Stephane Marinesco

List of Publications by Year
in descending order

47	1,942	279701 23	254106 43
papers	citations	h-index	g-index

51	51	51	2357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Malignant astrocyte swelling and impaired glutamate clearance drive the expansion of injurious spreading depolarization foci. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 584-599.	2.4	21
2	Micro- and nano-electrodes for neurotransmitter monitoring. Current Opinion in Electrochemistry, 2021, 29, 100746.	2.5	9
3	Electrochemical Nitric Oxide Microsensors Based on a Fluorinated Xerogel Screening Layer for in Vivo Brain Monitoring. Analytical Chemistry, 2020, 92, 1804-1810.	3.2	23
4	Impairment of Glycolysis-Derived l-Serine Production in Astrocytes Contributes to Cognitive Deficits in Alzheimerâ€™s Disease. Cell Metabolism, 2020, 31, 503-517.e8.	7.2	160
5	MONITORING BRAIN INJURY WITH MICROELECTRODE BIOSENSORS. , 2019, , 325-364.		0
6	Minimally Invasive Microelectrode Biosensors Based on Platinized Carbon Fibers for in Vivo Brain Monitoring. ACS Central Science, 2018, 4, 1751-1760.	5.3	40
7	Microelectrode Biosensors for inâ€...vivo Analysis of Brain Interstitial Fluid. Electroanalysis, 2018, 30, 977-998.	1.5	22
8	Recording, analysis, and interpretation of spreading depolarizations in neurointensive care: Review and recommendations of the COSBID research group. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1595-1625.	2.4	255
9	Altered hypermetabolic response to cortical spreading depolarizations after traumatic brain injury in rats. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1670-1686.	2.4	34
10	Age-related impairment of metabovascular coupling during cortical spreading depolarizations. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H1209-H1212.	1.5	0
11	Placing intracerebral probes to optimise detection of delayed cerebral ischemia and allow for the prediction of patient outcome in aneurysmal subarachnoid haemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2820-2832.	2.4	12
12	Multiphysics Probe for Deep Brain Monitoring of Glioblastoma Environment. Proceedings (mdpi), 2017, 1, .	0.2	0
13	Amyloid precursor protein maintains constitutive and adaptive plasticity of dendritic spines in adult brain by regulating Dâ€serine homeostasis. EMBO Journal, 2016, 35, 2213-2222.	3.5	46
14	Neuronal loss as evidenced by automated quantification of neuronal density following moderate and severe traumatic brain injury in rats. Journal of Neuroscience Research, 2016, 94, 39-49.	1.3	8
15	Silicon/SU8 multi-electrode micro-needle for in vivo neurochemical monitoring. Biosensors and Bioelectronics, 2015, 72, 148-155.	5.3	52
16	Biochemical neuromonitoring of poor-grade aneurysmal subarachnoid hemorrhage: comparative analysis of metabolic events detected by cerebral microdialysis and by retrograde jugular vein catheterization. Neurological Research, 2015, 37, 578-587.	0.6	12
17	Automated immunohistochemical method to quantify neuronal density in brain sections: Application to neuronal loss after status epilepticus. Journal of Neuroscience Methods, 2014, 225, 32-41.	1.3	12
18	Evolution of histamine oxidase activity for biotechnological applications. Applied Microbiology and Biotechnology, 2014, 98, 739-748.	1.7	10

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19	Immobilization Method to Preserve Enzyme Specificity in Biosensors: Consequences for Brain Glutamate Detection. Analytical Chemistry, 2013, 85, 2507-2515.	3.2	54
20	Microelectrode Designs for Oxidase-Based Biosensors. Neuromethods, 2013, , 3-25.	0.2	7
21	Enzyme Immobilization on Microelectrode Biosensors. Neuromethods, 2013, , 95-114.	0.2	8
22	Regulation of Extracellular Concentrations of d-Serine in the Central Nervous System Revealed by d-Amino Acid Oxidase Microelectrode Biosensors. Neuromethods, 2013, , 201-219.	0.2	0
23	In Vivo <scp>d</scp>-Serine Hetero-Exchange through Alanine-Serine-Cysteine (ASC) Transporters Detected by Microelectrode Biosensors. ACS Chemical Neuroscience, 2013, 4, 772-781.	1.7	44
24	Expression of rat diamine oxidase in Escherichia coli. Journal of Molecular Catalysis B: Enzymatic, 2012, 82, 115-120.	1.8	5
25	d-Serine diffusion through the bloodâ€“brain barrier: Effect on d-serine compartmentalization and storage. Neurochemistry International, 2012, 60, 837-845.	1.9	28
26	Paradoxical roles of serine racemase and <scp>d</scp>â€serine in the G93A mSOD1 mouse model of amyotrophic lateral sclerosis. Journal of Neurochemistry, 2012, 120, 598-610.	2.1	28
27	Reconstruction of field excitatory post-synaptic potentials in the dentate gyrus from amperometric biosensor signals. Journal of Neuroscience Methods, 2012, 206, 1-6.	1.3	17
28	Simple and non toxic enzyme immobilization onto platinum electrodes for detection of metabolic molecules in the rat brain using silicon micro-needles. Procedia Engineering, 2011, 25, 1361-1364.	1.2	1
29	Covalent enzyme immobilization by poly(ethylene glycol) diglycidyl ether (PEGDE) for microelectrode biosensor preparation. Biosensors and Bioelectronics, 2011, 26, 3993-4000.	5.3	111
30	Microbiosensor based on glucose oxidase and hexokinase co-immobilised on platinum microelectrode for selective ATP detection. Talanta, 2009, 78, 1023-1028.	2.9	25
31	Characterization of a Yeast<scp>d</scp>-Amino Acid Oxidase Microbiosensor for<scp>d</scp>-Serine Detection in the Central Nervous System. Analytical Chemistry, 2008, 80, 1589-1597.	3.2	93
32	Characterization of a D-Amino Acid Oxidase Microbiosensor for D-Serine Detection in the Central Nervous System. , 2007, , .		2
33	Regulation of Behavioral and Synaptic Plasticity by Serotonin Release within Local Modulatory Fields in the CNS of Aplysia. Journal of Neuroscience, 2006, 26, 12682-12693.	1.7	23
34	Latent memory for sensitization in Aplysia. Learning and Memory, 2006, 13, 224-229.	0.5	33
35	Neural Circuit of Tail-Elicited Siphon Withdrawal in Aplysia. II. Role of Gated Inhibition in Differential Lateralization of Sensitization and Dishabituation. Journal of Neurophysiology, 2004, 91, 678-692.	0.9	10
36	Serotonergic Modulation in Aplysia. I. Distributed Serotonergic Network Persistently Activated by Sensitizing Stimuli. Journal of Neurophysiology, 2004, 92, 2468-2486.	0.9	59

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37	Serotonergic Modulation in Aplysia. II. Cellular and Behavioral Consequences of Increased Serotonergic Tone. Journal of Neurophysiology, 2004, 92, 2487-2496.	0.9	42
38	Evolution of Learning in Three Aplysiid Species: Differences in Heterosynaptic Plasticity Contrast with Conservation in Serotonergic Pathways. Journal of Physiology, 2003, 550, 241-253.	1.3	18
39	Multiple Serotonergic Mechanisms Contributing to Sensitization in Aplysia: Evidence of Diverse Serotonin Receptor Subtypes. Learning and Memory, 2003, 10, 373-386.	0.5	104
40	Identification and Characterization ofAplysiaAdducin, anAplysiaCytoskeletal Protein Homologous to Mammalian Adducins: Increased Phosphorylation at a Protein Kinase C Consensus Site during Long-Term Synaptic Facilitation. Journal of Neuroscience, 2003, 23, 2675-2685.	1.7	13
41	Serotonin Release Evoked by Tail Nerve Stimulation in the CNS ofAplysia: Characterization and Relationship to Heterosynaptic Plasticity. Journal of Neuroscience, 2002, 22, 2299-2312.	1.7	153
42	Improved electrochemical detection of biogenic amines in Aplysia using base-hydrolyzed cellulose-coated carbon fiber microelectrodes. Journal of Neuroscience Methods, 2002, 117, 87-97.	1.3	30
43	Influence of a 1-h immobilization stress on sleep and CLIP (ACTH18â€“39) brain contents in adrenalectomized rats. Brain Research, 2000, 853, 323-329.	1.1	15
44	Influence of stress duration on the sleep rebound induced by immobilization in the rat: a possible role for corticosterone. Neuroscience, 1999, 92, 921-933.	1.1	93
45	Effects of tianeptine, sertraline and clomipramine on brain serotonin metabolism: a voltammetric approach in the rat. Brain Research, 1996, 736, 82-90.	1.1	18
46	Evidence for a sleep-promoting influence of stress. Advances in Neuroimmunology, 1995, 5, 145-154.	1.8	66
47	Is the nucleus raphe dorsalis a target for the peptides possessing hypnogenic properties?. Brain Research, 1994, 637, 211-221.	1.1	119