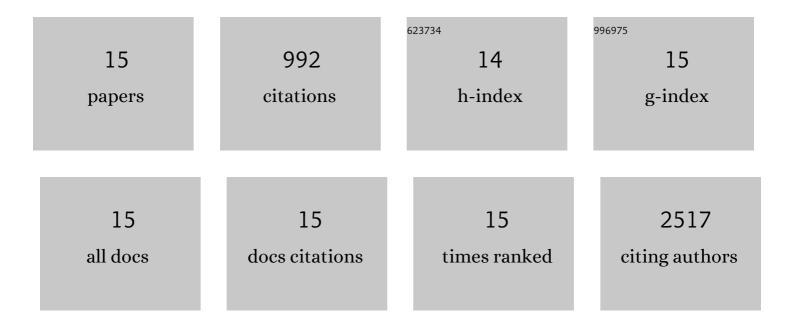
## Soonmin Yim

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3303438/publications.pdf Version: 2024-02-01



SOONMIN VIM

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Controlled Doping of Vacancy-Containing Few-Layer MoS <sub>2</sub> <i>via</i> Highly Stable<br>Thiol-Based Molecular Chemisorption. ACS Nano, 2015, 9, 12115-12123.  | 14.6 | 320       |
| 2  | High-resolution nanotransfer printing applicable to diverse surfaces via interface-targeted adhesion switching. Nature Communications, 2014, 5, 5387.  | 12.8 | 178       |
| 3  | Atomic Layer Etching Mechanism of MoS <sub>2</sub> for Nanodevices. ACS Applied Materials &<br>Interfaces, 2017, 9, 11967-11976.   | 8.0  | 81        |
| 4  | Ultrasensitive MoS2 photodetector by serial nano-bridge multi-heterojunction. Nature<br>Communications, 2019, 10, 4701.  | 12.8 | 66        |
| 5  | Extremely Small Pyrrhotite Fe <sub>7</sub> S <sub>8</sub> Nanocrystals with Simultaneous<br>Carbonâ€Encapsulation for Highâ€Performance Na–Ion Batteries. Small, 2018, 14, 1702816.  | 10.0 | 62        |
| 6  | Long-Term Stable 2H-MoS <sub>2</sub> Dispersion: Critical Role of Solvent for Simultaneous Phase<br>Restoration and Surface Functionalization of Liquid-Exfoliated MoS <sub>2</sub> . ACS Omega, 2017, 2,<br>4678-4687.              | 3.5  | 55        |
| 7  | Natural-Wood-Derived Lignosulfonate Ionomer as Multifunctional Binder for High-Performance<br>Lithium–Sulfur Battery. ACS Sustainable Chemistry and Engineering, 2019, 7, 17580-17586.   | 6.7  | 43        |
| 8  | Area-Selective Lift-Off Mechanism Based on Dual-Triggered Interfacial Adhesion Switching: Highly<br>Facile Fabrication of Flexible Nanomesh Electrode. ACS Nano, 2017, 11, 3506-3516.  | 14.6 | 33        |
| 9  | Interfacial band-edge engineered TiO2 protection layer on Cu2O photocathodes for efficient water reduction reaction. Electronic Materials Letters, 2017, 13, 57-65.  | 2.2  | 33        |
| 10 | Highly Asymmetric n <sup>+</sup> –p Heterojunction Quantumâ€Dot Solar Cells with Significantly<br>Improved Chargeâ€Collection Efficiencies. Advanced Materials, 2016, 28, 1780-1787.   | 21.0 | 29        |
| 11 | Versatile, transferrable 3-dimensionally nanofabricated Au catalysts with high-index crystal planes for highly efficient and robust electrochemical CO <sub>2</sub> reduction. Journal of Materials Chemistry A, 2019, 7, 6045-6052. | 10.3 | 28        |
| 12 | Transferrable Plasmonic Au Thin Film Containing Sub-20 nm Nanohole Array Constructed via<br>High-Resolution Polymer Self-Assembly and Nanotransfer Printing. ACS Applied Materials &<br>Interfaces, 2018, 10, 2216-2223.             | 8.0  | 22        |
| 13 | In Situ Nanolithography with Subâ€10 nm Resolution Realized by Thermally Assisted Spinâ€Casting of a<br>Selfâ€Assembling Polymer. Advanced Materials, 2015, 27, 4814-4822.   | 21.0 | 20        |
| 14 | Surfaceâ€Shielding Nanostructures Derived from Selfâ€Assembled Block Copolymers Enable Reliable<br>Plasma Doping for Few‣ayer Transition Metal Dichalcogenides. Advanced Functional Materials, 2016,<br>26, 5631-5640.               | 14.9 | 19        |
| 15 | Nanopatterned High-Frequency Supporting Structures Stably Eliminate Substrate Effects Imposed on<br>Two-Dimensional Semiconductors. Nano Letters, 2018, 18, 2893-2902.   | 9.1  | 3         |