Seung-Ryong Kwon

List of Publications by Year
in descending order

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24 papers	319 citations	840776 11 h-index	888059 17 g-index
24 all docs	24 docs citations	24 times ranked	466 citing authors

#	Article	IF	Citations
1	Single Entity Electrochemistry in Nanopore Electrode Arrays: Ion Transport Meets Electron Transfer in Confined Geometries. Accounts of Chemical Research, 2020, 53, 719-728.	15.6	50
2	Miniaturized Reverse Electrodialysis-Powered Biosensor Using Electrochemiluminescence on Bipolar Electrode. Analytical Chemistry, 2018, 90, 4749-4755.	6.5	31
3	Densely charged polyelectrolyte-stuffed nanochannel arrays for power generation from salinity gradient. Scientific Reports, 2016, 6, 26416.	3.3	26
4	Asymmetric Nafion-Coated Nanopore Electrode Arrays as Redox-Cycling-Based Electrochemical Diodes. ACS Nano, 2018, 12, 9177-9185.	14.6	24
5	Electrochemical Surface-Enhanced Raman Spectroscopy of Pyocyanin Secreted by Pseudomonas aeruginosa Communities. Langmuir, 2019, 35, 7043-7049.	3.5	24
6	Ionic Circuits Powered by Reverse Electrodialysis for an Ultimate Iontronic System. Scientific Reports, 2017, 7, 14068.	3.3	23
7	Ion Gating in Nanopore Electrode Arrays with Hierarchically Organized pH-Responsive Block Copolymer Membranes. ACS Applied Materials & Interfaces, 2020, 12, 55116-55124.	8.0	20
8	Voltageâ€Gated Nanoparticle Transport and Collisions in Attoliterâ€Volume Nanopore Electrode Arrays. Small, 2018, 14, e1703248.	10.0	17
9	Capture of Single Silver Nanoparticles in Nanopore Arrays Detected by Simultaneous Amperometry and Surface-Enhanced Raman Scattering. Analytical Chemistry, 2019, 91, 4568-4576.	6.5	16
10	Electrodeless Reverse Electrodialysis Patches as an Ionic Power Source for Active Transdermal Drug Delivery. Advanced Functional Materials, 2018, 28, 1705952.	14.9	14
11	Redox Cycling in Individually Encapsulated Attoliter-Volume Nanopores. ACS Nano, 2018, 12, 12923-12931.	14.6	13
12	Redox cycling-based detection of phenazine metabolites secreted from Pseudomonas aeruginosa in nanopore electrode arrays. Analyst, The, 2021, 146, 1346-1354.	3.5	10
13	Electrowettingâ€Mediated Transport to Produce Electrochemical Transistor Action in Nanopore Electrode Arrays. Small, 2020, 16, e1907249.	10.0	8
14	Electrochemical Zero-Mode Waveguide Potential-Dependent Fluorescence of Glutathione Reductase at Single-Molecule Occupancy. Analytical Chemistry, 2022, 94, 3970-3977.	6.5	8
15	Use of 1,3-dithiane combined with aryldiazonium cation for immobilization of biomolecules based on electrochemical addressing. Chemical Communications, 2009, , 4865.	4.1	7
16	Reverse Electrodialysis-Assisted Solar Water Splitting. Scientific Reports, 2017, 7, 12281.	3.3	7
17	Electrochemically active cyclic disulfide-ended organic silane linkage for preparation of multi-biofunctional electrode surfaces. Electrochemistry Communications, 2012, 20, 52-55.	4.7	6
18	Gold-plated magnetic polymers for highly specific enrichment and label-free detection of blood biomarkers under physiological conditions. Chemical Communications, 2014, 50, 10066-10069.	4.1	6

#	Article	IF	Citations
19	Actively Controllable Solid-Phase Microextraction in a Hierarchically Organized Block Copolymer-Nanopore Electrode Array Sensor for Charge-Selective Detection of Bacterial Metabolites. Analytical Chemistry, 2021, 93, 14481-14488.	6.5	5
20	Potential-induced wetting and dewetting in pH-responsive block copolymer membranes for mass transport control. Faraday Discussions, 2021, 233, 283-294.	3.2	2
21	Potential-induced wetting and dewetting in hydrophobic nanochannels for mass transport control. Current Opinion in Electrochemistry, 2022, 34, 100980.	4.8	2
22	Differential anodic oxidation of single organic linkage molecules enabling orthogonal bio-immobilization. Electrochemistry Communications, 2013, 31, 96-99.	4.7	0
23	Electrochemical Zero-Mode Waveguide Studies of Single Enzyme Reactions. , 2018, 2018, .		0
24	Drug Delivery: Electrodeless Reverse Electrodialysis Patches as an Ionic Power Source for Active Transdermal Drug Delivery (Adv. Funct. Mater. 15/2018). Advanced Functional Materials, 2018, 28, 1870100.	14.9	0