

Han-Sung Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1562690/publications.pdf>

Version: 2024-02-01

111
papers

4,493
citations

101384

36
h-index

114278

63
g-index

113
all docs

113
docs citations

113
times ranked

5899
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Stable Zn Metal Anodes with Limited Zn-Doping in MgF ₂ Interphase for Fast and Uniformly Ionic Flux. Nano-Micro Letters, 2022, 14, 46. | 14.4 | 23 |
| 2 | Development of Nitrogen Doped Carbon Supported PtNi Alloy with a Pt Shell for the Production of Impurity-Free V ^{3.5+} Electrolyte for Vanadium Redox Flow Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 6181-6189. | 3.2 | 2 |
| 3 | Ionomer immobilized onto nitrogen-doped carbon black as efficient and durable electrode binder and electrolyte for polymer electrolyte fuel cells. Electrochimica Acta, 2022, 421, 140427. | 2.6 | 1 |
| 4 | Effect of operating cell voltage on the NaCl poisoning mechanism in polymer electrolyte membrane fuel cells. Journal of Power Sources, 2022, 538, 231590. | 4.0 | 3 |
| 5 | Tailoring percolative conduction networks and reaction interfaces via infusion of polymeric ionic conductor for high-performance solid-state batteries. Chemical Engineering Journal, 2021, 408, 127274. | 6.6 | 5 |
| 6 | Improved photoelectrochemical properties of TiO ₂ nanotubes doped with Er and effects on hydrogen production from water splitting. Chemosphere, 2021, 267, 129289. | 4.2 | 34 |
| 7 | Regenerative Electrocatalytic Redox Cycle of Copper Sulfide for Sustainable NH ₃ Production under Ambient Conditions. ACS Catalysis, 2021, 11, 435-445. | 5.5 | 43 |
| 8 | Tuning the hierarchical pore structure of graphene oxide through dual thermal activation for high-performance supercapacitor. Scientific Reports, 2021, 11, 2063. | 1.6 | 36 |
| 9 | Maximizing Redox Charge Storage via Cation (V) ⁺ Anion (S) Dual Doping on Nickel Diselenide Nanodiscs for Hybrid Supercapacitors. ACS Applied Energy Materials, 2021, 4, 2430-2439. | 2.5 | 19 |
| 10 | Electrochemical Nitrogen Reduction Kinetics on a Copper Sulfide Catalyst for NH ₃ Synthesis at Low Temperature and Atmospheric Pressure. ACS Applied Materials & Interfaces, 2021, 13, 24593-24603. | 4.0 | 22 |
| 11 | Preparation of CO-tolerant PtRuNi/C ternary electrocatalyst having a composition gradient shell. Chemical Engineering Journal, 2021, 414, 128792. | 6.6 | 13 |
| 12 | High crystallinity design of Ir-based catalysts drives catalytic reversibility for water electrolysis and fuel cells. Nature Communications, 2021, 12, 4271. | 5.8 | 75 |
| 13 | A novel synthesis of 2D porous ZnCo ₂ O ₄ nanoflakes using deep eutectic solvent for high-performance asymmetric supercapacitors. Journal of Electroanalytical Chemistry, 2021, 892, 115299. | 1.9 | 17 |
| 14 | Development of Activated Graphite Felt Electrode Using Ozone and Ammonia Consecutive Post Treatments for Vanadium Redox Flow Batteries. Transactions of the Korean Hydrogen and New Energy Society, 2021, 32, 256-262. | 0.1 | 1 |
| 15 | Low-temperature proton-exchange membrane fuel cell-grade hydrogen production by membrane reformer equipped with Pd-composite membrane and methanation catalyst on permeation stream. Journal of Membrane Science, 2021, 634, 119373. | 4.1 | 14 |
| 16 | Enhanced photocatalytic activity of TiO ₂ nanotubes decorated with erbium and reduced graphene oxide. Applied Surface Science, 2021, 565, 150459. | 3.1 | 14 |
| 17 | Effect of an Iodine Film on Charge-Transfer Resistance during the Electro-Oxidation of Iodide in Redox Flow Batteries. ACS Applied Materials & Interfaces, 2021, 13, 6385-6393. | 4.0 | 19 |
| 18 | Vanadium-Incorporated Metallic (1â€) Molybdenum Sulfide Nanoroses for High-Energy-Density Asymmetric Supercapacitors. ChemSusChem, 2020, 13, 221-229. | 3.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Functionalized Zn@ZnO Hexagonal Pyramid Array for Dendrite-Free and Ultrastable Zinc Metal Anodes. <i>Advanced Functional Materials</i> , 2020, 30, 2004210. | 7.8 | 148 |
| 20 | Lichen-like anchoring of MoSe ₂ on functionalized multiwalled carbon nanotubes: an efficient electrode for asymmetric supercapacitors. <i>RSC Advances</i> , 2020, 10, 40092-40105. | 1.7 | 17 |
| 21 | New hybrid redox flow battery with high energy density using Mn/Mn multiple redox couples. <i>Journal of Power Sources</i> , 2020, 451, 227746. | 4.0 | 21 |
| 22 | Coin cell fabricated symmetric supercapacitor device of two-steps synthesized V ₂ O ₅ Nanorods. <i>Journal of Electroanalytical Chemistry</i> , 2020, 864, 114080. | 1.9 | 36 |
| 23 | Deep eutectic solvent-assisted synthesis of RuCo ₂ O ₄ : an efficient positive electrode for hybrid supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3066-3076. | 2.5 | 43 |
| 24 | 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. | 0.3 | 1 |
| 25 | Preparation of carbon-supported Pt-Ru core-shell nanoparticles using carbonized polydopamine and ozone for a CO tolerant electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21588-21596. | 3.8 | 15 |
| 26 | Fuel Consumption and CO ₂ Emission Reductions of Ships Powered by a Fuel-Cell-Based Hybrid Power Source. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 230. | 1.2 | 22 |
| 27 | Three-Dimensional Nitrogen-Doped Hollow Carbon Fiber with a Micro-Scale Diameter as a Binder-Free Oxygen Electrode for Li-O ₂ Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3425-A3431. | 1.3 | 4 |
| 28 | Self-Standing N-Doped Inverse Opal Carbon via Ultrafast Polymerization of Polydopamine and its High Energy Storage Capability in Li-O ₂ Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 7791-7798. | 2.5 | 1 |
| 29 | Application of Carbon Felt as a Flow Distributor for Polymer Electrolyte Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2019, 166, F74-F78. | 1.3 | 16 |
| 30 | Analysis of Internal Gas Leaks in an MCFC System Package for an LNG-Fueled Ship. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2330. | 1.3 | 5 |
| 31 | Synthesis and characterization of a hierarchically structured three-dimensional conducting scaffold for highly stable Li metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12882-12892. | 5.2 | 20 |
| 32 | Characteristics of Human Responses in a Braked Stationary Lead Vehicle during Low-Speed, Rear-End Collisions. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019, 20, 1255-1264. | 1.1 | 5 |
| 33 | Fe ₂ O ₃ anchored on porous N doped carbon derived from green microalgae via spray pyrolysis as anode materials for lithium ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 39-47. | 2.9 | 31 |
| 34 | Li ₄ SiO ₄ -Based Artificial Passivation Thin Film for Improving Interfacial Stability of Li Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8692-8701. | 4.0 | 71 |
| 35 | Analysis of the Effect of MnO ₂ Precipitation on the Performance of a Vanadium/Manganese Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2018, 165, A952-A956. | 1.3 | 22 |
| 36 | Preparation of graphene hollow spheres from vacuum residue of ultra-heavy oil as an effective oxygen electrode for Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4040-4047. | 5.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | A combined approach for high-performance Li ⁺ /O ₂ batteries: A binder-free carbon electrode and atomic layer deposition of RuO ₂ as an inhibitor/promoter. <i>APL Materials</i> , 2018, 6, . | 2.2 | 12 |
| 38 | A Synthetic Route for the Preparation of Core-Shell Nanoparticles Using a Protective Carbon Layer and Ozone Treatment. <i>Journal of the Electrochemical Society</i> , 2018, 165, F285-F290. | 1.3 | 4 |
| 39 | Experimental and theoretical investigations of a newly synthesized azomethine compound as inhibitor for mild steel corrosion in aggressive media: A comprehensive study. <i>Journal of Molecular Liquids</i> , 2018, 259, 199-208. | 2.3 | 25 |
| 40 | Development of a Redox Flow Battery with Multiple Redox Couples at Both Positive and Negative Electrolytes for High Energy Density. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3215-A3220. | 1.3 | 20 |
| 41 | Metabolic alterations in the bone tissues of aged osteoporotic mice. <i>Scientific Reports</i> , 2018, 8, 8127. | 1.6 | 17 |
| 42 | Multilayered, Bipolar, All-Solid-State Battery Enabled by a Perovskite-Based Biphasic Solid Electrolyte. <i>ChemSusChem</i> , 2018, 11, 3184-3190. | 3.6 | 38 |
| 43 | First-principles database driven computational neural network approach to the discovery of active ternary nanocatalysts for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24539-24544. | 1.3 | 37 |
| 44 | Comprehensive adsorption characteristics of a newly synthesized and sustainable anti-corrosion catalyst on mild steel surface exposed to a highly corrosive electrolytic solution. <i>Journal of Molecular Liquids</i> , 2018, 268, 37-48. | 2.3 | 7 |
| 45 | Nitrogen-doped carbon supported platinum catalyst via direct soft nitriding for high-performance polymer electrolyte membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17873-17879. | 3.8 | 10 |
| 46 | Polydopamine-Derived Nitrogen-Doped Graphitic Carbon for a Bifunctional Oxygen Electrode in a Non-Aqueous Li-O ₂ Battery. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1595-A1600. | 1.3 | 17 |
| 47 | Preparation of a Carbon-Supported Pt-Ni Bimetallic Catalyst with a Pt-Rich Shell Using a Dopamine as Protective Coating. <i>Journal of the Electrochemical Society</i> , 2017, 164, F65-F70. | 1.3 | 13 |
| 48 | Euphorbia factor L1 inhibits osteoclastogenesis by regulating cellular redox status and induces Fas-mediated apoptosis in osteoclast. <i>Free Radical Biology and Medicine</i> , 2017, 112, 191-199. | 1.3 | 34 |
| 49 | Synthesis of Activated Graphite Felts Using Short-Term Ozone/Heat Treatment for Vanadium Redox Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3011-A3017. | 1.3 | 24 |
| 50 | Analysis of Carbon Corrosion in Anode under Fuel Starvation Using On-Line Mass Spectrometry in Polymer Electrolyte Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1580-F1586. | 1.3 | 54 |
| 51 | Blocking of the Ubiquitin-Proteasome System Prevents Inflammation-Induced Bone Loss by Accelerating M-CSF Receptor c-Fms Degradation in Osteoclast Differentiation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2054. | 1.8 | 17 |
| 52 | High-Yield One-Pot Recovery and Characterization of Nanostructured Cobalt Oxalate from Spent Lithium-Ion Batteries and Successive Re-Synthesis of LiCoO ₂ . <i>Metals</i> , 2017, 7, 303. | 1.0 | 22 |
| 53 | Sirt6 cooperates with Blimp1 to positively regulate osteoclast differentiation. <i>Scientific Reports</i> , 2016, 6, 26186. | 1.6 | 15 |
| 54 | Development of a glucose oxidase-based biocatalyst adopting both physical entrapment and crosslinking, and its use in biofuel cells. <i>Nanoscale</i> , 2016, 8, 9201-9210. | 2.8 | 59 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Synthesis of Activated Graphite Felt Using Consecutive Post-Treatments for Vanadium Redox Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2586-A2591. | 1.3 | 26 |
| 56 | Tin phosphide-based anodes for sodium-ion batteries: synthesis via solvothermal transformation of Sn metal and phase-dependent Na storage performance. <i>Scientific Reports</i> , 2016, 6, 26195. | 1.6 | 44 |
| 57 | Sirtuin 3 (SIRT3) maintains bone homeostasis by regulating AMPK-PGC-1 β axis in mice. <i>Scientific Reports</i> , 2016, 6, 22511. | 1.6 | 70 |
| 58 | Fabrication of nitrogen-doped graphite felts as positive electrodes using polypyrrole as a coating agent in vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12276-12283. | 5.2 | 82 |
| 59 | Graphite Felt Coated with Dopamine-Derived Nitrogen-Doped Carbon as a Positive Electrode for a Vanadium Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2015, 162, A1675-A1681. | 1.3 | 46 |
| 60 | Preparation of a self-assembled organosilane coating on carbon black as a catalyst support in polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2015, 274, 1140-1146. | 4.0 | 8 |
| 61 | Heavily nitrogen doped, graphene supercapacitor from silk cocoon. <i>Electrochimica Acta</i> , 2015, 160, 244-253. | 2.6 | 172 |
| 62 | Development of Nitrogen-Doped Carbon Catalysts Using Melamine-Based Polymer as a Nitrogen Precursor for the Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2015, 162, F744-F749. | 1.3 | 17 |
| 63 | Optimization of Electrode Structure to Suppress Electrochemical Carbon Corrosion of Gas Diffusion Layer for Unitized Regenerative Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2014, 161, F729-F733. | 1.3 | 19 |
| 64 | Nitrogen-doped carbon catalysts derived from ionic liquids in the presence of transition metals for the oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 355-360. | 10.8 | 45 |
| 65 | Seed treatment with iron pyrite (FeS ₂) nanoparticles increases the production of spinach. <i>RSC Advances</i> , 2014, 4, 58495-58504. | 1.7 | 122 |
| 66 | A novel synthetic route for the preparation of core shell like carbon-supported nanoparticles with a Pt-rich shell. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11635. | 5.2 | 18 |
| 67 | Analysis of Concentration Polarization Using UV-Visible Spectrophotometry in a Vanadium Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1291-A1296. | 1.3 | 23 |
| 68 | Development of nitrogen-doped carbons using the hydrothermal method as electrode materials for vanadium redox flow batteries. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 553-557. | 1.5 | 28 |
| 69 | Modification of electrodes using Al ₂ O ₃ to reduce phosphoric acid loss and increase the performance of high-temperature proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2578. | 5.2 | 27 |
| 70 | Synthesis of core-shell nanoparticles with a Pt nanoparticle core and a silica shell. <i>Current Applied Physics</i> , 2013, 13, 130-136. | 1.1 | 29 |
| 71 | Electrocatalytic activity and durability study of carbon supported Pt nanodendrites in polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 7126-7132. | 3.8 | 18 |
| 72 | The effects of circadian disturbances induced by night shifts on the mouse peripheral tissues. <i>Animal Cells and Systems</i> , 2012, 16, 357-365. | 0.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Preparation of carbon-supported nanosegregated Pt alloy catalysts for the oxygen reduction reaction using a silica encapsulation process to inhibit the sintering effect during heat treatment. <i>Journal of Materials Chemistry</i> , 2012, 22, 15215. | 6.7 | 23 |
| 74 | Electrochemical carbon corrosion in high temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10844-10849. | 3.8 | 60 |
| 75 | The inhibition of electrochemical carbon corrosion in polymer electrolyte membrane fuel cells using iridium nanodendrites. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2455-2461. | 3.8 | 38 |
| 76 | The role of transition metals in non-precious nitrogen-modified carbon-based electrocatalysts for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2012, 212, 220-225. | 4.0 | 112 |
| 77 | Oxidized iridium nanodendrites as catalysts for oxygen evolution reactions. <i>Catalysis Communications</i> , 2011, 12, 408-411. | 1.6 | 58 |
| 78 | Development of highly active and stable non-precious oxygen reduction catalysts for PEM fuel cells using polypyrrole and a chelating agent. <i>Electrochemistry Communications</i> , 2011, 13, 879-881. | 2.3 | 87 |
| 79 | Polypyrrole-modified hydrophobic carbon nanotubes as promising electrocatalyst supports in polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11564-11571. | 3.8 | 35 |
| 80 | The influence of the structural properties of carbon on the oxygen reduction reaction of nitrogen modified carbon based catalysts. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8181-8186. | 3.8 | 81 |
| 81 | Efficient Synthesis of Pt Nanoparticles Supported on Hydrophobic Graphitized Carbon Nanofibers for Electrocatalysts Using Noncovalent Functionalization. <i>Advanced Functional Materials</i> , 2011, 21, 3954-3960. | 7.8 | 74 |
| 82 | Preparation of Bimodal Porous Carbon Supported PtRu Catalysts for Fuel Cells. <i>Fuel Cells</i> , 2010, 10, 245-250. | 1.5 | 6 |
| 83 | Effect of heat-treatment temperature on carbon corrosion in polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 2623-2627. | 4.0 | 33 |
| 84 | Effect of chemical oxidation of CNFs on the electrochemical carbon corrosion in polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 701-708. | 3.8 | 79 |
| 85 | Platinum dendrites with controlled sizes for oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2010, 12, 1596-1599. | 2.3 | 49 |
| 86 | Effect of Water Electrolysis Catalysts on Carbon Corrosion in Polymer Electrolyte Membrane Fuel Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 14700-14701. | 6.6 | 109 |
| 87 | Noncovalent Modification of Carbon Nanofibers Using 2-Naphthalenethiol for Catalyst Supports in PEM Fuel Cells. <i>Journal of Electrochemical Science and Technology</i> , 2010, 1, 92-96. | 0.9 | 4 |
| 88 | Corrosion resistance and sintering effect of carbon supports in polymer electrolyte membrane fuel cells. <i>Electrochimica Acta</i> , 2009, 54, 6515-6521. | 2.6 | 92 |
| 89 | Effect of operating conditions on carbon corrosion in polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2009, 193, 575-579. | 4.0 | 100 |
| 90 | Use of a carbon nanocage as a catalyst support in polymer electrolyte membrane fuel cells. <i>Electrochemistry Communications</i> , 2009, 11, 1131-1134. | 2.3 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Effect of Acid Treatment of Graphitized Carbon on Carbon Corrosion in Polymer Electrolyte Membrane Fuel Cells. Journal of the Korean Electrochemical Society, 2009, 12, 181-188. | 0.1 | 0 |
| 92 | Effect of Graphitized Carbon Supports on Electrochemical Carbon Corrosion in Polymer Electrolyte Membrane Fuel Cells. Journal of the Korean Electrochemical Society, 2009, 12, 142-147. | 0.1 | 0 |
| 93 | Investigation of a non-noble composite catalyst for hydrogen release control of ammonia-borane. Research on Chemical Intermediates, 2008, 34, 709-715. | 1.3 | 10 |
| 94 | 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. | 1.3 | 1 |
| 95 | Synthesis and characterization of PtN _x /C as methanol-tolerant oxygen reduction electrocatalysts for a direct methanol fuel cell. Journal of Power Sources, 2008, 181, 74-78. | 4.0 | 24 |
| 96 | Modification of polyol process for synthesis of highly platinum loaded platinum-carbon catalysts for fuel cells. Journal of Power Sources, 2008, 183, 600-603. | 4.0 | 79 |
| 97 | Growth and characterization of carbon-supported MnO ₂ nanorods for supercapacitor electrode. Physica B: Condensed Matter, 2008, 403, 1763-1769. | 1.3 | 48 |
| 98 | Novel method for the preparation of carbon supported nano-sized amorphous ruthenium oxides for supercapacitors. Electrochemistry Communications, 2008, 10, 1035-1037. | 2.3 | 18 |
| 99 | On-line mass spectrometry study of carbon corrosion in polymer electrolyte membrane fuel cells. Electrochemistry Communications, 2008, 10, 1048-1051. | 2.3 | 80 |
| 100 | Synthesis and Characterization of Pt based Alloy Catalysts for Direct Ethanol Fuel Cell. Journal of the Korean Electrochemical Society, 2008, 11, 109-114. | 0.1 | 0 |
| 101 | 4-(2-pyridylazo)-resorcinol as effective corrosion inhibitor for mild steel in 0.5M sulphuric acid. Surface Engineering, 2007, 23, 187-193. | 1.1 | 5 |
| 102 | Development of Ruthenium-Based Catalysts for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2007, 154, A123. | 1.3 | 29 |
| 103 | Surface modified Pt/C as a methanol tolerant oxygen reduction catalyst for direct methanol fuel cells. Electrochemistry Communications, 2007, 9, 2629-2632. | 2.3 | 16 |
| 104 | Carbon-supported, nano-structured, manganese oxide composite electrode for electrochemical supercapacitor. Journal of Power Sources, 2007, 173, 1024-1028. | 4.0 | 110 |
| 105 | Investigation of carbon-supported Pt nanocatalyst preparation by the polyol process for fuel cell applications. Electrochimica Acta, 2007, 52, 7278-7285. | 2.6 | 113 |
| 106 | Mechanism of manganese (mono and di) telluride thin-film formation and properties. Physica B: Condensed Matter, 2007, 390, 314-319. | 1.3 | 14 |
| 107 | Preparation of Pt/zeolite-Nafion composite membranes for self-humidifying polymer electrolyte fuel cells. Journal of Power Sources, 2007, 165, 733-738. | 4.0 | 51 |
| 108 | Studies on Co-based catalysts supported on modified carbon substrates for PEMFC cathodes. Journal of Power Sources, 2006, 157, 56-63. | 4.0 | 154 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Development of Novel Method for Preparation of PEMFC Electrodes. Electrochemical and Solid-State Letters, 2004, 7, A71. | 2.2 | 54 |
| 110 | Synthesis and Characterization of MnO ₂ -Based Mixed Oxides as Supercapacitors. Journal of the Electrochemical Society, 2003, 150, D56. | 1.3 | 267 |
| 111 | Characterization of hydrous ruthenium oxide/carbon nanocomposite supercapacitors prepared by a colloidal method. Journal of Power Sources, 2002, 104, 52-61. | 4.0 | 282 |