

Sebastien Serres

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,546
citations

331259

21
h-index

433756

31
g-index

32
all docs

32
docs citations

32
times ranked

4238
citing authors

#	ARTICLE	IF	CITATIONS
1	Activity-dependent regulation of energy metabolism by astrocytes: An update. <i>Glia</i> , 2007, 55, 1251-1262.	2.5	696
2	Glyconanoparticles allow pre-symptomatic in vivo imaging of brain disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18-23.	3.3	497
3	Molecular MRI enables early and sensitive detection of brain metastases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6674-6679.	3.3	131
4	ASPP2 controls epithelial plasticity and inhibits metastasis through β -catenin-dependent regulation of ZEB1. <i>Nature Cell Biology</i> , 2014, 16, 1092-1104.	4.6	129
5	Expression of Idh1R132H in the Murine Subventricular Zone Stem Cell Niche Recapitulates Features of Early Gliomagenesis. <i>Cancer Cell</i> , 2016, 30, 578-594.	7.7	122
6	Systemic Inflammatory Response Reactivates Immune-Mediated Lesions in Rat Brain. <i>Journal of Neuroscience</i> , 2009, 29, 4820-4828.	1.7	115
7	Functional role of endothelial adhesion molecules in the early stages of brain metastasis. <i>Neuro-Oncology</i> , 2014, 16, 540-551.	0.6	100
8	VCAM-1-targeted magnetic resonance imaging reveals subclinical disease in a mouse model of multiple sclerosis. <i>FASEB Journal</i> , 2011, 25, 4415-4422.	0.2	66
9	Close Coupling between Astrocytic and Neuronal Metabolisms to Fulfill Anaplerotic and Energy Needs in the Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 712-724.	2.4	60
10	SCF (Fbxl17) ubiquitylation of Sufu regulates Hedgehog signaling and medulloblastoma development. <i>EMBO Journal</i> , 2016, 35, 1400-1416.	3.5	50
11	Ex Vivo Analysis of Lactate and Glucose Metabolism in the Rat Brain under Different States of Depressed Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 47881-47889.	1.6	46
12	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. <i>Nature Communications</i> , 2017, 8, 14254.	5.8	46
13	^{13}C Pyruvate Transport Across the Blood-Brain Barrier in Preclinical Hyperpolarised MRI. <i>Scientific Reports</i> , 2018, 8, 15082.	1.6	43
14	Comparison of MRI signatures in pattern I and II multiple sclerosis models. <i>NMR in Biomedicine</i> , 2009, 22, 1014-1024.	1.6	42
15	Anti-IL-17A Treatment Reduces Clinical Score and VCAM-1 Expression Detected by in Vivo Magnetic Resonance Imaging in Chronic Relapsing EAE ABH Mice. <i>American Journal of Pathology</i> , 2013, 182, 2071-2081.	1.9	41
16	Involvement of brain lactate in neuronal metabolism. <i>NMR in Biomedicine</i> , 2003, 16, 430-439.	1.6	38
17	Glial Activation in the Early Stages of Brain Metastasis: TSPO as a Diagnostic Biomarker. <i>Journal of Nuclear Medicine</i> , 2014, 55, 275-280.	2.8	38
18	Ex vivo NMR study of lactate metabolism in rat brain under various depressed states. <i>Journal of Neuroscience Research</i> , 2005, 79, 19-25.	1.3	34

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19	<i>T₂</i> -Weighted MRI Detects Presymptomatic Pathology in the SOD1 Mouse Model of ALS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 785-793.	2.4	32
20	Development of Therapeutic Anti-JAGGED1 Antibodies for Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2030-2042.	1.9	31
21	Lactate involvement in neuron-glia metabolic interaction: ¹³ C-NMR spectroscopy contribution. <i>Biochimie</i> , 2003, 85, 841-848.	1.3	30
22	Structural and functional effects of metastases in rat brain determined by multimodal MRI. <i>International Journal of Cancer</i> , 2014, 134, 885-896.	2.3	25
23	Brain pyruvate recycling and peripheral metabolism: an NMR analysis <i>ex vivo</i> of acetate and glucose metabolism in the rat. <i>Journal of Neurochemistry</i> , 2007, 101, 1428-1428.	2.1	21
24	Review article: The aetiology of fatigue in inflammatory bowel disease and potential therapeutic management strategies. <i>Alimentary Pharmacology and Therapeutics</i> , 2021, 54, 368-387.	1.9	19
25	STAT3-Mediated Astrocyte Reactivity Associated with Brain Metastasis Contributes to Neurovascular Dysfunction. <i>Cancer Research</i> , 2020, 80, 5642-5655.	0.4	18
26	Gadolinium-enhanced small-animal TOF magnetic resonance angiography. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 348-352.	1.1	15
27	Magnetic Resonance Imaging Reveals Therapeutic Effects of Interferon-Beta on Cytokine-Induced Reactivation of Rat Model of Multiple Sclerosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 744-753.	2.4	14
28	Multimodal evaluation of hypoxia in brain metastases of lung cancer and interest of hypoxia image-guided radiotherapy. <i>Scientific Reports</i> , 2021, 11, 11239.	1.6	13
29	Imaging Angiogenesis, Inflammation, and Metastasis in the Tumor Microenvironment with Magnetic Resonance Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2014, 772, 263-283.	0.8	13
30	An automated method for segmentation and quantification of blood vessels in histology images. <i>Microvascular Research</i> , 2020, 128, 103928.	1.1	9
31	VCAM-1-targeted MRI Improves Detection of the Tumor-brain Interface. <i>Clinical Cancer Research</i> , 2022, 28, 2385-2396.	3.2	7