

# Chiao-Chen Chen

## List of Publications by Year in descending order

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19  
papers

755  
citations

567281

15  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scanning Ion Conductance Microscopy. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 207-228.	5.4	179
2	Growth of Large-Area Graphene Single Crystals in Confined Reaction Space with Diffusion-Driven Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2015, 27, 6249-6258.	6.7	72
3	Transport of redox probes through single pores measured by scanning electrochemical-scanning ion conductance microscopy (SECM-SICM). <i>Analyst, The</i> , 2012, 137, 2933.	3.5	63
4	Scanning Ion Conductance Microscopy Measurement of Paracellular Channel Conductance in Tight Junctions. <i>Analytical Chemistry</i> , 2013, 85, 3621-3628.	6.5	59
5	Measurement of Ion Currents through Porous Membranes with Scanning Ion Conductance Microscopy. <i>Analytical Chemistry</i> , 2009, 81, 4742-4751.	6.5	56
6	Advances in nanowire transistors for biological analysis and cellular investigation. <i>Analyst, The</i> , 2014, 139, 1589.	3.5	52
7	Effects of pipette modulation and imaging distances on ion currents measured with Scanning Ion Conductance Microscopy (SICM). <i>Analyst, The</i> , 2011, 136, 90-97.	3.5	43
8	Single-Nanopore Investigations with Ion Conductance Microscopy. <i>ACS Nano</i> , 2011, 5, 8404-8411.	14.6	43
9	Heterogeneity of Multiple-Pore Membranes Investigated with Ion Conductance Microscopy. <i>Analytical Chemistry</i> , 2012, 84, 3003-3009.	6.5	34
10	Local pH Measurement with Scanning Ion Conductance Microscopy. <i>Journal of the Electrochemical Society</i> , 2013, 160, H430-H435.	2.9	33
11	Potentiometric-Scanning Ion Conductance Microscopy. <i>Langmuir</i> , 2014, 30, 5669-5675.	3.5	33
12	One-Step Synthesis of Antioxidative Graphene-Wrapped Copper Nanoparticles on Flexible Substrates for Electronic and Electrocatalytic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25067-25072.	8.0	21
13	Lipid-Modified Graphene-Transistor Biosensor for Monitoring Amyloid- $\beta^2$ Aggregation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12311-12316.	8.0	21
14	Site-specific covalent modifications of human insulin by catechol estrogens: Reactivity and induced structural and functional changes. <i>Scientific Reports</i> , 2016, 6, 28804.	3.3	19
15	Potentiometric-scanning ion conductance microscopy for measurement at tight junctions. <i>Tissue Barriers</i> , 2013, 1, e25585.	3.2	16
16	Spatial Confinement Approach Using Ni to Modulate Local Carbon Supply for the Growth of Uniform Transfer-Free Graphene Monolayers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23094-23105.	3.1	7
17	Multi-Channel Piezoelectric Quartz Crystal Sensor with Principal Component Analysis and Back-Propagation Neural Network for Organic Pollutants from Petrochemical Plants. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 979-993.	1.4	2
18	Waves in microscopy. <i>Nature Chemistry</i> , 2011, 3, 191-192.	13.6	2

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19	Laminar Flow-Assisted Metal Etching for the Preparation of High-Quality Transfer-Free Graphene. <i>Chemistry of Materials</i> , 2022, 34, 5471-5483.	6.7	0