Junwoo Park

List of Publications by Year
in descending order

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	An effective energy harvesting method from a natural water motion active transducer. Energy and Environmental Science, 2014, 7, 3279-3283.	30.8	137
2	Ion Specificity on Electric Energy Generated by Flowing Water Droplets. Angewandte Chemie - International Edition, 2018, 57, 2091-2095.	13.8	58
3	Identification of Droplet-Flow-Induced Electric Energy on Electrolyteâ€“Insulatorâ€“Semiconductor Structure. Journal of the American Chemical Society, 2017, 139, 10968-10971.	13.7	56
4	Natural Evaporation-Driven Ionovoltaic Electricity Generation. ACS Applied Electronic Materials, 2019, 1, 1746-1751.	4.3	53
5	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
6	Identification of water-infiltration-induced electrical energy generation by ionovoltaic effect in porous CuO nanowire films. Energy and Environmental Science, 2020, 13, 3432-3438.	30.8	46
7	Dipole-Induced Rectification Across Ag^{TS}/SAM//Ga₂O₃/EGaIn Junctions. Journal of the American Chemical Society, 2019, 141, 8969-8980.	13.7	40
8	Rectification in Molecular Tunneling Junctions Based on Alkanethiolates with Bipyridineâ€“Metal Complexes. Journal of the American Chemical Society, 2021, 143, 2156-2163.	13.7	40
9	Conformation, and Charge Tunneling through Molecules in SAMs. Journal of the American Chemical Society, 2021, 143, 3481-3493.	13.7	30
10	Fluidic Active Transducer for Electricity Generation. Scientific Reports, 2015, 5, 15695.	3.3	29
11	A Surfaceâ€Functionalized Ionovoltaic Device for Probing Ionâ€Specific Adsorption at the Solidâ€“Liquid Interface. Advanced Materials, 2019, 31, e1806268.	21.0	22
12	Fabric Active Transducer Stimulated by Water Motion for Self-Powered Wearable Device. ACS Applied Materials & Interfaces, 2016, 8, 24579-24584.	8.0	20
13	Ionovoltaic urea sensor. Nano Energy, 2019, 57, 195-201.	16.0	18
14	Analysis on characteristics of contact-area-dependent electric energy induced by ion sorption at solid-liquid interface. Nano Energy, 2017, 42, 257-261.	16.0	16
15	Cu_xO Nanowires Based Flexible Ionovoltaic Device for Droplet-Flow-Induced Electrical Energy Generation. ACS Applied Energy Materials, 2020, 3, 1253-1259.	5.1	15
16	Electricity modulation of a water motion active transducer via surface functionality control. Nano Energy, 2017, 40, 447-453.	16.0	14
17	Verification of Carrier Concentrationâ€Dependent Behavior in Waterâ€Infiltrationâ€Induced Electricity Generation by Ionovoltaic Effect. Small, 2021, 17, e2103448.	10.0	13
18	Interfacial Ionâ€Trapping Electrolyteâ€Gated Transistors for Highâ€Fidelity Neuromorphic Computing. Advanced Functional Materials, 2022, 32, .	14.9	12

#	Article	IF	Citations
19	Characterizing Chelation at Surfaces by Charge Tunneling. Journal of the American Chemical Society, 2021, 143, 5967-5977.	13.7	10
20	Ion Specificity on Electric Energy Generated by Flowing Water Droplets. Angewandte Chemie, 2018, 130, 2113-2117.	2.0	4
21	Investigation on Resistivity-Dependent Behavior of Carbon-Composite-Based Paintable Ionovoltaic Device. ACS Applied Electronic Materials, 2019, 1, 1059-1064.	4.3	4
22	Controlled Hysteresis of Conductance in Molecular Tunneling Junctions. ACS Nano, 2022, 16, 4206-4216.	14.6	3