

Won Suk Jung

List of Publications by Year in descending order

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25
papers

606
citations

686830

13
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

883
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Ternary Ni-Mo-P catalysts for enhanced activity and durability in proton exchange membrane water electrolysis. <i>International Journal of Energy Research</i> , 2022, 46, 13023-13034. | 2.2 | 7 |
| 2 | Review "Development of Highly Active and Stable Catalyst Supports and Platinum-Free Catalysts for PEM Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2022, 169, 074501. | 1.3 | 6 |
| 3 | Enhanced Performance of Pt Nanoparticles on Ni-N Co-Doped Graphitized Carbon for Oxygen Reduction Reaction in Polymer Electrolyte Membrane Fuel Cells. <i>Catalysts</i> , 2021, 11, 909. | 1.6 | 2 |
| 4 | Enhanced stability of PdPtAu alloy catalyst for formic acid oxidation. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 2229-2234. | 1.2 | 5 |
| 5 | Recent Studies on Bimetallic Pt-M Catalyst for the Oxygen Reduction Reaction in Polymer Electrolyte Membrane Fuel Cells. <i>Journal of Korean Institute of Metals and Materials</i> , 2021, 59, 741-752. | 0.4 | 2 |
| 6 | Highly stable and ordered intermetallic PtCo alloy catalyst supported on graphitized carbon containing Co@CN for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19833-19842. | 5.2 | 47 |
| 7 | Binder-coated electrodeposited PtNiCu catalysts for the oxygen reduction reaction in high-temperature polymer electrolyte membrane fuel cells. <i>Applied Surface Science</i> , 2020, 510, 145444. | 3.1 | 14 |
| 8 | An N-doped porous carbon network with a multidirectional structure as a highly efficient metal-free catalyst for the oxygen reduction reaction. <i>Nanoscale</i> , 2019, 11, 2423-2433. | 2.8 | 63 |
| 9 | Study on durability of Pt supported on graphitized carbon under simulated start-up/shut-down conditions for polymer electrolyte membrane fuel cells. <i>Journal of Energy Chemistry</i> , 2018, 27, 326-334. | 7.1 | 33 |
| 10 | High-performance bimetallic alloy catalyst using Ni and N co-doped composite carbon for the oxygen electro-reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 30-39. | 5.0 | 13 |
| 11 | Comparative investigation of nitrogen species in transition metals incorporated carbon catalysts for the oxygen reduction reaction. <i>Chemical Physics Letters</i> , 2018, 708, 42-47. | 1.2 | 6 |
| 12 | (Invited) Development of Highly Active and Durable Hybrid Compressive Platinum for Polymer Electrolyte Membrane (PEM) Fuel Cells at USC. <i>ECS Transactions</i> , 2018, 85, 123-135. | 0.3 | 1 |
| 13 | (Invited) Development of Highly Active and Durable Hybrid Compressive Platinum Lattice Cathode Catalyst for Polymer Electrolyte Membrane (PEM) Fuel Cells at USC. <i>ECS Meeting Abstracts</i> , 2018, , . | 0.0 | 0 |
| 14 | Development of ultra-low highly active and durable hybrid compressive platinum lattice cathode catalysts for polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12507-12520. | 3.8 | 8 |
| 15 | Effect of Pretreatment on Durability of fct-Structured Pt-Based Alloy Catalyst for the Oxygen Reduction Reaction under Operating Conditions in Polymer Electrolyte Membrane Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9809-9817. | 3.2 | 27 |
| 16 | Hybrid cathode catalyst with synergistic effect between carbon composite catalyst and Pt for ultra-low Pt loading in PEMFCs. <i>Catalysis Today</i> , 2017, 295, 65-74. | 2.2 | 26 |
| 17 | Improved durability of Pt catalyst supported on N-doped mesoporous graphitized carbon for oxygen reduction reaction in polymer electrolyte membrane fuel cells. <i>Carbon</i> , 2017, 122, 746-755. | 5.4 | 34 |
| 18 | New Method to Synthesize Highly Active and Durable Chemically Ordered fct-PtCo Cathode Catalyst for PEMFCs. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23679-23686. | 4.0 | 51 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Induced changes of Pt/C in activity and durability through heat-treatment for oxygen reduction reaction in acidic medium. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22830-22840. | 3.8 | 10 |
| 20 | Highly Active and Durable Co-Doped Pt/CCC Cathode Catalyst for Polymer Electrolyte Membrane Fuel Cells. <i>Electrochimica Acta</i> , 2015, 167, 1-12. | 2.6 | 30 |
| 21 | Performance degradation of direct formic acid fuel cell incorporating a Pd anode catalyst. <i>Journal of Power Sources</i> , 2011, 196, 4573-4578. | 4.0 | 28 |
| 22 | Development of Supported Bifunctional Oxygen Electrocatalysts with High Performance for Unitized Regenerative Fuel Cell Applications. <i>ECS Transactions</i> , 2010, 33, 1979-1987. | 0.3 | 8 |
| 23 | Titania Supported Platinum Catalyst with High Electrocatalytic Activity and Stability for Polymer Electrolyte Membrane Fuel Cell. <i>ECS Transactions</i> , 2010, 33, 483-491. | 0.3 | 3 |
| 24 | Analysis of palladium-based anode electrode using electrochemical impedance spectra in direct formic acid fuel cells. <i>Journal of Power Sources</i> , 2007, 173, 53-59. | 4.0 | 56 |
| 25 | Direct formic acid fuel cell portable power system for the operation of a laptop computer. <i>Journal of Power Sources</i> , 2006, 162, 532-540. | 4.0 | 126 |