

Aleix G GÃ¼ell

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,038
citations

331538

21
h-index

580701

25
g-index

25
all docs

25
docs citations

25
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Electrochemistry of sp^2 Carbon Materials: From Graphite and Graphene to Carbon Nanotubes. <i>Accounts of Chemical Research</i> , 2016, 49, 2041-2048.	7.6	188
2	Versatile Polymer-Free Graphene Transfer Method and Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8008-8016.	4.0	95
3	Electrochemistry at highly oriented pyrolytic graphite (HOPG): lower limit for the kinetics of outer-sphere redox processes and general implications for electron transfer models. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11827-11838.	1.3	53
4	Quad-Barrel Multifunctional Electrochemical and Ion Conductance Probe for Voltammetric Analysis and Imaging. <i>Analytical Chemistry</i> , 2015, 87, 3566-3573.	3.2	51
5	Redox-Dependent Spatially Resolved Electrochemistry at Graphene and Graphite Step Edges. <i>ACS Nano</i> , 2015, 9, 3558-3571.	7.3	152
6	Selection, characterisation and mapping of complex electrochemical processes at individual single-walled carbon nanotubes: the case of serotonin oxidation. <i>Faraday Discussions</i> , 2014, 172, 439-455.	1.6	17
7	Role of surface contaminants, functionalities, defects and electronic structure: general discussion. <i>Faraday Discussions</i> , 2014, 172, 365-395.	1.6	1
8	Spatial and Temporal Control of the Diazonium Modification of sp^2 Carbon Surfaces. <i>Journal of the American Chemical Society</i> , 2014, 136, 36-39.	6.6	80
9	Carbon electrode interfaces for synthesis, sensing and electrocatalysis: general discussion. <i>Faraday Discussions</i> , 2014, 172, 497-520.	1.6	1
10	Mapping Nanoscale Electrochemistry of Individual Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2014, 14, 220-224.	4.5	83
11	Nanoscale Electrocatalysis: Visualizing Oxygen Reduction at Pristine, Kinked, and Oxidized Sites on Individual Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2014, 136, 11252-11255.	6.6	139
12	Scanning Electrochemical Cell Microscopy: A Versatile Technique for Nanoscale Electrochemistry and Functional Imaging. <i>Annual Review of Analytical Chemistry</i> , 2013, 6, 329-351.	2.8	252
13	Boron doped diamond ultramicroelectrodes: a generic platform for sensing single nanoparticle electrocatalytic collisions. <i>Chemical Communications</i> , 2013, 49, 5657.	2.2	50
14	Quantitative nanoscale visualization of heterogeneous electron transfer rates in 2D carbon nanotube networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11487-11492.	3.3	93
15	Scanning Electrochemical Cell Microscopy: Theory and Experiment for Quantitative High Resolution Spatially-Resolved Voltammetry and Simultaneous Ion-Conductance Measurements. <i>Analytical Chemistry</i> , 2012, 84, 2483-2491.	3.2	211
16	Structural Correlations in Heterogeneous Electron Transfer at Monolayer and Multilayer Graphene Electrodes. <i>Journal of the American Chemical Society</i> , 2012, 134, 7258-7261.	6.6	157
17	Electrochemistry at carbon nanotube forests: sidewalls and closed ends allow fast electron transfer. <i>Chemical Communications</i> , 2012, 48, 7435.	2.2	37
18	Trace voltammetric detection of serotonin at carbon electrodes: comparison of glassy carbon, boron doped diamond and carbon nanotube network electrodes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10108.	1.3	81

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19	Lithographically Patterned Nanowire Electrodeposition: A Method for Patterning Electrically Continuous Metal Nanowires on Dielectrics. <i>ACS Nano</i> , 2008, 2, 1939-1949.	7.3	133
20	Tunable Two-Photon Excited Luminescence in Single Gold Nanowires Fabricated by Lithographically Patterned Nanowire Electrodeposition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12721-12727.	1.5	38
21	Coupled Electrooxidation and Electrical Conduction in a Single Gold Nanowire. <i>Nano Letters</i> , 2008, 8, 3017-3022.	4.5	30
22	Conductance Maps by Electrochemical Tunneling Spectroscopy To Fingerprint the Electrode Electronic Structure. <i>Analytical Chemistry</i> , 2006, 78, 7325-7329.	3.2	23
23	Nanomechanics of silicon surfaces with atomic force microscopy: An insight to the first stages of plastic deformation. <i>Journal of Chemical Physics</i> , 2005, 123, 114711.	1.2	30
24	Preparation of Reliable Probes for Electrochemical Tunneling Spectroscopy. <i>Analytical Chemistry</i> , 2004, 76, 5218-5222.	3.2	41