# Ilwhan Oh

List of Publications by Year
in descending order



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|---|---|---|---|
| 26 papers | 3,454 citations | 567281 15 h-index | 610901 24 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 5487 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Volatile organic compound gas sensors based on methylammonium lead iodide perovskite operating at room temperature. RSC Advances, 2020, 10, 12982-12987. | 3.6 | 48 |
| 2 | Evaluation of Electroless Pt Deposition and Electron Beam Pt Evaporation on p-GaAs as a Photocathode for Hydrogen Evolution. ACS Applied Energy Materials, 2019, 2, 770-776. | 5.1 | 8 |
| 3 | Ultrastable Photoelectrodes for Solar Water Splitting Based on Organic Metal Halide Perovskite Fabricated by Lift-Off Process. ACS Applied Materials & Interfaces, 2018, 10, 14659-14664. | 8.0 | 61 |
| 4 | Poly(imide-co-siloxane) as a Thermo-Stable Binder for a Thin Layer Cathode of Thermal Batteries. Energies, 2018, 11, 3154. | 3.1 | 10 |
| 5 | Solar Water Splitting Based on Organic Metal Halide Perovskites. Journal of the Korean Electrochemical Society, 2017, 20, 18-25. | 0.1 | 0 |
| 6 | Integrated Photoelectrolysis of Water Implemented On Organic Metal Halide Perovskite Photoelectrode. ACS Applied Materials & Interfaces, 2016, 8, 11904-11909. | 8.0 | 72 |
| 7 | Transformation of Silicon Nanowire into Nanopyramid in Alkaline Solution and its Implication in Siliconâ€Air Battery. Bulletin of the Korean Chemical Society, 2016, 37, 997-1003. | 1.9 | 5 |
| 8 | Layered 2D alkyldiammonium lead iodide perovskites: synthesis, characterization, and use in solar cells. Journal of Materials Chemistry A, 2016, 4, 15638-15646. | 10.3 | 170 |
| 9 | Direct Solar Water Splitting Enabled by Monolithic IIIâ€“V Triple Junction Integrated with Low-Cost Catalyst. Science of Advanced Materials, 2016, 8, 241-246. | 0.7 | 1 |
| 10 | Catalyst feature independent metal-assisted chemical etching of silicon. RSC Advances, 2015, 5, 76128-76132. | 3.6 | 12 |
| 11 | Galvanic Displacement of Gallium Arsenide Surface: A Simple and Low-Cost Method to Deposit Metal Nanoparticles and Films. Journal of Chemistry, 2014, 2014, 1-8. | 1.9 | 6 |
| 12 | In-plane and out-of-plane mass transport during metal-assisted chemical etching of GaAs. Journal of Materials Chemistry A, 2014, 2, 11017-11021. | 10.3 | 17 |
| 13 | Platinum Monolayer Electrocatalyst on Gold Nanostructures on Silicon for Photoelectrochemical Hydrogen Evolution. ACS Nano, 2013, 7, 6017-6023. | 14.6 | 95 |
| 14 | Silicon Nanostructures Fabricated by Metal-Assisted Chemical Etching of Silicon. Journal of the Korean Electrochemical Society, 2013, 16, 1-8. | 0.1 | 1 |
| 15 | Enhanced Photoelectrochemical Hydrogen Production from Silicon Nanowire Array Photocathode. Nano Letters, 2012, 12, 298-302. | 9.1 | 297 |
| 16 | Electrochemical Multiphase Microreactor as Fast, Selective, and Portable Chemical Sensor of Trace Toxic Vapors. IEEE Sensors Journal, 2008, 8, 522-526. | 4.7 | 6 |
| 17 | Enzyme-Based Electrochemical Multiphase Microreactor for Detection of Trace Toxic Vapors. IEEE Sensors Journal, 2008, 8, 580-586. | 4.7 | 5 |
| 18 | Electrocatalytic dioxygen reduction on underpotentially deposited Pb on Au(111) studied by an active site blocking strategy. Journal of Catalysis, 2003, 213, 17-22. | 6.2 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Scanning Tunneling Microscopy Investigation of Silver Deposition upon Au(111) in the Presence of Chloride. Langmuir, 2002, 18, 8025-8032. | 3.5 | 23 |
| 20 | Electrodeposition of Epitaxial Cu(111) Thin Films on Au(111) Using Defect-Mediated Growth. Journal of the American Chemical Society, 2001, 123, 7176-7177. | 13.7 | 40 |
| 21 | Electrocatalytic Dioxygen Reduction on Underpotentially Deposited Tl on Au(111) Studied by an Active Site Blocking Strategy. Langmuir, 2001, 17, 3704-3711. | 3.5 | 15 |
| 22 | Ion and water transports in Prussian blue films investigated with electrochemical quartz crystal microbalance. Electrochemistry Communications, 2001, 3, 274-280. | 4.7 | 35 |
| 23 | Atomic structure of highly ordered pyrolytic graphite doped with boron. Electrochemistry Communications, 2001, 3, 608-612. | 4.7 | 28 |
| 24 | Ordered nanoporous arrays of carbon supporting high dispersions of platinum nanoparticles. Nature, 2001, 412, 169-172. | 27.8 | 2,439 |
| 25 | Poisoning the Active Site of Electrochemical Reduction of Dioxygen on Metal Monolayer Modified Electrode Surfaces. Langmuir, 2000, 16, 1397-1406. | 3.5 | 29 |
| 26 | Deep Etching of Silicon Based on Metal-Assisted Chemical Etching. ACS Omega, 0, , . | 3.5 | 7 |