Sophie Mouillet-Richard

List of Publications by Citations

56	2,552	24	50
papers	citations	h-index	g-index
64	2,804	7.5	4.44
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
56	Signal transduction through prion protein. *Science*, **2000**, 289, 1925-8	33.3	624
55	miR-16 targets the serotonin transporter: a new facet for adaptive responses to antidepressants. *Science*, **2010**, 329, 1537-41	33.3	357
54	NADPH oxidase and extracellular regulated kinases 1/2 are targets of prion protein signaling in neuronal and nonneuronal cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13326-31	11.5	158
53	14-3-3 protein, neuron-specific enolase, and S-100 protein in cerebrospinal fluid of patients with Creutzfeldt-Jakob disease. *Dementia and Geriatric Cognitive Disorders*, **1999**, 10, 40-6	2.6	106
52	PDZ-dependent activation of nitric-oxide synthases by the serotonin 2B receptor. *Journal of Biological Chemistry*, **2000**, 275, 9324-31	5.4	97
51	Raphe-mediated signals control the hippocampal response to SRI antidepressants via miR-16. *Translational Psychiatry*, **2011**, 1, e56	8.6	89
50	Neuritogenesis: the prion protein controls β1 integrin signaling activity. *FASEB Journal*, **2012**, 26, 678-90	0.9	79
49	PDK1 decreases TACE-mediated α-secretase activity and promotes disease progression in prion and Alzheimer's diseases. *Nature Medicine*, **2013**, 19, 1124-31	50.5	78
48	Regulation by neurotransmitter receptors of serotonergic or catecholaminergic neuronal cell differentiation. *Journal of Biological Chemistry*, **2000**, 275, 9186-92	5.4	77
47	MicroRNAs and depression. *Neurobiology of Disease*, **2012**, 46, 272-8	7.5	71
46	Overstimulation of PrPC signaling pathways by prion peptide 106-126 causes oxidative injury of bioaminergic neuronal cells. *Journal of Biological Chemistry*, **2006**, 281, 28470-9	5.4	58
45	Evolving views in prion glycosylation: functional and pathological implications. *Biochimie*, **2003**, 85, 33-45	4.6	48
44	Modulation of serotonergic receptor signaling and cross-talk by prion protein. *Journal of Biological Chemistry*, **2005**, 280, 4592-601	5.4	41
43	Reactive oxygen species-dependent TNF-alpha converting enzyme activation through stimulation of 5-HT2B and alpha1D autoreceptors in neuronal cells. *FASEB Journal*, **2005**, 19, 1078-87	0.9	37
42	PrP(C) from stem cells to cancer. *Frontiers in Cell and Developmental Biology*, **2014**, 2, 55	5.7	35
41	The cellular prion protein interacts with the tissue non-specific alkaline phosphatase in membrane microdomains of bioaminergic neuronal cells. *PLoS ONE*, **2009**, 4, e6497	3.7	33
40	Biological and biochemical characteristics of prion strains conserved in persistently infected cell cultures. *Journal of Virology*, **2005**, 79, 7104-12	6.6	32

39	The Cellular Prion Protein: A Player in Immunological Quiescence. *Frontiers in Immunology*, **2015**, 6, 450	8.4	31
38	Prion protein and neuronal differentiation: quantitative analysis of prnp gene expression in a murine inducible neuroectodermal progenitor. *Microbes and Infection*, **1999**, 1, 969-76	9.3	29
37	Cellular prion protein signaling in serotonergic neuronal cells. *Annals of the New York Academy of Sciences*, **2007**, 1096, 106-19	6.5	28
36	New views on antidepressant action. *Current Opinion in Neurobiology*, **2011**, 21, 858-65	7.6	26
35	CREB-dependent gene regulation by prion protein: impact on MMP-9 and beta-dystroglycan. *Cellular Signalling*, **2008**, 20, 2050-8	4.9	26
34	Mouse 5-HT2B receptor-mediated serotonin trophic functions. *Annals of the New York Academy of Sciences*, **1998**, 861, 67-73	6.5	25
33	PrP(C) signalling in neurons: from basics to clinical challenges. *Biochimie*, **2014**, 104, 2-11	4.6	24
32	Understanding the neurospecificity of Prion protein signaling. *Frontiers in Bioscience - Landmark*, **2011**, 16, 169-86	2.8	24
31	Serotonergic 5-HT(2B) receptor controls tissue-nonspecific alkaline phosphatase activity in osteoblasts via eicosanoids and phosphatidylinositol-specific phospholipase C. *Journal of Biological Chemistry*, **2010**, 285, 26066-73	5.4	24
30	Pathogenic prions deviate PrP(C) signaling in neuronal cells and impair A-beta clearance. *Cell Death and Disease*, **2013**, 4, e456	9.8	23
29	Noxp20 and Noxp70, two new markers of early neuronal differentiation, detected in teratocarcinoma-derived neuroectodermic precursor cells. *Journal of Neurochemistry*, **2006**, 99, 657-69	6	23
28	A PrP(C)-caveolin-Lyn complex negatively controls neuronal GSK3β and serotonin 1B receptor. *Scientific Reports*, **2014**, 4, 4881	4.9	22
27	Cellular prion protein coupling to TACE-dependent TNF-alpha shedding controls neurotransmitter catabolism in neuronal cells. *Journal of Neurochemistry*, **2009**, 110, 912-23	6	22
26	Hijacking PrP(c)-dependent signal transduction: when prions impair Aβ clearance. *Frontiers in Aging Neuroscience*, **2014**, 6, 25	5.3	20
25	Prions impair bioaminergic functions through serotonin- or catecholamine-derived neurotoxins in neuronal cells. *Journal of Biological Chemistry*, **2008**, 283, 23782-90	5.4	18
24	The cellular prion protein controls the mesenchymal-like molecular subtype and predicts disease outcome in colorectal cancer. *EBioMedicine*, **2019**, 46, 94-104	8.8	17
23	The Cellular Prion Protein Controls Notch Signaling in Neural Stem/Progenitor Cells. *Stem Cells*, **2017**, 35, 754-765	5.8	16
22	Early dysfunction of central 5-HT system in a murine model of bovine spongiform encephalopathy. *Neuroscience*, **2009**, 160, 731-43	3.9	15

21	Mutation at codon 210 (V210I) of the prion protein gene in a North African patient with Creutzfeldt-Jakob disease. *Journal of the Neurological Sciences*, **1999**, 168, 141-4	3.2	15
20	Functions of the Prion Protein. *Progress in Molecular Biology and Translational Science*, **2017**, 150, 1-34	4	13
19	To develop with or without the prion protein. *Frontiers in Cell and Developmental Biology*, **2014**, 2, 58	5.7	13
18	A new AMPK activator, GSK773, corrects fatty acid oxidation and differentiation defect in CPT2-deficient myotubes. *Human Molecular Genetics*, **2018**, 27, 3417-3433	5.6	10
17	The prion protein family: a view from the placenta. *Frontiers in Cell and Developmental Biology*, **2014**, 2, 35	5.7	10
16	Control of bioamine metabolism by 5-HT2B and alpha 1D autoreceptors through reactive oxygen species and tumor necrosis factor-alpha signaling in neuronal cells. *Annals of the New York Academy of Sciences*, **2006**, 1091, 123-41	6.5	10
15	The cellular prion protein beyond prion diseases. *Swiss Medical Weekly*, **2020**, 150, w20222	3.1	8
14	The Prion-like protein Shadoo is involved in mouse embryonic and mammary development and differentiation. *Scientific Reports*, **2020**, 10, 6765	4.9	5
13	YAP/TAZ Signalling in Colorectal Cancer: Lessons from Consensus Molecular Subtypes. *Cancers*, **2020**, 12,	6.6	5
12	Intratumor CMS Heterogeneity Impacts Patient Prognosis in Localized Colon Cancer. *Clinical Cancer Research*, **2021**, 27, 4768-4780	12.9	5
11	Prion protein localizes at the ciliary base during neural and cardiovascular development, and its depletion affects Ⅱtubulin post-translational modifications. *Scientific Reports*, **2015**, 5, 17146	4.9	4
10	Promiscuous functions of the prion protein family. *Frontiers in Cell and Developmental Biology*, **2015**, 3, 7	5.7	4
9	Prognostic value of the PrP-ILK-IDO1 axis in the mesenchymal colorectal cancer subtype. *OncoImmunology*, **2021**, 10, 1940674	7.2	4
8	The cellular prion protein is a stress protein secreted by renal tubular cells and a urinary marker of kidney injury. *Cell Death and Disease*, **2020**, 11, 243	9.8	3
7	Epigenetic Control of the Notch and Eph Signaling Pathways by the Prion Protein: Implications for Prion Diseases. *Molecular Neurobiology*, **2019**, 56, 2159-2173	6.2	3
6	Cellular prion protein is required for neuritogenesis: fine-tuning of multiple signaling pathways involved in focal adhesions and actin cytoskeleton dynamics. *Cell Health and Cytoskeleton*, **2013**, 1		1
5	From stem cells to prion signalling. *Comptes Rendus - Biologies*, **2002**, 325, 9-15	1.4	1
4	The Cellular Prion Protein and the Hallmarks of Cancer. *Cancers*, **2021**, 13,	6.6	1

3	Co-invalidation of Prnp and Sprn in FVB/N mice affects reproductive performances and highlight complex biological relationship between PrP and Shadoo. *Biochemical and Biophysical Research Communications*, **2021**, 551, 1-6	3.4	0
2	Cellular prion protein dysfunction in a prototypical inherited metabolic myopathy. *Cellular and Molecular Life Sciences*, **2021**, 78, 2157-2167	10.3	0
1	ERBB2 in anti-EGFR-resistant colorectal cancer: cancer stem cells come into play. *Gut*, **2022**, 71, 4-5	19.2	