

Seung-Ryong Kwon

List of Publications by Year in descending order

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24
papers

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840776

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citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Zero-Mode Waveguide Potential-Dependent Fluorescence of Glutathione Reductase at Single-Molecule Occupancy. <i>Analytical Chemistry</i> , 2022, 94, 3970-3977.	6.5	8
2	Potential-induced wetting and dewetting in hydrophobic nanochannels for mass transport control. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 100980.	4.8	2
3	Redox cycling-based detection of phenazine metabolites secreted from <i>Pseudomonas aeruginosa</i> in nanopore electrode arrays. <i>Analyst</i> , 2021, 146, 1346-1354.	3.5	10
4	Actively Controllable Solid-Phase Microextraction in a Hierarchically Organized Block Copolymer-Nanopore Electrode Array Sensor for Charge-Selective Detection of Bacterial Metabolites. <i>Analytical Chemistry</i> , 2021, 93, 14481-14488.	6.5	5
5	Potential-induced wetting and dewetting in pH-responsive block copolymer membranes for mass transport control. <i>Faraday Discussions</i> , 2021, 233, 283-294.	3.2	2
6	Ion Gating in Nanopore Electrode Arrays with Hierarchically Organized pH-Responsive Block Copolymer Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55116-55124.	8.0	20
7	Single Entity Electrochemistry in Nanopore Electrode Arrays: Ion Transport Meets Electron Transfer in Confined Geometries. <i>Accounts of Chemical Research</i> , 2020, 53, 719-728.	15.6	50
8	Electrowetting-Mediated Transport to Produce Electrochemical Transistor Action in Nanopore Electrode Arrays. <i>Small</i> , 2020, 16, e1907249.	10.0	8
9	Electrochemical Surface-Enhanced Raman Spectroscopy of Pyocyanin Secreted by <i>Pseudomonas aeruginosa</i> Communities. <i>Langmuir</i> , 2019, 35, 7043-7049.	3.5	24
10	Capture of Single Silver Nanoparticles in Nanopore Arrays Detected by Simultaneous Amperometry and Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2019, 91, 4568-4576.	6.5	16
11	Miniaturized Reverse Electrodialysis-Powered Biosensor Using Electrochemiluminescence on Bipolar Electrode. <i>Analytical Chemistry</i> , 2018, 90, 4749-4755.	6.5	31
12	Voltage-Gated Nanoparticle Transport and Collisions in Attoliter-Volume Nanopore Electrode Arrays. <i>Small</i> , 2018, 14, e1703248.	10.0	17
13	Electrodeless Reverse Electrodialysis Patches as an Ionic Power Source for Active Transdermal Drug Delivery. <i>Advanced Functional Materials</i> , 2018, 28, 1705952.	14.9	14
14	Electrochemical Zero-Mode Waveguide Studies of Single Enzyme Reactions. , 2018, 2018, .		0
15	Redox Cycling in Individually Encapsulated Attoliter-Volume Nanopores. <i>ACS Nano</i> , 2018, 12, 12923-12931.	14.6	13
16	Drug Delivery: Electrodeless Reverse Electrodialysis Patches as an Ionic Power Source for Active Transdermal Drug Delivery (<i>Adv. Funct. Mater.</i> 15/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870100.	14.9	0
17	Asymmetric Nafion-Coated Nanopore Electrode Arrays as Redox-Cycling-Based Electrochemical Diodes. <i>ACS Nano</i> , 2018, 12, 9177-9185.	14.6	24
18	Ionic Circuits Powered by Reverse Electrodialysis for an Ultimate Iontronic System. <i>Scientific Reports</i> , 2017, 7, 14068.	3.3	23

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19	Reverse Electrodialysis-Assisted Solar Water Splitting. <i>Scientific Reports</i> , 2017, 7, 12281.	3.3	7
20	Densely charged polyelectrolyte-stuffed nanochannel arrays for power generation from salinity gradient. <i>Scientific Reports</i> , 2016, 6, 26416.	3.3	26
21	Gold-plated magnetic polymers for highly specific enrichment and label-free detection of blood biomarkers under physiological conditions. <i>Chemical Communications</i> , 2014, 50, 10066-10069.	4.1	6
22	Differential anodic oxidation of single organic linkage molecules enabling orthogonal bio-immobilization. <i>Electrochemistry Communications</i> , 2013, 31, 96-99.	4.7	0
23	Electrochemically active cyclic disulfide-ended organic silane linkage for preparation of multi-biofunctional electrode surfaces. <i>Electrochemistry Communications</i> , 2012, 20, 52-55.	4.7	6
24	Use of 1,3-dithiane combined with aryldiazonium cation for immobilization of biomolecules based on electrochemical addressing. <i>Chemical Communications</i> , 2009, , 4865.	4.1	7