

# Yena Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,358  
citations

471509

17  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2074  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Microporous nickel phosphonate derived heteroatom doped nickel oxide and nickel phosphide: Efficient electrocatalysts for oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 405, 126803.                                 | 12.7 | 112       |
| 2  | Tubular MoSSe/carbon nanotube electrodes for hybrid-ion capacitors. <i>Electrochimica Acta</i> , 2021, 374, 137971.   | 5.2  | 7         |
| 3  | One-pot production of ceria nanosheet-supported PtNi alloy nanodendrites with high catalytic performance toward methanol oxidation and oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25842-25849.                      | 10.3 | 41        |
| 4  | Long-Term Electrodeposition under a Uniform Parallel Magnetic Field. 1. Instability of Two-Dimensional Nucleation in an Electric Double Layer. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11854-11869.                               | 2.6  | 8         |
| 5  | Excess heat production in the redox couple reaction of ferricyanide and ferrocyanide. <i>Scientific Reports</i> , 2020, 10, 20072.  | 3.3  | 7         |
| 6  | Solid Electrolyte Interphase Revealing Interfacial Electrochemistry on Highly Oriented Pyrolytic Graphite in a Water-in-Salt Electrolyte. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20135-20142.                                    | 3.1  | 12        |
| 7  | Tunable Concave Surface Features of Mesoporous Palladium Nanocrystals Prepared from Supramolecular Micellar Templates. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51357-51365.   | 8.0  | 16        |
| 8  | Controlled synthesis of mesoporous single-crystalline TiO <sub>2</sub> nanoparticles for efficient photocatalytic H <sub>2</sub> evolution. <i>Journal of Hazardous Materials</i> , 2020, 391, 122530.  | 12.4 | 14        |
| 9  | Facile Synthesis of Nanoporous Transition Metal-Based Phosphates for Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2020, 12, 2091-2096.   | 3.7  | 106       |
| 10 | Controlled Synthesis of Mesoporous Pt, Pt-Pd and Pt-Pd-Rh Nanoparticles in Aqueous Nonionic Surfactant Solution. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 455-460.  | 3.2  | 5         |
| 11 | Layered transition metal dichalcogenide/carbon nanocomposites for electrochemical energy storage and conversion applications. <i>Nanoscale</i> , 2020, 12, 8608-8625.   | 5.6  | 32        |
| 12 | A mesopore-stimulated electromagnetic near-field: electrochemical synthesis of mesoporous copper films by micelle self-assembly. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21016-21025.  | 10.3 | 35        |
| 13 | Long-Term Electrodeposition under a Uniform Parallel Magnetic Field. 2. Flow-Mode Transition from Laminar MHD Flow to Convection Cells with Two-Dimensional (2D) Nucleation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11870-11881. | 2.6  | 2         |
| 14 | Iron phosphide anchored nanoporous carbon as an efficient electrode for supercapacitors and the oxygen reduction reaction. <i>RSC Advances</i> , 2019, 9, 25240-25247.  | 3.6  | 16        |
| 15 | Shape-controlled Pd nanocrystal-polyaniline heteronanostructures with modulated polyaniline thickness for efficient electrochemical ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22029-22035.                        | 10.3 | 19        |
| 16 | Tailored Design of Mesoporous PdCu Nanospheres with Different Compositions Using Polymeric Micelles. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36544-36552.   | 8.0  | 26        |
| 17 | Hard-templated preparation of mesoporous cobalt phosphide as an oxygen evolution electrocatalyst. <i>Electrochemistry Communications</i> , 2019, 104, 106476.   | 4.7  | 17        |
| 18 | Core-Shell Engineering of Pd-Ag Bimetallic Catalysts for Efficient Hydrogen Production from Formic Acid Decomposition. <i>ACS Catalysis</i> , 2019, 9, 819-826.   | 11.2 | 88        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Nobleâ€Metal Nanocrystals with Controlled Facets for Electrocatalysis. Chemistry - an Asian Journal, 2016, 11, 2224-2239.   | 3.3  | 56        |
| 20 | One-pot synthesis of Pd@Pt coreâ€shell nanocrystals for electrocatalysis: control of crystal morphology with polyoxometalate. CrystEngComm, 2016, 18, 6029-6034.          | 2.6  | 9         |
| 21 | Ultrathin Freeâ€Standing Ternaryâ€Alloy Nanosheets. Angewandte Chemie, 2016, 128, 2803-2808.  | 2.0  | 34        |
| 22 | Ultrathin Freeâ€Standing Ternaryâ€Alloy Nanosheets. Angewandte Chemie - International Edition, 2016, 55, 2753-2758.   | 13.8 | 197       |
| 23 | Controlled synthesis of highly multi-branched Pt-based alloy nanocrystals with high catalytic performance. CrystEngComm, 2016, 18, 2356-2362.                             | 2.6  | 14        |
| 24 | Enhancing the Activity of Platinumâ€Based Nanocrystal Catalysts for Organic Synthesis through Electronic Structure Modification. ChemCatChem, 2016, 8, 2450-2454.         | 3.7  | 3         |
| 25 | Oneâ€Pot Synthesis and Electrocatalytic Properties of Pd@Pt Coreâ€Shell Nanocrystals with Tailored Morphologies. Chemistry - A European Journal, 2014, 20, 7901-7905.     | 3.3  | 41        |
| 26 | Oneâ€Pot Synthesis of CeO <sub>2</sub> -Supported Pdâ€Cu Alloy Nanocubes with High Catalytic Activity. Chemistry - A European Journal, 2013, 19, 8053-8057.               | 3.3  | 21        |
| 27 | Trisoctahedral Auâ€Pd Alloy Nanocrystals with Highâ€Index Facets and Their Excellent Catalytic Performance. Chemistry - A European Journal, 2012, 18, 16626-16630.        | 3.3  | 42        |
| 28 | Synthesis of AuPt Heteronanostructures with Enhanced Electrocatalytic Activity toward Oxygen Reduction. Angewandte Chemie - International Edition, 2010, 49, 10197-10201. | 13.8 | 129       |
| 29 | Synthesis and Electrocatalytic Activity of Auâ€Pd Alloy Nanodendrites for Ethanol Oxidation. Journal of Physical Chemistry C, 2010, 114, 7689-7693.                       | 3.1  | 217       |