

# Siyu Ye

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116  
papers

9,133  
citations

42  
h-index

95  
g-index

128  
ext. papers

10,366  
ext. citations

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6.39  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 116 | Batteries and fuel cells for emerging electric vehicle markets. <i>Nature Energy</i> , <b>2018</b> , 3, 279-289   | 62.3 | 1176      |
| 115 | High oxygen-reduction activity and durability of nitrogen-doped graphene. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 760  | 35.4 | 1073      |
| 114 | Recent advances in activity and durability enhancement of Pt/C catalytic cathode in PEMFC. <i>Journal of Power Sources</i> , <b>2007</b> , 172, 145-154   | 8.9  | 638       |
| 113 | Single-atom Catalysis Using Pt/Graphene Achieved through Atomic Layer Deposition. <i>Scientific Reports</i> , <b>2013</b> , 3,  | 4.9  | 589       |
| 112 | Recent advances in activity and durability enhancement of Pt/C catalytic cathode in PEMFC. <i>Journal of Power Sources</i> , <b>2007</b> , 172, 133-144   | 8.9  | 403       |
| 111 | Nitrogen doping effects on the structure of graphene. <i>Applied Surface Science</i> , <b>2011</b> , 257, 9193-9198   | 6.7  | 400       |
| 110 | A review of the stability and durability of non-precious metal catalysts for the oxygen reduction reaction in proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , <b>2015</b> , 285, 334-348                     | 8.9  | 365       |
| 109 | Current Status and Future Development of Catalyst Materials and Catalyst Layers for Proton Exchange Membrane Fuel Cells: An Industrial Perspective. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 629-638                            | 20.1 | 303       |
| 108 | Nitrogen Doping Effects on Carbon Nanotubes and the Origin of the Enhanced Electrocatalytic Activity of Supported Pt for Proton-Exchange Membrane Fuel Cells. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3769-3776 | 3.8  | 211       |
| 107 | Extremely stable platinum nanoparticles encapsulated in a zirconia nanocage by area-selective atomic layer deposition for the oxygen reduction reaction. <i>Advanced Materials</i> , <b>2015</b> , 27, 277-81                       | 24   | 206       |
| 106 | Enhanced stability of Pt electrocatalysts by nitrogen doping in CNTs for PEM fuel cells. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 2071-2076   | 5.1  | 176       |
| 105 | Ordered bilayer ruthenium-platinum core-shell nanoparticles as carbon monoxide-tolerant fuel cell catalysts. <i>Nature Communications</i> , <b>2013</b> , 4, 2466   | 17.4 | 164       |
| 104 | 3-D composite electrodes for high performance PEM fuel cells composed of Pt supported on nitrogen-doped carbon nanotubes grown on carbon paper. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 438-441                  | 5.1  | 136       |
| 103 | Rh(I)-catalyzed intramolecular [3 + 2] cycloaddition of trans-vinylcyclopropane-enes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7178-9   | 16.4 | 127       |
| 102 | Critical advancements in achieving high power and stable nonprecious metal catalyst-based MEAs for real-world proton exchange membrane fuel cell applications. <i>Science Advances</i> , <b>2018</b> , 4, eaar7180                  | 14.3 | 117       |
| 101 | Multigrain platinum nanowires consisting of oriented nanoparticles anchored on sulfur-doped graphene as a highly active and durable oxygen reduction electrocatalyst. <i>Advanced Materials</i> , <b>2015</b> , 27, 1229-34         | 24   | 106       |
| 100 | Is the rapid initial performance loss of Fe/N/C non precious metal catalysts due to micropore flooding?. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 296-305  | 35.4 | 103       |

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| 99 | Non-noble metal oxygen reduction electrocatalysts based on carbon nanotubes with controlled nitrogen contents. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 1795-1801  | 8.9  | 102 |
| 98 | Titanium carbide and its core-shelled derivative TiC@TiO <sub>2</sub> as catalyst supports for proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , <b>2012</b> , 69, 397-405   | 6.7  | 100 |
| 97 | Integrating PGM-Free Catalysts into Catalyst Layers and Proton Exchange Membrane Fuel Cell Devices. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804846   | 24   | 77  |
| 96 | Measurement of effective gas diffusion coefficients of catalyst layers of PEM fuel cells with a Loschmidt diffusion cell. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 674-678   | 8.9  | 75  |
| 95 | Atomic-Scale Preparation of Octopod Nanoframes with High-Index Facets as Highly Active and Stable Catalysts. <i>Advanced Materials</i> , <b>2017</b> , 29,   | 24   | 73  |
| 94 | Electrocatalytic activity and durability of Pt/NbO <sub>2</sub> and Pt/Ti <sub>4</sub> O <sub>7</sub> nanofibers for PEM fuel cell oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2012</b> , 59, 538-547                                   | 6.7  | 72  |
| 93 | 3D Porous Fe/N/C Spherical Nanostructures As High-Performance Electrocatalysts for Oxygen Reduction in Both Alkaline and Acidic Media. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36944-36954                                    | 9.5  | 70  |
| 92 | Non-noble metal-carbonized aerogel composites as electrocatalysts for the oxygen reduction reaction. <i>Electrochemistry Communications</i> , <b>2003</b> , 5, 272-275   | 5.1  | 70  |
| 91 | An active and robust Si-Fe/N/C catalyst derived from waste reed for oxygen reduction. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 237, 85-93   | 21.8 | 62  |
| 90 | Pt/Pd Single-Atom Alloys as Highly Active Electrochemical Catalysts and the Origin of Enhanced Activity. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9350-9358   | 13.1 | 61  |
| 89 | Bridging the gap between highly active oxygen reduction reaction catalysts and effective catalyst layers for proton exchange membrane fuel cells. <i>Nature Energy</i> , <b>2021</b> , 6, 475-486  | 62.3 | 58  |
| 88 | Atomic layer deposition assisted Pt-SnO <sub>2</sub> hybrid catalysts on nitrogen-doped CNTs with enhanced electrocatalytic activities for low temperature fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 11085-11092 | 6.7  | 53  |
| 87 | A transient PEMFC model with CO poisoning and mitigation by O <sub>2</sub> bleeding and Ru-containing catalyst. <i>Journal of Power Sources</i> , <b>2007</b> , 166, 1-21  | 8.9  | 52  |
| 86 | Accelerated Stress Testing by Rotating Disk Electrode for Carbon Corrosion in Fuel Cell Catalyst Supports. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F783-F788  | 3.9  | 51  |
| 85 | Nanocrystalline tungsten carbide (WC) synthesis/characterization and its possible application as a PEM fuel cell catalyst support. <i>Electrochimica Acta</i> , <b>2012</b> , 61, 198-206  | 6.7  | 50  |
| 84 | A New Fuel Cell Electrocatalyst Based on Carbonized Polyacrylonitrile Foam: The Nature of Platinum-Support Interactions. <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 90-95  | 3.9  | 50  |
| 83 | Spectroscopic Investigation of a Polypyrrole / MoS <sub>4</sub> <sup>2-</sup> / MoS <sub>3</sub> Composite Film Electrode in Aqueous KCl Solution. <i>Journal of the Electrochemical Society</i> , <b>1995</b> , 142, 2296-2301                        | 3.9  | 49  |
| 82 | Total synthesis of (+)-asteriscanolide: further exploration of the rhodium(I)-catalyzed [(5+2)+1] reaction of ene-vinylcyclopropanes and CO. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 593-604  | 4.5  | 47  |

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| 81 | Impedance study of polypyrrole films doped with tetrathiomolybdate anions and containing molybdenum trisulfide. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 12373-12378   |      | 47 |
| 80 | Optimization of sulfur-doped graphene as an emerging platinum nanowires support for oxygen reduction reaction. <i>Nano Energy</i> , <b>2016</b> , 19, 27-38  | 17.1 | 46 |
| 79 | Effect of carbon support nanostructure on the oxygen reduction activity of Pt/C catalysts. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2812   | 13   | 46 |
| 78 | Effect of Pt-loaded carbon support nanostructure on oxygen reduction catalysis. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 5438-5445   | 8.9  | 46 |
| 77 | Cobalt-carbonized aerogel nanocomposites electrocatalysts for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2005</b> , 30, 1011-1015   | 6.7  | 45 |
| 76 | High stability and activity of Pt electrocatalyst on atomic layer deposited metal oxide/nitrogen-doped graphene hybrid support. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 15967-15974  | 6.7  | 44 |
| 75 | Gold(I)-catalyzed ring expansions of unactivated alkynylcyclopropanes to (e)-2-alkylidenecyclobutanamines in the presence of sulfonamides. <i>Organic Letters</i> , <b>2010</b> , 12, 804-7  | 6.2  | 42 |
| 74 | A Study of the Catalytic Interface for O <sub>2</sub> Electroreduction on Pt: The Interaction between Carbon Support Meso/Microstructure and Ionomer (Nafion) Distribution. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 298-307                | 3.8  | 42 |
| 73 | Polypyrrole film electrodes electrochemically doped with tetrathiomolybdate anions: preparation and characterization. <i>Journal of Electroanalytical Chemistry</i> , <b>1992</b> , 334, 35-55   | 4.1  | 42 |
| 72 | Rational design of porous structures via molecular layer deposition as an effective stabilizer for enhancing Pt ORR performance. <i>Nano Energy</i> , <b>2019</b> , 60, 111-118  | 17.1 | 41 |
| 71 | Low equivalent weight short-side-chain perfluorosulfonic acid ionomers in fuel cell cathode catalyst layers. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 6168-6176  | 8.9  | 38 |
| 70 | A New Fuel Cell Electrocatalyst Based on Highly Porous Carbonized Polyacrylonitrile Foam with Very Low Platinum Loading. <i>Journal of the Electrochemical Society</i> , <b>1996</b> , 143, L7-L9  | 3.9  | 38 |
| 69 | Pt/SnO <sub>2</sub> /nitrogen-doped CNT hybrid catalysts for proton-exchange membrane fuel cells (PEMFC): Effects of crystalline and amorphous SnO <sub>2</sub> by atomic layer deposition. <i>Journal of Power Sources</i> , <b>2013</b> , 238, 144-149       | 8.9  | 37 |
| 68 | 3D boron doped carbon nanorods/carbon-microfiber hybrid composites: synthesis and applications in a highly stable proton exchange membrane fuel cell. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18195  |      | 36 |
| 67 | Web-like 3D Architecture of Pt Nanowires and Sulfur-Doped Carbon Nanotube with Superior Electrocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 93-98  | 8.3  | 36 |
| 66 | Pt-SnO <sub>2</sub> /Pd/C Electrocatalyst with Enhanced Activity and Durability for the Oxygen Reduction Reaction at Low Pt Loading: The Effect of Carbon Support Type and Activation. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 16488-16504 | 3.8  | 35 |
| 65 | Electrochemical preparation and characterization of conducting copolymers: poly(aniline-co-N-butylaniline). <i>Synthetic Metals</i> , <b>1997</b> , 88, 65-72  | 3.6  | 35 |
| 64 | Atomic layer deposited tantalum oxide to anchor Pt/C for a highly stable catalyst in PEMFCs. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9760-9767  | 13   | 33 |

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|----|---|------|----|
| 63 | Carbon/Nb <sub>0.07</sub> Ti <sub>0.93</sub> O <sub>2</sub> composite supported PtPd electrocatalysts for PEM fuel cell oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2012</b> , 75, 220-228                   | 6.7  | 32 |
| 62 | New insights into non-precious metal catalyst layer designs for proton exchange membrane fuel cells: Improving performance and stability. <i>Journal of Power Sources</i> , <b>2017</b> , 344, 39-45                        | 8.9  | 31 |
| 61 | Origin of achieving the enhanced activity and stability of Pt electrocatalysts with strong metal-support interactions via atomic layer deposition. <i>Nano Energy</i> , <b>2018</b> , 53, 716-725                           | 17.1 | 31 |
| 60 | Novel Mesoporous Carbon Supports for PEMFC Catalysts. <i>Catalysts</i> , <b>2015</b> , 5, 1046-1067   | 4    | 29 |
| 59 | Embellished hollow spherical catalyst boosting activity and durability for oxygen reduction reaction. <i>Nano Energy</i> , <b>2018</b> , 51, 745-753  | 17.1 | 27 |
| 58 | Effect of CeO <sub>x</sub> Crystallite Size on the Chemical Stability of CeO <sub>x</sub> Nanoparticles. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, F1075-F1080                                     | 3.9  | 27 |
| 57 | Mechanisms of Brønsted Acid Catalyzed Additions of Phenols and Protected Amines to Olefins: A DFT Study. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 4296-4303                                       | 3.2  | 27 |
| 56 | Oxygen reduction on a new electrocatalyst based on highly porous carbonized polyacrylonitrile microcellular foam with very low platinum loading. <i>Journal of Electroanalytical Chemistry</i> , <b>1996</b> , 415, 115-121 | 4.1  | 27 |
| 55 | TfOH-catalyzed tandem cyclopropane ring enlargement/C-C formation/etherification of alkynylcyclopropanes and 1,3-diketones to cyclobutane-fused dihydrofurans. <i>Chemical Communications</i> , <b>2011</b> , 47, 794-6     | 5.8  | 26 |
| 54 | Electrochemistry of poly(aniline-co-N-butylaniline) copolymer: Comparison with polyaniline and poly(N-butylaniline). <i>Journal of Electroanalytical Chemistry</i> , <b>1995</b> , 381, 71-80                               | 4.1  | 26 |
| 53 | Improving the corrosion resistance of proton exchange membrane fuel cell carbon supports by pentafluorophenyl surface functionalization. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 732-741                       | 8.9  | 25 |
| 52 | First time investigation of Pt nanocatalysts deposited inside carbon mesopores of controlled length and diameter. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 7164  |      | 25 |
| 51 | Evaluation of the Corrosion Resistance of Carbons for Use as PEM Fuel Cell Cathode Supports. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F1333-F1341   | 3.9  | 24 |
| 50 | Electrocatalytic Oxygen Reduction Performance of Silver Nanoparticle Decorated Electrochemically Exfoliated Graphene. <i>Langmuir</i> , <b>2015</b> , 31, 9718-27   | 4    | 24 |
| 49 | Highly Durable Platinum-Cobalt Nanowires by Microwave Irradiation as Oxygen Reduction Catalyst for PEM Fuel Cell. <i>Electrochemical and Solid-State Letters</i> , <b>2012</b> , 15, B83                                    |      | 24 |
| 48 | Understanding the Corrosion Resistance of Meso- and Micro-Porous Carbons for Application in PEM Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, F3230-F3240                                  | 3.9  | 23 |
| 47 | Oxygen reduction activity dependence on the mesoporous structure of imprinted carbon supports. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1666-1669   | 5.1  | 23 |
| 46 | Wettability of Nafion and Nafion/Vulcan carbon composite films. <i>Langmuir</i> , <b>2012</b> , 28, 6698-705  | 4    | 22 |

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|----|---|------|----|
| 45 | Fractal Dimension of Platinum Particles Dispersed in Highly Porous Carbonized Polyacrylonitrile Microcellular Foam. <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 1734-1738                | 3.9  | 22 |
| 44 | Ultralow Loading and High-Performing Pt Catalyst for a Polymer Electrolyte Membrane Fuel Cell Anode Achieved by Atomic Layer Deposition. <i>ACS Catalysis</i> , <b>2019</b> , 9, 5365-5374                      | 13.1 | 21 |
| 43 | Surface Characteristics of Microporous and Mesoporous Carbons Functionalized with Pentafluorophenyl Groups. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2130-2142                         | 9.5  | 21 |
| 42 | Nb-doped TiO <sub>2</sub> /carbon composite supports synthesized by ultrasonic spray pyrolysis for proton exchange membrane (PEM) Fuel cell catalysts. <i>Journal of Power Sources</i> , <b>2012</b> , 220, 1-9 | 8.9  | 20 |
| 41 | Effects of crossover hydrogen on platinum dissolution and agglomeration. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 7985-7988   | 8.9  | 20 |
| 40 | PEM Fuel Cell Catalysts: The Importance of Catalyst Support. <i>ECS Transactions</i> , <b>2009</b> , 16, 2101-2113  | 1    | 20 |
| 39 | Oxygen evolution on titanium anodes coated with conductive metallic oxides: Kinetics and mechanism in alkaline solution. <i>Electrochimica Acta</i> , <b>1996</b> , 41, 827-834                                 | 6.7  | 20 |
| 38 | Wettability of colloid-imprinted carbons by contact angle kinetics and water vapor sorption measurements. <i>Carbon</i> , <b>2015</b> , 87, 44-60   | 10.4 | 19 |
| 37 | Degradation Resistant Cathodes in Polymer Electrolyte Membrane Fuel Cells. <i>ECS Transactions</i> , <b>2006</b> , 3, 657-666   | 1    | 18 |
| 36 | Electrochemical and In Situ Spectroelectrochemical Study on Polypyrrole/Disulfide Composite Electrode. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, L49-L50                               | 3.9  | 18 |
| 35 | Controlling the deposition of Pt nanoparticles within the surface region of Nafion. <i>Journal of Membrane Science</i> , <b>2011</b> , 376, 162-169   | 9.6  | 17 |
| 34 | Characterization of Catalyst Layer Structural Changes in PEMFC as a Function of Durability Testing. <i>ECS Transactions</i> , <b>2006</b> , 3, 743-751  | 1    | 17 |
| 33 | Oxygen reduction on an iron-carbonized aerogel nanocomposite electrocatalyst. <i>Journal of Solid State Electrochemistry</i> , <b>2005</b> , 9, 146-153   | 2.6  | 17 |
| 32 | New insights into the surface properties of hard-templated ordered mesoporous carbons. <i>Carbon</i> , <b>2018</b> , 127, 707-717   | 10.4 | 17 |
| 31 | Effects of synthesis condition on formation of desired crystal structures of doped-TiO <sub>2</sub> /carbon composite supports for ORR electrocatalysts. <i>Electrochimica Acta</i> , <b>2012</b> , 77, 225-231 | 6.7  | 16 |
| 30 | UV-visible spectroscopy method for screening the chemical stability of potential antioxidants for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , <b>2015</b> , 281, 238-242             | 8.9  | 15 |
| 29 | A regularization method for constructing trend function in Kriging model. <i>Structural and Multidisciplinary Optimization</i> , <b>2019</b> , 59, 1221-1239  | 3.6  | 14 |
| 28 | A New Polypyrrole/Disulfide Electrode Studied by Electrochemistry and the Electrochemical Quartz Crystal Microbalance. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 15848-15855                |      | 13 |

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|----|--|------|----|
| 27 | Top-down bottom-up graphene synthesis. <i>Nano Futures</i> , <b>2019</b> , 3, 042003   | 3.6  | 12 |
| 26 | A new electrocatalyst consisting of a molecularly homogeneous platinum-kerogen nanocomposite. <i>Canadian Journal of Chemistry</i> , <b>1997</b> , 75, 1666-1673                             | 0.9  | 12 |
| 25 | Electrically Bloomed Platinum Nanoflowers on Exfoliated Graphene: An Efficient Alcohol Oxidation Catalyst. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, D615-D621      | 3.9  | 11 |
| 24 | Lateral growth of polypyrrole at an ionically conducting polymer coated dual electrode assembly. <i>Journal of Electroanalytical Chemistry</i> , <b>1993</b> , 344, 395-400                  | 4.1  | 10 |
| 23 | A penalized blind likelihood Kriging method for surrogate modeling. <i>Structural and Multidisciplinary Optimization</i> , <b>2020</b> , 61, 457-474   | 3.6  | 9  |
| 22 | Composite Carbon Nanotube Microsphere Coatings for Use as Electrode Supports. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803713   | 15.6 | 9  |
| 21 | Tailoring Carbon Nanotube Microsphere Architectures with Controlled Porosity. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903983   | 15.6 | 8  |
| 20 | Reactive Sensor for Investigation of Gas Diffusion Layer Hydrophobicity in PEM Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , <b>2008</b> , 11, B148                           |      | 8  |
| 19 | Cavitation Mediated 3D Microstructured Architectures from Nanocarbon. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706832   | 15.6 | 7  |
| 18 | Graphene modified nanosized Ag electrocomposites. <i>Materials Research Bulletin</i> , <b>2017</b> , 89, 42-50   | 5.1  | 6  |
| 17 | Liquid Crystalline Phase Templated Platinum Catalyst for Oxygen Reduction. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B1169  | 3.9  | 6  |
| 16 | Anodic oxidation of cyclic 1,3-diketones. <i>Electrochimica Acta</i> , <b>1991</b> , 36, 597-603   | 6.7  | 6  |
| 15 | Nafion Film-Templated Platinum Electrodes for Oxygen Reduction. <i>Electrocatalysis</i> , <b>2010</b> , 1, 22-27   | 2.7  | 5  |
| 14 | CO-tolerant Catalysts <b>2008</b> , 759-834  |      | 5  |
| 13 | Facile Aza-Michael Additions of Uracil Derivatives to Acrylates. <i>Journal of Chemical Research</i> , <b>2012</b> , 36, 114-117   | 0.6  | 4  |
| 12 | Selective anodic oxidation of camphor. <i>Tetrahedron</i> , <b>1991</b> , 47, 5463-5470  | 2.4  | 4  |
| 11 | Unexpected hydrogen oxidation selectivity of Pt/NbTiO <sub>2</sub> catalysts. <i>Nano Energy</i> , <b>2016</b> , 27, 157-166   | 17.1 | 4  |
| 10 | Doped Ceria Nanoparticles with Reduced Solubility and Improved Peroxide Decomposition Activity for PEM Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 024507 | 3.9  | 4  |

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| 9 | Electrochemical properties and stabilization of conducting poly(diarylanilines) in acetonitrile. <i>Synthetic Metals</i> , <b>1995</b> , 73, 157-164                         | 3.6 | 3 |
| 8 | Structural and Morphological Properties of Carbon Supports: Effect on Catalyst Degradation. <i>ECS Transactions</i> , <b>2010</b> , 33, 425-431                              | 1   | 2 |
| 7 | Anodic Oxidation of 1,3-Cyclohexanedione to 1,2,3-Cyclohexanetrione. <i>Chemistry Letters</i> , <b>1992</b> , 21, 609-612  |     | 2 |
| 6 | An Effective Surrogate Ensemble Modeling Method for Satellite Coverage Traffic Volume Prediction. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3689              | 2.6 | 2 |
| 5 | Reversal-tolerant Catalyst Layers <b>2008</b> , 835-860  |     | 1 |
| 4 | Polynomial Response Surface based on basis function selection by multitask optimization and ensemble modeling. <i>Complex &amp; Intelligent Systems</i> , 1                  | 7.1 | 0 |
| 3 | Selective exposure of platinum catalyst embedded in protective oxide layer on conductive titanium carbide support. <i>Materials Today Energy</i> , <b>2019</b> , 13, 353-361 | 7   |   |
| 2 | Anodic Oxidation of Norcamphor in Aqueous Electrolytes. <i>Journal für Praktische Chemie, Chemiker-Zeitung</i> , <b>1992</b> , 334, 37-40                                    |     |   |
| 1 | Carbonaceous Nanowire Supports for Polymer Electrolyte Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, F115-F121                     | 3.9 |   |