Ran Chen

List of Publications by Year
in descending order

20 papers	607 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	599 citing authors

#	Article	IF	Citations
1	Origins of Nanoscale Damage to Glass-Sealed Platinum Electrodes with Submicrometer and Nanometer Size. Analytical Chemistry, 2013, 85, 6198-6202.	6.5	104
2	Organic Contamination of Highly Oriented Pyrolytic Graphite As Studied by Scanning Electrochemical Microscopy. Analytical Chemistry, 2015, 87, 4836-4843.	6.5	78
3	Single Synaptic Observation of Cholinergic Neurotransmission on Living Neurons: Concentration and Dynamics. Journal of the American Chemical Society, 2018, 140, 7764-7768.	13.7	67
4	Ultrafast Electron Transfer Kinetics of Graphene Grown by Chemical Vapor Deposition. Angewandte Chemie - International Edition, 2015, 54, 15134-15137.	13.8	49
5	GABA Detection with Nano-ITIES Pipet Electrode: A New Mechanism, Water/DCEâ€“Octanoic Acid Interface. Analytical Chemistry, 2018, 90, 3067-3072.	6.5	47
6	Focused-Ion-Beam-Milled Carbon Nanoelectrodes for Scanning Electrochemical Microscopy. Journal of the Electrochemical Society, 2016, 163, H3032-H3037.	2.9	45
7	Origin of Asymmetry of Paired Nanogap Voltammograms Based on Scanning Electrochemical Microscopy: Contamination Not Adsorption. Analytical Chemistry, 2016, 88, 8323-8331.	6.5	33
8	Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical Research, 2016, 49, 2007-2014.	15.6	29
9	Characterization of Nanopipet-Supported ITIES Tips for Scanning Electrochemical Microscopy of Single Solid-State Nanopores. Analytical Chemistry, 2017, 89, 9946-9952.	6.5	24
10	Ultraflat, Pristine, and Robust Carbon Electrode for Fast Electron-Transfer Kinetics. Analytical Chemistry, 2017, 89, 13532-13540.	6.5	22
11	Voltammetric Measurement of Adsorption Isotherm for Ferrocene Derivatives on Highly Oriented Pyrolytic Graphite. Analytical Chemistry, 2018, 90, 13632-13639.	6.5	21
12	Self-Inhibitory Electron Transfer of the Co(III)/Co(II)-Complex Redox Couple at Pristine Carbon Electrode. Analytical Chemistry, 2018, 90, 11115-11123.	6.5	19
13	Nanoelectrochemistry in the study of single-cell signaling. Analytical and Bioanalytical Chemistry, 2020, 412, 6121-6132.	3.7	15
14	Avocado oil, coconut oil, walnut oil as true oil phase for ion transfer at nanoscale liquid/liquid interfaces. Electrochimica Acta, 2020, 357, 136788.	5.2	12
15	Nanoscale Intelligent Imaging Based on Real-Time Analysis of Approach Curve by Scanning Electrochemical Microscopy. Analytical Chemistry, 2019, 91, 10227-10235.	6.5	9
16	Detection of Acetylcholine at Nanoscale NPOE/Water Liquid/Liquid Interface Electrodes. Analytical Chemistry, 2021, 93, 16535-16542.	6.5	9
17	A Newly Synthesized Tris(crown ether) Ionophore for Assisted Ion Transfer at NanoITIES Electrodes. ChemElectroChem, 2020, 7, 967-974.	3.4	7
18	Detection of zwitterion at an electrified liquid-liquid interface: A chemical equilibrium perspective. Journal of Electroanalytical Chemistry, 2020, 873, 114303.	3.8	5

#	Article	IF	Citations
19	A Nanopipette Platform for Delivering Nanoliter Volumes of Acetylcholine. Journal of the Electrochemical Society, 2018, 165, G3093-G3098.	2.9	4
20	REAL TIME STUDIES OF ACETYLCHOLINE RELEASE FROM SINGLE SYNAPSES AND SINGLE CELLS WITH NANOMETER SPATIAL RESOLUTION. , 2019, , 161-178.		2