Chiao-Chen Chen

List of Publications by Year
in descending order

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19	755	567281 15	839539 18
papers	citations	h-index	g-index

19	19	19	935
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laminar Flow-Assisted Metal Etching for the Preparation of High-Quality Transfer-Free Graphene. Chemistry of Materials, 2022, 34, 5471-5483.	6.7	0
2	Spatial Confinement Approach Using Ni to Modulate Local Carbon Supply for the Growth of Uniform Transfer-Free Graphene Monolayers. Journal of Physical Chemistry C, 2020, 124, 23094-23105.	3.1	7
3	Lipid-Modified Graphene-Transistor Biosensor for Monitoring Amyloid-Î² Aggregation. ACS Applied Materials & Interfaces, 2018, 10, 12311-12316.	8.0	21
4	One-Step Synthesis of Antioxidative Graphene-Wrapped Copper Nanoparticles on Flexible Substrates for Electronic and Electrocatalytic Applications. ACS Applied Materials & Interfaces, 2017, 9, 25067-25072.	8.0	21
5	Site-specific covalent modifications of human insulin by catechol estrogens: Reactivity and induced structural and functional changes. Scientific Reports, 2016, 6, 28804.	3.3	19
6	Growth of Large-Area Graphene Single Crystals in Confined Reaction Space with Diffusion-Driven Chemical Vapor Deposition. Chemistry of Materials, 2015, 27, 6249-6258.	6.7	72
7	Advances in nanowire transistors for biological analysis and cellular investigation. Analyst, The, 2014, 139, 1589.	3.5	52
8	Potentiometric-Scanning Ion Conductance Microscopy. Langmuir, 2014, 30, 5669-5675.	3.5	33
9	Scanning Ion Conductance Microscopy Measurement of Paracellular Channel Conductance in Tight Junctions. Analytical Chemistry, 2013, 85, 3621-3628.	6.5	59
10	Potentiometric-scanning ion conductance microscopy for measurement at tight junctions. Tissue Barriers, 2013, 1, e25585.	3.2	16
11	Local pH Measurement with Scanning Ion Conductance Microscopy. Journal of the Electrochemical Society, 2013, 160, H430-H435.	2.9	33
12	Transport of redox probes through single pores measured by scanning electrochemical-scanning ion conductance microscopy (SECM-SICM). Analyst, The, 2012, 137, 2933.	3.5	63
13	Scanning Ion Conductance Microscopy. Annual Review of Analytical Chemistry, 2012, 5, 207-228.	5.4	179
14	Heterogeneity of Multiple-Pore Membranes Investigated with Ion Conductance Microscopy. Analytical Chemistry, 2012, 84, 3003-3009.	6.5	34
15	Effects of pipette modulation and imaging distances on ion currents measured with Scanning Ion Conductance Microscopy (SICM). Analyst, The, 2011, 136, 90-97.	3.5	43
16	Single-Nanopore Investigations with Ion Conductance Microscopy. ACS Nano, 2011, 5, 8404-8411.	14.6	43
17	Waves in microscopy. Nature Chemistry, 2011, 3, 191-192.	13.6	2
18	Measurement of Ion Currents through Porous Membranes with Scanning Ion Conductance Microscopy. Analytical Chemistry, 2009, 81, 4742-4751.	6.5	56

#	Article	IF	Citations
19	Multiâ€Channel Piezoelectric Quartz Crystal Sensor with Principal Component Analysis and Backâ€Propagation Neural Network for Organic Pollutants from Petrochemical Plants. Journal of the Chinese Chemical Society, 2008, 55, 979-993.	1.4	2