

# Samuel Woojoo Jun

## List of Publications by Year in Descending Order

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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.

|                   |                         |               |                 |
|-------------------|-------------------------|---------------|-----------------|
| 15<br>papers      | 2,875<br>citations      | 14<br>h-index | 16<br>g-index   |
| 16<br>ext. papers | 3,183<br>ext. citations | 11<br>avg, IF | 4.31<br>L-index |

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 15 | Controlled synthesis of nickel phosphide nanoparticles with pure-phase Ni <sub>2</sub> P and Ni <sub>12</sub> P <sub>5</sub> for hydrogenation of nitrobenzene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2019</b> , 126, 453-461                                 | 1.6  | 10        |
| 14 | Large-Scale Synthesis of Carbon-Shell-Coated FeP Nanoparticles for Robust Hydrogen Evolution Reaction Electrocatalyst. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6669-6674   | 16.4 | 369       |
| 13 | A simple synthesis of urchin-like Pt-Ni bimetallic nanostructures as enhanced electrocatalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , <b>2016</b> , 52, 597-600  | 5.8  | 44        |
| 12 | Highly Durable and Active PtFe Nanocatalyst for Electrochemical Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15478-85  | 16.4 | 393       |
| 11 | Magnetically recyclable core-shell nanocatalysts for efficient heterogeneous oxidation of alcohols. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7593-7599  | 13   | 64        |
| 10 | Multifunctional wearable devices for diagnosis and therapy of movement disorders. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 397-404   | 28.7 | 1037      |
| 9  | Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. <i>Applied Catalysis A: General</i> , <b>2014</b> , 476, 133-139   | 5.1  | 67        |
| 8  | One-pot synthesis of magnetically recyclable mesoporous silica supported acid-base catalysts for tandem reactions. <i>Chemical Communications</i> , <b>2013</b> , 49, 7821-3  | 5.8  | 49        |
| 7  | Efficient Photoluminescence of Mn <sup>2+</sup> -Doped ZnS Quantum Dots Excited by Two-Photon Absorption in Near-Infrared Window II. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 20905-20911  | 3.8  | 48        |
| 6  | High-resolution three-photon biomedical imaging using doped ZnS nanocrystals. <i>Nature Materials</i> , <b>2013</b> , 12, 359-66  | 27   | 218       |
| 5  | Sizing by weighing: characterizing sizes of ultrasmall-sized iron oxide nanocrystals using MALDI-TOF mass spectrometry. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2407-10  | 16.4 | 46        |
| 4  | Large-scale synthesis of ultra-small-sized silver nanoparticles. <i>ChemPhysChem</i> , <b>2012</b> , 13, 2540-3   | 3.2  | 39        |
| 3  | Simple one-pot synthesis of Rh-Fe <sub>3</sub> O <sub>4</sub> heterodimer nanocrystals and their applications to a magnetically recyclable catalyst for efficient and selective reduction of nitroarenes and alkenes. <i>Chemical Communications</i> , <b>2011</b> , 47, 3601-3 | 5.8  | 101       |
| 2  | Large-scale synthesis of bioinert tantalum oxide nanoparticles for X-ray computed tomography imaging and bimodal image-guided sentinel lymph node mapping. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5508-15   | 16.4 | 270       |
| 1  | Simple synthesis of Pd-Fe <sub>3</sub> O <sub>4</sub> heterodimer nanocrystals and their application as a magnetically recyclable catalyst for Suzuki cross-coupling reactions. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 2512-6                           | 3.6  | 120       |