

# Junwoo Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11577166/publications.pdf>

Version: 2024-02-01

22  
papers

692  
citations

623734

14  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

656  
citing authors

| #  | ARTICLE                                                                                                                                                                                      | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Interfacial Ion-Trapping Electrolyte-Gated Transistors for High-Fidelity Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2022, 32, .                                          | 14.9 | 12        |
| 2  | Controlled Hysteresis of Conductance in Molecular Tunneling Junctions. <i>ACS Nano</i> , 2022, 16, 4206-4216.                                                                                | 14.6 | 3         |
| 3  | Rectification in Molecular Tunneling Junctions Based on Alkanethiolates with Bipyridine-Metal Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 2156-2163.             | 13.7 | 40        |
| 4  | Conformation, and Charge Tunneling through Molecules in SAMs. <i>Journal of the American Chemical Society</i> , 2021, 143, 3481-3493.                                                        | 13.7 | 30        |
| 5  | Characterizing Chelation at Surfaces by Charge Tunneling. <i>Journal of the American Chemical Society</i> , 2021, 143, 5967-5977.                                                            | 13.7 | 10        |
| 6  | Verification of Carrier Concentration-Dependent Behavior in Water-Infiltration-Induced Electricity Generation by Ionovoltaic Effect. <i>Small</i> , 2021, 17, e2103448.                      | 10.0 | 13        |
| 7  | Cu <sub>2</sub> O Nanowires Based Flexible Ionovoltaic Device for Droplet-Flow-Induced Electrical Energy Generation. <i>ACS Applied Energy Materials</i> , 2020, 3, 1253-1259.               | 5.1  | 15        |
| 8  | Identification of water-infiltration-induced electrical energy generation by ionovoltaic effect in porous CuO nanowire films. <i>Energy and Environmental Science</i> , 2020, 13, 3432-3438. | 30.8 | 46        |
| 9  | Natural Evaporation-Driven Ionovoltaic Electricity Generation. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1746-1751.                                                                 | 4.3  | 53        |
| 10 | Investigation on Resistivity-Dependent Behavior of Carbon-Composite-Based Paintable Ionovoltaic Device. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1059-1064.                        | 4.3  | 4         |
| 11 | Dipole-Induced Rectification Across Ag <sup>TS</sup> /SAM//Ga <sub>2</sub> O <sub>3</sub> /EGaIn Junctions. <i>Journal of the American Chemical Society</i> , 2019, 141, 8969-8980.          | 13.7 | 40        |
| 12 | Ionovoltaic urea sensor. <i>Nano Energy</i> , 2019, 57, 195-201.                                                                                                                             | 16.0 | 18        |
| 13 | A Surface-Functionalized Ionovoltaic Device for Probing Ion-Specific Adsorption at the Solid-Liquid Interface. <i>Advanced Materials</i> , 2019, 31, e1806268.                               | 21.0 | 22        |
| 14 | Ion Specificity on Electric Energy Generated by Flowing Water Droplets. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2091-2095.                                              | 13.8 | 58        |
| 15 | Ion Specificity on Electric Energy Generated by Flowing Water Droplets. <i>Angewandte Chemie</i> , 2018, 130, 2113-2117.                                                                     | 2.0  | 4         |
| 16 | Electricity modulation of a water motion active transducer via surface functionality control. <i>Nano Energy</i> , 2017, 40, 447-453.                                                        | 16.0 | 14        |
| 17 | Identification of Droplet-Flow-Induced Electric Energy on Electrolyte-Insulator-Semiconductor Structure. <i>Journal of the American Chemical Society</i> , 2017, 139, 10968-10971.           | 13.7 | 56        |
| 18 | Analysis on characteristics of contact-area-dependent electric energy induced by ion sorption at solid-liquid interface. <i>Nano Energy</i> , 2017, 42, 257-261.                             | 16.0 | 16        |

| #  | ARTICLE                                                                                                                                                                       | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Fabric Active Transducer Stimulated by Water Motion for Self-Powered Wearable Device. ACS Applied Materials & Interfaces, 2016, 8, 24579-24584.                               | 8.0  | 20        |
| 20 | Fluidic Active Transducer for Electricity Generation. Scientific Reports, 2015, 5, 15695.                                                                                     | 3.3  | 29        |
| 21 | Influences of Surface and Ionic Properties on Electricity Generation of an Active Transducer Driven by Water Motion. Journal of Physical Chemistry Letters, 2015, 6, 745-749. | 4.6  | 52        |
| 22 | An effective energy harvesting method from a natural water motion active transducer. Energy and Environmental Science, 2014, 7, 3279-3283.                                    | 30.8 | 137       |