

# Alexander G Zestos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4695776/publications.pdf>

Version: 2024-02-01

41  
papers

872  
citations

516710

16  
h-index

477307

29  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Nanotubes Grown on Metal Microelectrodes for the Detection of Dopamine. <i>Analytical Chemistry</i> , 2016, 88, 645-652.	6.5	113
2	High Temporal Resolution Measurements of Dopamine with Carbon Nanotube Yarn Microelectrodes. <i>Analytical Chemistry</i> , 2014, 86, 5721-5727.	6.5	91
3	Polyethylenimine Carbon Nanotube Fiber Electrodes for Enhanced Detection of Neurotransmitters. <i>Analytical Chemistry</i> , 2014, 86, 8568-8575.	6.5	77
4	An immune-beige adipocyte communication via nicotinic acetylcholine receptor signaling. <i>Nature Medicine</i> , 2018, 24, 814-822.	30.7	67
5	Microdialysis Coupled with LC-MS/MS for In Vivo Neurochemical Monitoring. <i>AAPS Journal</i> , 2017, 19, 1284-1293.	4.4	57
6	Carbon nanospikes grown on metal wires as microelectrode sensors for dopamine. <i>Analyst</i> , 2015, 140, 7283-7292.	3.5	56
7	Carbon Nanotube Yarn Microelectrodes Promote High Temporal Measurements of Serotonin Using Fast Scan Cyclic Voltammetry. <i>Sensors</i> , 2020, 20, 1173.	3.8	36
8	Carbon Nanotube Fiber Microelectrodes for High Temporal Measurements of Dopamine. <i>Journal of the Electrochemical Society</i> , 2018, 165, G3071-G3073.	2.9	34
9	PKC $\beta$ Inhibitors Attenuate Amphetamine-Stimulated Dopamine Efflux. <i>ACS Chemical Neuroscience</i> , 2016, 7, 757-766.	3.5	32
10	Epoxy insulated carbon fiber and carbon nanotube fiber microelectrodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 652-658.	7.8	31
11	Carbon Nanoelectrodes for the Electrochemical Detection of Neurotransmitters. <i>International Journal of Electrochemistry</i> , 2018, 2018, 1-19.	2.4	31
12	Polymer modified carbon fiber-microelectrodes and waveform modifications enhance neurotransmitter metabolite detection. <i>Analytical Methods</i> , 2019, 11, 1620-1630.	2.7	27
13	Direct and Systemic Administration of a CNS-Permeant Tamoxifen Analog Reduces Amphetamine-Induced Dopamine Release and Reinforcing Effects. <i>Neuropsychopharmacology</i> , 2017, 42, 1940-1949.	5.4	23
14	Chemical biomarkers of epileptogenesis and ictogenesis in experimental epilepsy. <i>Neurobiology of Disease</i> , 2019, 121, 177-186.	4.4	23
15	Use and Future Prospects of in Vivo Microdialysis for Epilepsy Studies. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1875-1883.	3.5	19
16	Recent Advances in FSCV Detection of Neurochemicals via Waveform and Carbon Microelectrode Modification. <i>Journal of the Electrochemical Society</i> , 2021, 168, 057520.	2.9	18
17	An Easy Method To Monitor Lactide Polymerization with a Boron Fluorescent Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 3069-3074.	8.0	16
18	Timed Electrodeposition of PEDOT:Nafion onto Carbon Fiber-Microelectrodes Enhances Dopamine Detection in Zebrafish Retina. <i>Journal of the Electrochemical Society</i> , 2020, 167, 115501.	2.9	15

#	ARTICLE	IF	CITATIONS
19	Gold Nanoparticle Modified Carbon Fiber Microelectrodes for Enhanced Neurochemical Detection. Journal of Visualized Experiments, 2019, , .	0.3	13
20	Ruboxistaurin Reduces Cocaine-Stimulated Increases in Extracellular Dopamine by Modifying Dopamine-Autoreceptor Activity. ACS Chemical Neuroscience, 2019, 10, 1960-1969.	3.5	13
21	Mechanism of action and effectiveness of ester thiols as thermal stabilizers for poly(vinyl chloride). Journal of Vinyl and Additive Technology, 2007, 13, 170-175.	3.4	12
22	(Invited) Carbon Nanotube-Based Microelectrodes for Enhanced Neurochemical Detection. ECS Transactions, 2017, 80, 1497-1509.	0.5	10
23	Direct Detection of DNA and RNA on Carbon Fiber Microelectrodes Using Fast-Scan Cyclic Voltammetry. ACS Omega, 2021, 6, 6571-6581.	3.5	10
24	A new synergistic effect in the smoke suppression of plasticized poly(vinyl chloride) by mixed metal Cu(II) oxides. Journal of Vinyl and Additive Technology, 2008, 14, 16-20.	3.4	9
25	Multiplexing neurochemical detection with carbon fiber multielectrode arrays using fast-scan cyclic voltammetry. Analytical and Bioanalytical Chemistry, 2021, 413, 6715-6726.	3.7	8
26	Polyvinyl alcohol-montmorillonite composites for water purification: Analysis of clay mineral cation exchange and composite particle synthesis. Polyhedron, 2021, 205, 115297.	2.2	6
27	Polymer Modified Carbon Fiber Microelectrodes for Precision Neurotransmitter Metabolite Measurements. Journal of the Electrochemical Society, 2020, 167, 167507.	2.9	6
28	Polymer-Modified Carbon Fiber Microelectrodes for Neurochemical Detection of Dopamine and Metabolites. ECS Transactions, 2020, 97, 901-927.	0.5	5
29	Metal-exchanged clay and zeolite additives as smoke suppressants and fire retardants for poly(vinyl) Tj ETQq1 1 0,784314 rgBT /Overl	3.4	5
30	Modified Sawhorse Waveform for the Voltammetric Detection of Oxytocin. Journal of the Electrochemical Society, 2022, 169, 017512.	2.9	3
31	The Monitoring of Neurochemical Dynamics in Zebrafish Retina using Fast Scan Cyclic Voltammetry. FASEB Journal, 2020, 34, 1-1.	0.5	2
32	High resolution voltammetric and field-effect transistor readout of carbon fiber microelectrode biosensors. Sensors & Diagnostics, 2022, 1, 460-464.	3.8	2
33	Oxytocin Peptide Detection with Carbon Electrodes and Fast Scan Cyclic Voltammetry. ECS Meeting Abstracts, 2021, MA2021-01, 1677-1677.	0.0	1
34	Electrochemistry for neurochemical analysis. Analytical and Bioanalytical Chemistry, 2021, 413, 6687-6688.	3.7	1
35	Effects of a novel tamoxifen analogue (6c) on methamphetamine induced neurotoxicity. FASEB Journal, 2021, 35, .	0.5	0
36	Carbon Fiber Microelectrodes Modified with Polymers for Enhanced Neurochemical Detection of Dopamine and Metabolites. ECS Meeting Abstracts, 2020, MA2020-01, 2916-2916.	0.0	0

#	ARTICLE	IF	CITATIONS
37	Multiplexing Neurochemical Detection Using Carbon Electrodes and Fast Scan Cyclic Voltammetry. ECS Meeting Abstracts, 2020, MA2020-01, 2444-2444.	0.0	0
38	Fast Scan Cyclic Voltammetry As a DNA Sensor Using Carbon Fiber Microelectrodes. ECS Meeting Abstracts, 2020, MA2020-01, 2837-2837.	0.0	0
39	Carbon Fiber Multielectrode Array (CFMEA) for Multiplexing Neurochemical Measurements with Fast Scan Cyclic Voltammetry. ECS Meeting Abstracts, 2021, MA2021-02, 1606-1606.	0.0	0
40	Polymer Modified Carbon Fiber Multielectrode Arrays for Precision Neurotransmitter Measurements. ECS Meeting Abstracts, 2020, MA2020-02, 3321-3321.	0.0	0
41	Carbon Fiber Microelectrode pH Sensors with Voltammetry and Field Effect Transistors. ECS Meeting Abstracts, 2022, MA2022-01, 2229-2229.	0.0	0