Ashley E Ross

List of Publications by Year
in descending order

33	943	535685 17	511568 30
papers	citations	h-index	g-index

34	34	34	890
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal Nanoparticle Modified Carbon-Fiber Microelectrodes Enhance Adenosine Triphosphate Surface Interactions with Fast-Scan Cyclic Voltammetry. ACS Measurement Science Au, 2022, 2, 96-105.	1.9	12
2	Porous Carbon Nanofiber-Modified Carbon Fiber Microelectrodes for Dopamine Detection. ACS Applied Nano Materials, 2022, 5, 2241-2249.	2.4	16
3	Graphene-Fiber Microelectrodes for Ultrasensitive Neurochemical Detection. Analytical Chemistry, 2022, 94, 4803-4812.	3.2	10
4	Platinum Nanoparticle Size and Density Impacts Purine Electrochemistry with Fast-Scan Cyclic Voltammetry. Journal of the Electrochemical Society, 2022, 169, 046514.	1.3	3
5	Sustained delivery of focal ischemia coupled to real-time neurochemical sensing in brain slices. Lab on A Chip, 2022, 22, 2173-2184.	3.1	6
6	Nanostructured carbon-fiber surfaces for improved neurochemical detection. Faraday Discussions, 2021, 233, 336-353.	1.6	9
7	Amine-functionalized carbon-fiber microelectrodes for enhanced ATP detection with fast-scan cyclic voltammetry. Analytical Methods, 2021, 13, 2320-2330.	1.3	10
8	Investigations of the Purine-Electrode Interface with Fast-Scan Cyclic Voltammetry. ECS Meeting Abstracts, 2021, MA2021-01, 1717-1717.	0.0	0
9	Extended sawhorse waveform for stable zinc detection with fast-scan cyclic voltammetry. Analytical and Bioanalytical Chemistry, 2021, 413, 6727-6735.	1.9	7
10	Electrochemistry for neurochemical analysis. Analytical and Bioanalytical Chemistry, 2021, 413, 6687-6688.	1.9	1
11	Characterization of Electroactive Amino Acids with Fast-Scan Cyclic Voltammetry. Journal of the Electrochemical Society, 2021, 168, 126524.	1.3	7
12	Plasma-treated carbon-fiber microelectrodes for improved purine detection with fast-scan cyclic voltammetry. Analyst, The, 2020, 145, 805-815.	1.7	27
13	High Young's modulus carbon fibers are fouling resistant with fast-scan cyclic voltammetry. Chemical Communications, 2020, 56, 8023-8026.	2.2	8
14	Enhanced Transient Striatal Dopamine Release and Reuptake in Lphn3 Knockout Rats. ACS Chemical Neuroscience, 2020, 11, 1171-1177.	1.7	20
15	Subsecond spontaneous catecholamine release in mesenteric lymph node ex vivo. Journal of Neurochemistry, 2020, 155, 417-429.	2.1	18
16	Bioanalysis Rising Star Award 2020: announcing our finalists. Bioanalysis, 2020, 12, 817-821.	0.6	0
17	A microfluidic electrochemical flow cell capable of rapid on-chip dilution for fast-scan cyclic voltammetry electrode calibration. Analytical and Bioanalytical Chemistry, 2020, 412, 6287-6294.	1.9	5
18	Purine Functional Group Type and Placement Modulate the Interaction with Carbon-Fiber Microelectrodes. ACS Sensors, 2019, 4, 479-487.	4.0	22

#	Article	IF	Citations
19	Subsecond detection of guanosine using fast-scan cyclic voltammetry. Analyst, The, 2019, 144, 249-257.	1.7	39
20	Defect Sites Modulate Fouling Resistance on Carbon-Nanotube Fiber Electrodes. ACS Sensors, 2019, 4, 1001-1007.	4.0	46
21	Scalene Waveform for Codetection of Guanosine and Adenosine Using Fast-Scan Cyclic Voltammetry. Analytical Chemistry, 2019, 91, 5987-5993.	3.2	36
22	Diffusion of cytokines in live lymph node tissue using microfluidic integrated optical imaging. Analytica Chimica Acta, 2018, 1000, 205-213.	2.6	34
23	Real-Time Detection of Melatonin Using Fast-Scan Cyclic Voltammetry. Analytical Chemistry, 2018, 90, 8642-8650.	3.2	56
24	Spatially resolved microfluidic stimulation of lymphoid tissue ex vivo. Analyst, The, 2017, 142, 649-659.	1.7	57
25	Clearance of rapid adenosine release is regulated by nucleoside transporters and metabolism. Pharmacology Research and Perspectives, 2015, 3, e00189.	1.1	31
26	Adenosine transiently modulates stimulated dopamine release in the caudateâ€“putamen via A1 receptors. Journal of Neurochemistry, 2015, 132, 51-60.	2.1	49
27	Mechanical stimulation evokes rapid increases in extracellular adenosine concentration in the prefrontal cortex. Journal of Neurochemistry, 2014, 130, 50-60.	2.1	43
28	Sawhorse Waveform Voltammetry for Selective Detection of Adenosine, ATP, and Hydrogen Peroxide. Analytical Chemistry, 2014, 86, 7486-7493.	3.2	67
29	Polyethylenimine Carbon Nanotube Fiber Electrodes for Enhanced Detection of Neurotransmitters. Analytical Chemistry, 2014, 86, 8568-8575.	3.2	77
30	Characterization of Spontaneous, Transient Adenosine Release in the Caudate-Putamen and Prefrontal Cortex. PLoS ONE, 2014, 9, e87165.	1.1	64
31	Quantitation of dopamine, serotonin and adenosine content in a tissue punch from a brain slice using capillary electrophoresis with fast-scan cyclic voltammetry detection. Analytical Methods, 2013, 5, 2704.	1.3	54
32	Nafionâ€“CNT coated carbon-fiber microelectrodes for enhanced detection of adenosine. Analyst, The, 2012, 137, 3045.	1.7	72
33	Comparison of Nafion- and overoxidized polypyrrole-carbon nanotube electrodes for neurotransmitter detection. Analytical Methods, 2011, 3, 2379.	1.3	37