

# Parastoo Hashemi

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,771  
citations

201674

27  
h-index

182427

51  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating the monoamine and cytokine hypotheses of depression: Is histamine the missing link?. <i>European Journal of Neuroscience</i> , 2022, 55, 2895-2911.	2.6	11
2	ROS-Scavenging Selenofluoxetine Derivatives Inhibit <i>In Vivo</i> Serotonin Reuptake. <i>ACS Omega</i> , 2022, 7, 8314-8322.	3.5	18
3	Novel, User-Friendly Experimental and Analysis Strategies for Fast Voltammetry: Next Generation FSCAV with Artificial Neural Networks. <i>ACS Measurement Science Au</i> , 2022, 2, 241-250.	4.4	11
4	Low-Frequency Oscillations of In Vivo Ambient Extracellular Brain Serotonin. <i>Cells</i> , 2022, 11, 1719.	4.1	4
5	Voltammetric Approach for Characterizing the Biophysical and Chemical Functionality of Human Induced Pluripotent Stem Cell-Derived Serotonin Neurons. <i>Analytical Chemistry</i> , 2022, 94, 8847-8856.	6.5	3
6	A tale of two transmitters: serotonin and histamine as in vivo biomarkers of chronic stress in mice. <i>Journal of Neuroinflammation</i> , 2022, 19, .	7.2	22
7	Fiber-Based Electrochemical Biosensors for Monitoring pH and Transient Neurometabolic Lactate. <i>Analytical Chemistry</i> , 2021, 93, 6646-6655.	6.5	38
8	Inflammation-Induced Histamine Impairs the Capacity of Escitalopram to Increase Hippocampal Extracellular Serotonin. <i>Journal of Neuroscience</i> , 2021, 41, 6564-6577.	3.6	26
9	Novel, User-Friendly Experimental and Analysis Strategies for Fast Voltammetry: 1. <i>The Analysis Kid</i> for FSCV. <i>ACS Measurement Science Au</i> , 2021, 1, 11-19.	4.4	9
10	Glutamate Electropolymerization on Carbon Increases Analytical Sensitivity to Dopamine and Serotonin: An Auspicious <i>In Vivo</i> Phenomenon in Mice?. <i>Analytical Chemistry</i> , 2021, 93, 10762-10771.	6.5	12
11	High-fat diet induces neuroinflammation and reduces the serotonergic response to escitalopram in the hippocampus of obese rats. <i>Brain, Behavior, and Immunity</i> , 2021, 96, 63-72.	4.1	20
12	Experimental Methods for Investigating Uptake 2 Processes In Vivo. <i>Handbook of Experimental Pharmacology</i> , 2021, 266, 101-117.	1.8	3
13	Fast serotonin voltammetry as a versatile tool for mapping dynamic tissue architecture: I. Responses at carbon fibers describe local tissue physiology. <i>Journal of Neurochemistry</i> , 2020, 153, 33-50.	3.9	28
14	Autoreceptor control of serotonin dynamics. <i>BMC Neuroscience</i> , 2020, 21, 40.	1.9	5
15	Electrochemical detection of serotonin release in rodents. <i>Handbook of Behavioral Neuroscience</i> , 2020, 31, 157-174.	0.7	1
16	Analytical science in neurochemistry. <i>Analyst, The</i> , 2020, 145, 3774-3775.	3.5	1
17	Voltammetric evidence for discrete serotonin circuits, linked to specific reuptake domains, in the mouse medial prefrontal cortex. <i>Neurochemistry International</i> , 2019, 123, 50-58.	3.8	27
18	Selective monoaminergic and histaminergic circuit dysregulation following long-term HIV-1 protein exposure. <i>Journal of NeuroVirology</i> , 2019, 25, 540-550.	2.1	25

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19	Frontiers in electrochemical sensors for neurotransmitter detection: towards measuring neurotransmitters as chemical diagnostics for brain disorders. <i>Analytical Methods</i> , 2019, 11, 2738-2755.	2.7	78
20	In vivo Hippocampal Serotonin Dynamics in Male and Female Mice: Determining Effects of Acute Escitalopram Using Fast Scan Cyclic Voltammetry. <i>Frontiers in Neuroscience</i> , 2019, 13, 362.	2.8	46
21	A simplified LED-driven switch for fast-scan controlled-adsorption voltammetry instrumentation. <i>HardwareX</i> , 2019, 5, e00051.	2.2	2
22	Novel frontiers in voltammetric trace metal analysis: Towards real time, on-site, in situ measurements. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 206-219.	11.4	36
23	Recent Developments in Carbon Sensors for At-Source Electroanalysis. <i>Analytical Chemistry</i> , 2019, 91, 27-43.	6.5	31
24	Autism-linked dopamine transporter mutation alters striatal dopamine neurotransmission and dopamine-dependent behaviors. <i>Journal of Clinical Investigation</i> , 2019, 129, 3407-3419.	8.2	103
25	Brain Chemistry: Neurotransmitters. , 2018, , 316-316.		0
26	Analysis of Electrochemically Elusive Trace Metals with Carbon Fiber Microelectrodes. <i>Analytical Chemistry</i> , 2018, 90, 11917-11924.	6.5	10
27	In Vivo Ambient Serotonin Measurements at Carbon-Fiber Microelectrodes. <i>Analytical Chemistry</i> , 2017, 89, 9703-9711.	6.5	87
28	A mathematical model for histamine synthesis, release, and control in varicosities. <i>Theoretical Biology and Medical Modelling</i> , 2017, 14, 24.	2.1	16
29	A voltammetric and mathematical analysis of histaminergic modulation of serotonin in the mouse hypothalamus. <i>Journal of Neurochemistry</i> , 2016, 138, 374-383.	3.9	24
30	3D carbon nanofiber microelectrode arrays fabricated by plasma-assisted pyrolysis to enhance sensitivity and stability of real-time dopamine detection. <i>Biomedical Microdevices</i> , 2016, 18, 112.	2.8	9
31	Real-Time, Selective Detection of Copper(II) Using Ionophore-Grafted Carbon-Fiber Microelectrodes. <i>Analytical Chemistry</i> , 2016, 88, 6962-6966.	6.5	20
32	Fast voltammetry of metals at carbon-fiber microelectrodes: rapid determination of solution formation constants. <i>Analyst, The</i> , 2016, 141, 6025-6030.	3.5	3
33	Voltammetric Characterization of Cu(II) Complexation in Real-Time. <i>Analytical Chemistry</i> , 2016, 88, 7603-7608.	6.5	5
34	Regrowth of Serotonin Axons in the Adult Mouse Brain Following Injury. <i>Neuron</i> , 2016, 91, 748-762.	8.1	75
35	Modulation of serotonin dynamics in the dorsal raphe nucleus via high frequency medial prefrontal cortex stimulation. <i>Neurobiology of Disease</i> , 2016, 94, 129-138.	4.4	15
36	Fast voltammetry of metals at carbon-fiber microelectrodes: towards an online speciation sensor. <i>Analyst, The</i> , 2016, 141, 6432-6437.	3.5	11

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37	PROBING SEROTONIN NEUROTRANSMISSION: IMPLICATIONS FOR NEUROPSYCHIATRIC DISORDERS. , 2015, , 269-285.		1
38	A density-controlled scaffolding strategy for covalent functionalization of carbon-fiber microelectrodes. Analytical Methods, 2015, 7, 7352-7357.	2.7	13
39	In vivo histamine voltammetry in the mouse premammillary nucleus. Analyst, The, 2015, 140, 3759-3765.	3.5	43
40	Improved Calibration of Voltammetric Sensors for Studying Pharmacological Effects on Dopamine Transporter Kinetics in Vivo. ACS Chemical Neuroscience, 2015, 6, 1509-1516.	3.5	20
41	The coaction of tonic and phasic dopamine dynamics. Chemical Communications, 2015, 51, 2235-2238.	4.1	72
42	Voltammetric and mathematical evidence for dual transport mediation of serotonin clearance <i>in vivo</i> . Journal of Neurochemistry, 2014, 130, 351-359.	3.9	53
43	Fast voltammetry of metals at carbon-fiber microelectrodes: copper adsorption onto activated carbon aids rapid electrochemical analysis. Analyst, The, 2014, 139, 4673-4680.	3.5	16
44	Real-Time Subsecond Voltammetric Analysis of Pb in Aqueous Environmental Samples. Analytical Chemistry, 2013, 85, 7535-7541.	6.5	27
45	Fast-Scan Cyclic Voltammetry Analysis of Dynamic Serotonin Responses to Acute Escitalopram. ACS Chemical Neuroscience, 2013, 4, 715-720.	3.5	61
46	Fast-Scan Deposition-Stripping Voltammetry at Carbon-Fiber Microelectrodes: Real-Time, Subsecond, Mercury Free Measurements of Copper. Analytical Chemistry, 2012, 84, 6298-6302.	6.5	71
47	Brain dopamine and serotonin differ in regulation and its consequences. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11510-11515.	7.1	96
48	Ultrafast Detection and Quantification of Brain Signaling Molecules with Carbon Fiber Microelectrodes. Analytical Chemistry, 2012, 84, 8096-8101.	6.5	38
49	Chronically Implanted, Nafion-Coated Ag/AgCl Reference Electrodes for Neurochemical Applications. ACS Chemical Neuroscience, 2011, 2, 658-666.	3.5	57
50	<i>In vivo</i> electrochemical evidence for simultaneous 5-HT and histamine release in the rat substantia nigra pars reticulata following medial forebrain bundle stimulation. Journal of Neurochemistry, 2011, 118, 749-759.	3.9	72
51	Dynamic Metabolic Response to Multiple Spreading Depolarizations in Patients with Acute Brain Injury: An Online Microdialysis Study. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1343-1355.	4.3	110
52	Spreading depolarizations cycle around and enlarge focal ischaemic brain lesions. Brain, 2010, 133, 1994-2006.	7.6	173
53	Persisting Depletion of Brain Glucose following Cortical Spreading Depression, despite Apparent Hyperaemia: Evidence for Risk of an Adverse Effect of Leão's Spreading Depression. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 166-175.	4.3	101
54	Voltammetric Detection of 5-Hydroxytryptamine Release in the Rat Brain. Analytical Chemistry, 2009, 81, 9462-9471.	6.5	236

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55	Glutamate receptorâ€dependent increments in lactate, glucose and oxygen metabolism evoked in rat cerebellum <i>in vivo</i> . <i>Journal of Physiology</i> , 2008, 586, 1337-1349.	2.9	101
56	Paying Attention with the Latest Technology. <i>Neuron</i> , 2007, 56, 4-5.	8.1	1
57	Application Of Rapid-Sampling, Online Microdialysis To The Monitoring Of Brain Metabolism During Aneurysm Surgery. <i>Operative Neurosurgery</i> , 2006, 58, ONS-313-ONS-321.	0.8	31
58	Cortical spreading depression and peri-infarct depolarization in acutely injured human cerebral cortex. <i>Brain</i> , 2006, 129, 778-790.	7.6	374
59	Treatment of Critical Care Patients with Substantial Acute Ischemic or Traumatic Brain Injury. <i>Critical Care Medicine</i> , 2005, 33, 2147-2149.	0.9	28
60	Dynamic Changes in Brain Glucose and Lactate in Pericontusional Areas of the Human Cerebral Cortex, Monitored with Rapid Sampling On-Line Microdialysis: Relationship with Depolarisation-Like Events. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 402-413.	4.3	140
61	Initial evidence for peri-infarct depolarization or cortical spreading depression as a cause of neurological deterioration in patients with subarachnoid haemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S116-S116.	4.3	0
62	The application of rapid-sampling, on-line microdialysis to intraoperative brain monitoring during aneurysm surgery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S565-S565.	4.3	0
63	Detection of cortical spreading depression and peri-infarct depolarisations in the injured human brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S427-S427.	4.3	0
64	Mathematical Models of Serotonin, Histamine, and Depression. , 0, , .		0