

Ricardo M Santos

List of Publications by Year in descending order

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13
papers

499
citations

759233

12
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

709
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurovascular coupling in hippocampus is mediated via diffusion by neuronal-derived nitric oxide. <i>Free Radical Biology and Medicine</i> , 2014, 73, 421-429.	2.9	80
2	In Vivo Real-time Measurement of Nitric Oxide in Anesthetized Rat Brain. <i>Methods in Enzymology</i> , 2008, 441, 351-367.	1.0	69
3	Biomimetic sensor based on hemin/carbon nanotubes/chitosan modified microelectrode for nitric oxide measurement in the brain. <i>Biosensors and Bioelectronics</i> , 2013, 44, 152-159.	10.1	69
4	A comparative study of carbon fiber-based microelectrodes for the measurement of nitric oxide in brain tissue. <i>Biosensors and Bioelectronics</i> , 2008, 24, 704-709.	10.1	52
5	Nitric Oxide Inactivation Mechanisms in the Brain: Role in Bioenergetics and Neurodegeneration. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-13.	2.5	36
6	Nitric oxide signaling in the brain: translation of dynamics into respiration control and neurovascular coupling. <i>Annals of the New York Academy of Sciences</i> , 2012, 1259, 10-18.	3.8	36
7	The pattern of glutamate-induced nitric oxide dynamics in vivo and its correlation with nNOS expression in rat hippocampus, cerebral cortex and striatum. <i>Brain Research</i> , 2014, 1554, 1-11.	2.2	32
8	Evidence for a pathway that facilitates nitric oxide diffusion in the brain. <i>Neurochemistry International</i> , 2011, 59, 90-96.	3.8	31
9	In vivo modulation of nitric oxide concentration dynamics upon glutamatergic neuronal activation in the hippocampus. <i>Hippocampus</i> , 2011, 21, 622-630.	1.9	28
10	Simultaneous measurement of cholinergic tone and neuronal network dynamics in vivo in the rat brain using a novel choline oxidase based electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2015, 69, 83-94.	10.1	28
11	Brain Nitric Oxide Inactivation Is Governed by the Vasculature. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1011-1021.	5.4	22
12	Real Time In Vivo Measurement of Ascorbate in the Brain Using Carbon Nanotube-Modified Microelectrodes. <i>Electroanalysis</i> , 2013, 25, 1757-1763.	2.9	12
13	Phasic oxygen dynamics confounds fast choline-sensitive biosensor signals in the brain of behaving rodents. <i>ELife</i> , 2021, 10, .	6.0	4