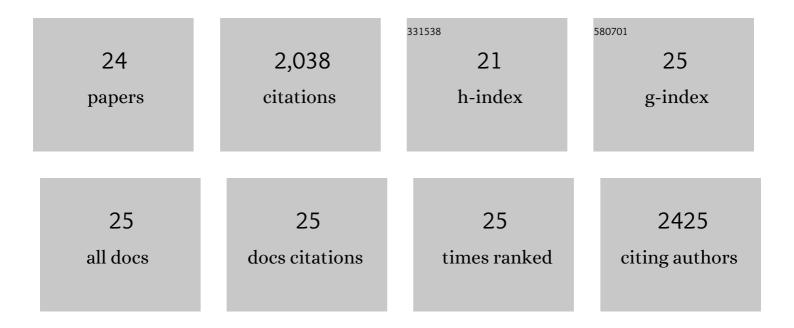
Aleix G Güell

List of Publications by Year in descending order

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ALEIN C. CÃ1/JELL

#	Article	IF	CITATIONS
1	Scanning Electrochemical Cell Microscopy: A Versatile Technique for Nanoscale Electrochemistry and Functional Imaging. Annual Review of Analytical Chemistry, 2013, 6, 329-351.	2.8	252
2	Scanning Electrochemical Cell Microscopy: Theory and Experiment for Quantitative High Resolution Spatially-Resolved Voltammetry and Simultaneous Ion-Conductance Measurements. Analytical Chemistry, 2012, 84, 2483-2491.	3.2	211
3	Nanoscale Electrochemistry of sp ² Carbon Materials: From Graphite and Graphene to Carbon Nanotubes. Accounts of Chemical Research, 2016, 49, 2041-2048.	7.6	188
4	Structural Correlations in Heterogeneous Electron Transfer at Monolayer and Multilayer Graphene Electrodes. Journal of the American Chemical Society, 2012, 134, 7258-7261.	6.6	157
5	Redox-Dependent Spatially Resolved Electrochemistry at Graphene and Graphite Step Edges. ACS Nano, 2015, 9, 3558-3571.	7.3	152
6	Nanoscale Electrocatalysis: Visualizing Oxygen Reduction at Pristine, Kinked, and Oxidized Sites on Individual Carbon Nanotubes. Journal of the American Chemical Society, 2014, 136, 11252-11255.	6.6	139
7	Lithographically Patterned Nanowire Electrodeposition: A Method for Patterning Electrically Continuous Metal Nanowires on Dielectrics. ACS Nano, 2008, 2, 1939-1949.	7.3	133
8	Versatile Polymer-Free Graphene Transfer Method and Applications. ACS Applied Materials & Interfaces, 2016, 8, 8008-8016.	4.0	95
9	Quantitative nanoscale visualization of heterogeneous electron transfer rates in 2D carbon nanotube networks. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11487-11492.	3.3	93
10	Mapping Nanoscale Electrochemistry of Individual Single-Walled Carbon Nanotubes. Nano Letters, 2014, 14, 220-224.	4.5	83
11	Trace voltammetric detection of serotonin at carbon electrodes: comparison of glassy carbon, boron doped diamond and carbon nanotube network electrodes. Physical Chemistry Chemical Physics, 2010, 12, 10108.	1.3	81
12	Spatial and Temporal Control of the Diazonium Modification of sp ² Carbon Surfaces. Journal of the American Chemical Society, 2014, 136, 36-39.	6.6	80
13	Electrochemistry at highly oriented pyrolytic graphite (HOPG): lower limit for the kinetics of outer-sphere redox processes and general implications for electron transfer models. Physical Chemistry Chemical Physics, 2015, 17, 11827-11838.	1.3	53
14	Quad-Barrel Multifunctional Electrochemical and Ion Conductance Probe for Voltammetric Analysis and Imaging. Analytical Chemistry, 2015, 87, 3566-3573.	3.2	51
15	Boron doped diamond ultramicroelectrodes: a generic platform for sensing single nanoparticle electrocatalytic collisions. Chemical Communications, 2013, 49, 5657.	2.2	50
16	Preparation of Reliable Probes for Electrochemical Tunneling Spectroscopy. Analytical Chemistry, 2004, 76, 5218-5222.	3.2	41
17	Tunable Two-Photon Excited Luminescence in Single Gold Nanowires Fabricated by Lithographically Patterned Nanowire Electrodeposition. Journal of Physical Chemistry C, 2008, 112, 12721-12727.	1.5	38
18	Electrochemistry at carbon nanotube forests: sidewalls and closed ends allow fast electron transfer. Chemical Communications, 2012, 48, 7435.	2.2	37

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#	Article	IF	CITATIONS
19	Nanomechanics of silicon surfaces with atomic force microscopy: An insight to the first stages of plastic deformation. Journal of Chemical Physics, 2005, 123, 114711.	1.2	30
20	Coupled Electrooxidation and Electrical Conduction in a Single Gold Nanowire. Nano Letters, 2008, 8, 3017-3022.	4.5	30
21	Conductance Maps by Electrochemical Tunneling Spectroscopy To Fingerprint the Electrode Electronic Structure. Analytical Chemistry, 2006, 78, 7325-7329.	3.2	23
22	Selection, characterisation and mapping of complex electrochemical processes at individual single-walled carbon nanotubes: the case of serotonin oxidation. Faraday Discussions, 2014, 172, 439-455.	1.6	17
23	Role of surface contaminants, functionalities, defects and electronic structure: general discussion. Faraday Discussions, 2014, 172, 365-395.	1.6	1
24	Carbon electrode interfaces for synthesis, sensing and electrocatalysis: general discussion. Faraday Discussions, 2014, 172, 497-520.	1.6	1