe ₃ O ₄ @ Polypyrrole Core-Shell Nanohybrid for Efficient DNA Retrieval. Journal of Nanoscience and Nanotechnology, 2008, 8, 5014-5017.	0.9	13
134	Development of Intermediate Temperature Fuel Cell Using a Solid Proton Conductor. Journal of the Korean Electrochemical Society, 2008, 11, 22-32.	0.1	3
135	Composites of Proton-Conducting Polymer Electrolyte Membrane in Direct Methanol Fuel Cells. Critical Reviews in Solid State and Materials Sciences, 2007, 32, 51-66.	12.3	22
136	Methanol Reforming Processes. Advances in Fuel Cells, 2007, , 419-472.	0.9	13
137	Magnetic poly ϵ -caprolactone nanoparticles containing Fe ₃ O ₄ and gemcitabine enhance anti-tumor effect in pancreatic cancer xenograft mouse model. Journal of Drug Targeting, 2007, 15, 445-453.	4.4	71
138	Formation and evaluation of semi-IPN of nafion 117 membrane for direct methanol fuel cell. Journal of Power Sources, 2007, 171, 86-91.	7.8	53
139	Influence of Mg doping on the performance of LiNiO ₂ matrix ceramic nanoparticles in high-voltage lithium-ion cells. Journal of Power Sources, 2007, 171, 922-927.	7.8	46
140	Carbon-supported, nano-structured, manganese oxide composite electrode for electrochemical supercapacitor. Journal of Power Sources, 2007, 173, 1024-1028.	7.8	110
141	A simple synthesis of magnetically modified zeolite. Powder Technology, 2007, 177, 99-101.	4.2	25
142	Photoluminescence of La/Ti mixed oxides prepared using sol-gel process and their pCBA photodecomposition. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 156-160.	3.9	33
143	A study on UV-curable coatings for HD-DVD: Primer and top coats. Progress in Organic Coatings, 2007, 59, 106-114.	3.9	25
144	Catalytic Systems for the H ₂ S Wet Oxidation at room Temperature. Catalysis Surveys From Asia, 2007, 11, 134-144.	2.6	5

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145	Preparation of TiO ₂ /SiO ₂ hollow spheres and their activity in methylene blue photodecomposition. Korean Journal of Chemical Engineering, 2007, 24, 596-599.	2.7	18
146	Mechanism of manganese (mono and di) telluride thin-film formation and properties. Physica B: Condensed Matter, 2007, 390, 314-319.	2.7	14
147	Preparation of Pt/zeoliteâ€Nafion composite membranes for self-humidifying polymer electrolyte fuel cells. Journal of Power Sources, 2007, 165, 733-738.	7.8	51
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