Johan Dunevall

List of Publications by Year in descending order

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35 papers	1,635 citations	304743 22 h-index	361022 35 g-index
38 all docs	38 docs citations	38 times ranked	1067 citing authors

#	Article	IF	Citations
1	Dynamic Visualization and Quantification of Single Vesicle Opening and Content by Coupling Vesicle Impact Electrochemical Cytometry with Confocal Microscopy. ACS Measurement Science Au, 2021, 1, 131-138.	4.4	8
2	Spatial Lipidomics Reveals Region and Long Chain Base Specific Accumulations of Monosialogangliosides in Amyloid Plaques in Familial Alzheimerâ€™s Disease Mice (5xFAD) Brain. ACS Chemical Neuroscience, 2020, 11, 14-24.	3.5	37
3	Direct Measurement of Total Vesicular Catecholamine Content with Electrochemical Microwell Arrays. Analytical Chemistry, 2020, 92, 11325-11331.	6.5	13
4	Intracellular Electrochemical Nanomeasurements Reveal that Exocytosis of Molecules at Living Neurons is Subquantal and Complex. Angewandte Chemie, 2020, 132, 6777-6780.	2.0	17
5	Intracellular Electrochemical Nanomeasurements Reveal that Exocytosis of Molecules at Living Neurons is Subquantal and Complex. Angewandte Chemie - International Edition, 2020, 59, 6711-6714.	13.8	43
6	Combined Amperometry and Electrochemical Cytometry Reveal Differential Effects of Cocaine and Methylphenidate on Exocytosis and the Fraction of Chemical Release. Angewandte Chemie, 2019, 131, 4282-4286.	2.0	31
7	Combined Amperometry and Electrochemical Cytometry Reveal Differential Effects of Cocaine and Methylphenidate on Exocytosis and the Fraction of Chemical Release. Angewandte Chemie - International Edition, 2019, 58, 4238-4242.	13.8	76
8	Dopamine Release Dynamics in the Tuberoinfundibular Dopamine System. Journal of Neuroscience, 2019, 39, 4009-4022.	3.6	16
9	Nanopore Opening at Flat and Nanotip Conical Electrodes during Vesicle Impact Electrochemical Cytometry. ACS Nano, 2018, 12, 3010-3019.	14.6	59
10	Electrochemical Investigation of the Interaction between Catecholamines and ATP. Analytical Chemistry, 2018, 90, 1601-1607.	6.5	6
11	Electrochemical quantification of transmitter concentration in single nanoscale vesicles isolated from PC12 cells. Faraday Discussions, 2018, 210, 353-364.	3.2	14
12	Monitoring the Effect of Osmotic Stress on Secretory Vesicles and Exocytosis. Journal of Visualized Experiments, 2018, , .	0.3	3
13	Dynamics of nanointerfaces: general discussion. Faraday Discussions, 2018, 210, 451-479.	3.2	4
14	On-Tissue Chemical Derivatization of Catecholamines Using 4-(N-Methyl)pyridinium Boronic Acid for ToF-SIMS and LDI-ToF Mass Spectrometry Imaging. Analytical Chemistry, 2018, 90, 13580-13590.	6.5	47
15	Osmotic Stress Reduces Vesicle Size while Keeping a Constant Neurotransmitter Concentration. Biophysical Journal, 2017, 112, 159a.	0.5	1
16	Nano Secondary Ion Mass Spectrometry Imaging of Dopamine Distribution Across Nanometer Vesicles. ACS Nano, 2017, 11, 3446-3455.	14.6	91
17	Extracellular Osmotic Stress Reduces the Vesicle Size while Keeping a Constant Neurotransmitter Concentration. ACS Chemical Neuroscience, 2017, 8, 368-375.	3.5	28
18	DMSO Chemically Alters Cell Membranes to Slow Exocytosis and Increase the Fraction of Partial Transmitter Released. ChemBioChem, 2017, 18, 1898-1902.	2.6	21

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19	Vesicle impact electrochemical cytometry compared to amperometric exocytosis measurements. Current Opinion in Electrochemistry, 2017, 5, 85-91.	4.8	43
20	Mechanistic Aspects of Vesicle Opening during Analysis with Vesicle Impact Electrochemical Cytometry. Analytical Chemistry, 2017, 89, 9416-9423.	6.5	44
21	Using Singleâ€Cell Amperometry To Reveal How Cisplatin Treatment Modulates the Release of Catecholamine Transmitters during Exocytosis. Angewandte Chemie, 2016, 128, 9187-9190.	2.0	25
22	RÃ¼cktitelbild: Using Single-Cell Amperometry To Reveal How Cisplatin Treatment Modulates the Release of Catecholamine Transmitters during Exocytosis (Angew. Chem. 31/2016). Angewandte Chemie, 2016, 128, 9244-9244.	2.0	0
23	Using Singleâ€Cell Amperometry To Reveal How Cisplatin Treatment Modulates the Release of Catecholamine Transmitters during Exocytosis. Angewandte Chemie - International Edition, 2016, 55, 9041-9044.	13.8	57
24	Excited Fluorophores Enhance the Opening of Vesicles at Electrode Surfaces in Vesicle Electrochemical Cytometry. Angewandte Chemie, 2016, 128, 15305-15309.	2.0	6
25	Quantitative Chemical Measurements of Vesicular Transmitters with Electrochemical Cytometry. Accounts of Chemical Research, 2016, 49, 2347-2354.	15.6	126
26	Cholesterol Alters the Dynamics of Release in Protein Independent Cell Models for Exocytosis. Scientific Reports, 2016, 6, 33702.	3.3	42
27	Excited Fluorophores Enhance the Opening of Vesicles at Electrode Surfaces in Vesicle Electrochemical Cytometry. Angewandte Chemie - International Edition, 2016, 55, 15081-15085.	13.8	23
28	On the mechanism of electrochemical vesicle cytometry: chromaffin cell vesicles and liposomes. Faraday Discussions, 2016, 193, 65-79.	3.2	62
29	Lithographic Microfabrication of a 16-Electrode Array on a Probe Tip for High Spatial Resolution Electrochemical Localization of Exocytosis. Analytical Chemistry, 2016, 88, 2080-2087.	6.5	38
30	Electrochemical Measurements of Optogenetically Stimulated Quantal Amine Release from Single Nerve Cell Varicosities in Drosophila Larvae. Angewandte Chemie - International Edition, 2015, 54, 13609-13612.	13.8	44
31	Quantitative Measurement of Transmitters in Individual Vesicles in the Cytoplasm of Single Cells with Nanotip Electrodes. Angewandte Chemie - International Edition, 2015, 54, 11978-11982.	13.8	264
32	Characterizing the Catecholamine Content of Single Mammalian Vesicles by Collisionâ€“Adsorption Events at an Electrode. Journal of the American Chemical Society, 2015, 137, 4344-4346.	13.7	178
33	The Effect of Excited Fluorophore on Vesicle Fusion at the Surface of the Electrode. Biophysical Journal, 2015, 108, 239a.	0.5	0
34	Spatial Resolution of Single-Cell Exocytosis by Microwell-Based Individually Addressable Thin Film Ultramicroelectrode Arrays. Analytical Chemistry, 2014, 86, 4515-4520.	6.5	47
35	Two modes of exocytosis in an artificial cell. Scientific Reports, 2014, 4, 3847.	3.3	29