

Vilma R Martins

List of Publications by Year in descending order

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115
papers

15,879
citations

61984

43
h-index

24982

109
g-index

121
all docs

121
docs citations

121
times ranked

20972
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	12.2	6,961
2	Melanoma exosomes educate bone marrow progenitor cells toward a pro-metastatic phenotype through MET. <i>Nature Medicine</i> , 2012, 18, 883-891.	30.7	3,098
3	Physiology of the Prion Protein. <i>Physiological Reviews</i> , 2008, 88, 673-728.	28.8	523
4	Stress-inducible protein 1 is a cell surface ligand for cellular prion that triggers neuroprotection. <i>EMBO Journal</i> , 2002, 21, 3307-3316.	7.8	374
5	Cellular prion protein transduces neuroprotective signals. <i>EMBO Journal</i> , 2002, 21, 3317-3326.	7.8	320
6	Cellular prion protein binds laminin and mediates neuritogenesis. <i>Molecular Brain Research</i> , 2000, 76, 85-92.	2.3	279
7	Interaction of Cellular Prion and Stress-Inducible Protein 1 Promotes Neuritogenesis and Neuroprotection by Distinct Signaling Pathways. <i>Journal of Neuroscience</i> , 2005, 25, 11330-11339.	3.6	239
8	Tumor-cell-derived microvesicles as carriers of molecular information in cancer. <i>Current Opinion in Oncology</i> , 2013, 25, 66-75.	2.4	185
9	Complementary hydrophathy identifies a cellular prion protein receptor. <i>Nature Medicine</i> , 1997, 3, 1376-1382.	30.7	173
10	Increased Sensitivity to Seizures in Mice Lacking Cellular Prion Protein. <i>Epilepsia</i> , 1999, 40, 1679-1682.	5.1	170
11	Cellular prion protein: on the road for functions. <i>FEBS Letters</i> , 2002, 512, 25-28.	2.8	123
12	Laminin α 6-induced PC α 12 cell differentiation is inhibited following laser inactivation of cellular prion protein. <i>FEBS Letters</i> , 2000, 482, 257-260.	2.8	110
13	Metabotropic glutamate receptors transduce signals for neurite outgrowth after binding of the prion protein to laminin β 1 chain. <i>FASEB Journal</i> , 2011, 25, 265-279.	0.5	109
14	Endocytic Intermediates Involved with the Intracellular Trafficking of a Fluorescent Cellular Prion Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 33311-33318.	3.4	105
15	Cellular prion protein expression in astrocytes modulates neuronal survival and differentiation. <i>Journal of Neurochemistry</i> , 2007, 103, 2164-2176.	3.9	105
16	Internalization of mammalian fluorescent cellular prion protein and N-terminal deletion mutants in living cells. <i>Journal of Neurochemistry</i> , 2008, 79, 79-87.	3.9	100
17	Prion protein interaction with stress-inducible protein 1 enhances neuronal protein synthesis via mTOR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13147-13152.	7.1	93
18	Role of α 7 Nicotinic Acetylcholine Receptor in Calcium Signaling Induced by Prion Protein Interaction with Stress-inducible Protein 1. <i>Journal of Biological Chemistry</i> , 2010, 285, 36542-36550.	3.4	92

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19	PrP ^c on the road: trafficking of the cellular prion protein. <i>Journal of Neurochemistry</i> , 2004, 88, 769-781.	3.9	88
20	Endocytosis of Prion Protein Is Required for ERK1/2 Signaling Induced by Stress-Inducible Protein 1. <i>Journal of Neuroscience</i> , 2008, 28, 6691-6702.	3.6	86
21	Stress-inducible phosphoprotein 1 has unique cochaperone activity during development and regulates cellular response to ischemia via the prion protein. <i>FASEB Journal</i> , 2013, 27, 3594-3607.	0.5	86
22	Normal inhibitory avoidance learning and anxiety, but increased locomotor activity in mice devoid of PrPC. <i>Molecular Brain Research</i> , 1999, 71, 349-353.	2.3	85
23	ST11 promotes glioma proliferation through MAPK and PI3K pathways. <i>Glia</i> , 2007, 55, 1690-1698.	4.9	83
24	Cellular prion protein interaction with vitronectin supports axonal growth and is compensated by integrins. <i>Journal of Cell Science</i> , 2007, 120, 1915-1926.	2.0	79
25	Short-term memory formation and long-term memory consolidation are enhanced by cellular prion association to stress-inducible protein 1. <i>Neurobiology of Disease</i> , 2007, 26, 282-290.	4.4	77
26	The Prion Protein Ligand, Stress-Inducible Phosphoprotein 1, Regulates Amyloid- β^2 Oligomer Toxicity. <i>Journal of Neuroscience</i> , 2013, 33, 16552-16564.	3.6	70
27	Demonstration by Confocal Microscopy that Unliganded Overexpressed Glucocorticoid Receptors are Distributed in a Nonrandom Manner throughout All Planes of the Nucleus. <i>Molecular Endocrinology</i> , 1991, 5, 217-225.	3.7	69
28	The interaction between prion protein and laminin modulates memory consolidation. <i>European Journal of Neuroscience</i> , 2006, 24, 3255-3264.	2.6	66
29	Enhanced Neural Progenitor/Stem Cells Self-Renewal via the Interaction of Stress-Inducible Protein 1 with the Prion Protein. <i>Stem Cells</i> , 2011, 29, 1126-1136.	3.2	65
30	Hippocampal synaptic plasticity in mice devoid of cellular prion protein. <i>Molecular Brain Research</i> , 2004, 131, 58-64.	2.3	61
31	Amyloid-beta oligomers increase the localization of prion protein at the cell surface. <i>Journal of Neurochemistry</i> , 2011, 117, 538-553.	3.9	60
32	Induction of cellular prion protein gene expression by copper in neurons. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C271-C281.	4.6	58
33	Prion protein and its ligand stress inducible protein 1 regulate astrocyte development. <i>Glia</i> , 2009, 57, 1439-1449.	4.9	58
34	Insights into the physiological function of cellular prion protein. <i>Brazilian Journal of Medical and Biological Research</i> , 2001, 34, 585-595.	1.5	57
35	The Amino-Terminal PrP Domain Is Crucial to Modulate Prion Misfolding and Aggregation. <i>Biophysical Journal</i> , 2005, 89, 2667-2676.	0.5	57
36	PRNP/prion protein regulates the secretion of exosomes modulating CAV1/caveolin-1-suppressed autophagy. <i>Autophagy</i> , 2016, 12, 2113-2128.	9.1	54

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37	Unconventional Secretion of Heat Shock Proteins in Cancer. <i>International Journal of Molecular Sciences</i> , 2017, 18, 946.	4.1	54
38	The unconventional secretion of stress-inducible protein 1 by a heterogeneous population of extracellular vesicles. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3211-3227.	5.4	52
39	Towards cellular receptors for prions. <i>Reviews in Medical Virology</i> , 2003, 13, 399-408.	8.3	51
40	Surgical outcome in mesial temporal sclerosis correlates with prion protein gene variant. <i>Neurology</i> , 2003, 61, 1204-1210.	1.1	48
41	Disruption of prion proteinâ€™HOP engagement impairs glioblastoma growth and cognitive decline and improves overall survival. <i>Oncogene</i> , 2015, 34, 3305-3314.	5.9	47
42	Cellular prion protein: implications in seizures and epilepsy. <i>Cellular and Molecular Neurobiology</i> , 2002, 22, 249-257.	3.3	45
43	PrPC displays an essential protective role from oxidative stress in an astrocyte cell line derived from PrPC knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 27-32.	2.1	45
44	Steroid Receptors in Intracranial Tumors. <i>Clinical Neuropharmacology</i> , 1984, 7, 347-350.	0.7	43
45	Altered behavioural response to acute stress in mice lacking cellular prion protein. <i>Behavioural Brain Research</i> , 2005, 162, 173-181.	2.2	43
46	A Role for the Laminin Receptor in Leukocyte Chemotaxis. <i>Journal of Leukocyte Biology</i> , 1987, 41, 220-227.	3.3	42
47	Cellular prion protein ablation impairs behavior as a function of age. <i>NeuroReport</i> , 2003, 14, 1375-1379.	1.2	38
48	Iron-Restricted Diet Affects Brain Ferritin Levels, Dopamine Metabolism and Cellular Prion Protein in a Region-Specific Manner. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 145.	2.9	37
49	Role of cellular prion protein on LTP expression in aged mice. <i>Brain Research</i> , 2006, 1097, 11-18.	2.2	36
50	Increased prion protein processing and expression of metabotropic glutamate receptor 1 in a mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2013, 127, 415-425.	3.9	35
51	The biology of the cellular prion protein. <i>Neurochemistry International</i> , 2002, 41, 353-355.	3.8	33
52	Targeting prion protein interactions in cancer. <i>Prion</i> , 2015, 9, 165-173.	1.8	33
53	Two widely used RSK inhibitors, BI-D1870 and SL0101, alter mTORC1 signaling in a RSK-independent manner. <i>Cellular Signalling</i> , 2015, 27, 1630-1642.	3.6	32
54	Engagement of cellular prion protein with the co-chaperone Hsp70/90 organizing protein regulates the proliferation of glioblastoma stem-like cells. <i>Stem Cell Research and Therapy</i> , 2017, 8, 76.	5.5	30

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55	Prion Protein: Orchestrating Neurotrophic Activities. <i>Current Issues in Molecular Biology</i> , 2010, , .	2.4	29
56	Laminin α 3 chain and stress inducible protein 1 synergistically mediate Pr ^C -dependent axonal growth via Ca ²⁺ mobilization in dorsal root ganglia neurons. <i>Journal of Neurochemistry</i> , 2013, 124, 210-223.	3.9	27
57	High levels of Cellular Prion Protein improve astrocyte development. <i>FEBS Letters</i> , 2013, 587, 238-244.	2.8	27
58	Regulation of Stress-Inducible Phosphoprotein 1 Nuclear Retention by Protein Inhibitor of Activated STAT PIAS1. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3253-3270.	3.8	25
59	Hyperactivity and attention deficits in mice with decreased levels of stress inducible phosphoprotein 1 (STIP1). <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1457-66.	2.4	25
60	Regulation of the Cellular Prion Protein Gene Expression Depends on Chromatin Conformation. <i>Journal of Biological Chemistry</i> , 2002, 277, 5675-5682.	3.4	24
61	Developmental expression of prion protein and its ligands stress-inducible protein 1 and vitronectin. <i>Journal of Comparative Neurology</i> , 2009, 517, 371-384.	1.6	24
62	Time-dependent enhancement of inhibitory avoidance retention and MAPK activation by post-training infusion of nerve growth factor into CA1 region of hippocampus of adult rats. <i>European Journal of Neuroscience</i> , 2000, 12, 2185-2189.	2.6	23
63	Evaluation of Akt and RICTOR Expression Levels in Astrocytomas of All Grades. <i>Journal of Histochemistry and Cytochemistry</i> , 2017, 65, 93-103.	2.5	23
64	A Comparison between Manual and Automated Evaluations of Tissue Microarray Patterns of Protein Expression. <i>Journal of Histochemistry and Cytochemistry</i> , 2013, 61, 272-282.	2.5	21
65	Dopamine induces the accumulation of insoluble prion protein and affects autophagic flux. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 12.	3.7	20
66	Prion protein binding to HOP modulates the migration and invasion of colorectal cancer cells. <i>Clinical and Experimental Metastasis</i> , 2016, 33, 441-451.	3.3	19
67	Changes in cortical and hippocampal ectonucleotidase activities in mice lacking cellular prion protein. <i>Neuroscience Letters</i> , 2001, 301, 72-74.	2.1	18
68	Normal brain mitochondrial respiration in adult mice lacking cellular prion protein. <i>Neuroscience Letters</i> , 2005, 375, 203-206.	2.1	18
69	Loss of prion protein is associated with the development of insulin resistance and obesity. <i>Biochemical Journal</i> , 2017, 474, 2981-2991.	3.7	18
70	STI1 antagonizes cytoskeleton collapse mediated by small GTPase Rnd1 and regulates neurite growth. <i>Experimental Cell Research</i> , 2014, 324, 84-91.	2.6	17
71	Decreased hyperlocomotion induced by MK-801, but not amphetamine and caffeine in mice lacking cellular prion protein (PrPC). <i>Molecular Brain Research</i> , 2002, 107, 190-194.	2.3	16
72	Complex movement disorders in fatal familial insomnia: A clinical and genetic discussion. <i>Neurology</i> , 2013, 81, 1098-1099.	1.1	16

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73	Rab5C enhances resistance to ionizing radiation in rectal cancer. <i>Journal of Molecular Medicine</i> , 2019, 97, 855-869.	3.9	16
74	Modulation of hippocampal neuronal resilience during aging by the Hsp70/Hsp90 co-chaperone STI1. <i>Journal of Neurochemistry</i> , 2020, 153, 727-758.	3.9	16
75	Overexpression of mTOR and p(240-244)S6 in IDH1 Wild-Type Human Glioblastomas Is Predictive of Low Survival. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 403-414.	2.5	15
76	Aberrant expression of RSK1 characterizes high-grade gliomas with immune infiltration. <i>Molecular Oncology</i> , 2020, 14, 159-179.	4.6	15
77	MT1 and MT2 melatonin receptors play opposite roles in brain cancer progression. <i>Journal of Molecular Medicine</i> , 2021, 99, 289-301.	3.9	15
78	L-Methionine inhibits growth of human pancreatic cancer cells. <i>Anti-Cancer Drugs</i> , 2014, 25, 200-203.	1.4	14
79	Repression of glucocorticoid receptor gene transcription by c-Jun. <i>Molecular and Cellular Endocrinology</i> , 2001, 175, 67-79.	3.2	13
80	Cognitive performance of patients with mesial temporal lobe epilepsy is not associated with human prion protein gene variant allele at codons 129 and 171. <i>Epilepsy and Behavior</i> , 2006, 8, 635-642.	1.7	13
81	Synaptosomal glutamate release and uptake in mice lacking the cellular prion protein. <i>Brain Research</i> , 2006, 1075, 13-19.	2.2	13
82	Prion protein ablation increases cellular aggregation and embolization contributing to mechanisms of metastasis. <i>International Journal of Cancer</i> , 2009, 125, 1523-1531.	5.1	13
83	Characterization of a specific interaction between ADAM23 and cellular prion protein. <i>Neuroscience Letters</i> , 2009, 461, 16-20.	2.1	13
84	Glucocorticoid receptors in subpopulations of human lymphocytes defined by monoclonal antibodies. <i>Cellular Immunology</i> , 1987, 105, 443-446.	3.0	12
85	Nuclear unphosphorylated STAT3 correlates with a worse prognosis in human glioblastoma. <i>Pathology Research and Practice</i> , 2016, 212, 517-523.	2.3	12
86	High phenotypic variability in Gerstmann-Sträussler-Scheinker disease. <i>Arquivos De Neuro-Psiquiatria</i> , 2017, 75, 331-338.	0.8	12
87	Regulation of the Glucocorticoid Receptor by Glucocorticoids in Human Mononuclear Leukocytes. <i>Hormone Research</i> , 1986, 24, 9-17.	1.8	11
88	Evidence of a Cell Surface Role for Hsp90 Complex Proteins Mediating Neuroblast Migration in the Subventricular Zone. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 138.	3.7	11
89	High capacity and low cost detection of prion protein gene variant alleles by denaturing HPLC. <i>Journal of Neuroscience Methods</i> , 2004, 139, 263-269.	2.5	10
90	Is There a Role for Cellular Prion Protein in Intrathymic T Cell Differentiation and Migration?. <i>NeuroImmunoModulation</i> , 2007, 14, 213-219.	1.8	10

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91	Cortical malformations are associated with a rare polymorphism of cellular prion protein. <i>Neurology</i> , 2004, 63, 557-560.	1.1	8
92	The growth of glioblastoma orthotopic xenografts in nude mice is directly correlated with impaired object recognition memory. <i>Physiology and Behavior</i> , 2014, 123, 55-61.	2.1	8
93	Polysome Profiling of a Human Glioblastoma Reveals Intratumoral Heterogeneity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2177.	4.1	8
94	Second-Generation RT-QuIC Assay for the Diagnosis of Creutzfeldt-Jakob Disease Patients in Brazil. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 929.	4.1	8
95	Sleep deprivation regulates availability of PrP ^C and A β peptides which can impair interaction between PrP ^C and laminin and neuronal plasticity. <i>Journal of Neurochemistry</i> , 2020, 153, 377-389.	3.9	8
96	The effects of ras gene expression on glucocorticoid receptors in mouse fibroblasts. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1990, 37, 183-193.	2.5	7
97	A receptor for infectious and cellular prion protein. <i>Brazilian Journal of Medical and Biological Research</i> , 1999, 32, 853-859.	1.5	7
98	Disease-associated Mutations in the Prion Protein Impair Laminin-induced Process Outgrowth and Survival. <i>Journal of Biological Chemistry</i> , 2012, 287, 43777-43788.	3.4	7
99	Codon 129 polymorphism of prion protein gene in is not a risk factor for Alzheimer's disease. <i>Arquivos De Neuro-Psiquiatria</i> , 2013, 71, 423-427.	0.8	5
100	Tissue alkalosis in cold-ischemia time. <i>Scientific Reports</i> , 2017, 7, 10867.	3.3	5
101	Loss of σ STI-mediated neuronal survival and differentiation in disease-associated mutations of prion protein. <i>Journal of Neurochemistry</i> , 2018, 145, 409-416.	3.9	5
102	Asymmetric cortical high signal on diffusion weighted-MRI in a case of Creutzfeldt-Jakob disease. <i>Arquivos De Neuro-Psiquiatria</i> , 2005, 63, 519-522.	0.8	4
103	Dilated Cardiomyopathy and Creutzfeldt-Jakob Disease: Evidence for a Role of Cellular Prion Protein in the Heart?. <i>Archives of Internal Medicine</i> , 2005, 165, 1663.	3.8	3
104	Environmental control of mammary carcinoma cell expansion by acidification and spheroid formation in vitro. <i>Scientific Reports</i> , 2020, 10, 21959.	3.3	3
105	Attenuation of glucocorticoid receptor levels by the H-ras oncogene. <i>Endocrine</i> , 1995, 3, 305-312.	2.2	2
106	Expression of Tyrosine Hydroxylase is Negatively Regulated Via Prion Protein. <i>Neurochemical Research</i> , 2016, 41, 1691-1699.	3.3	2
107	Prnp gene and cerebellum volume in patients with refractory mesial temporal lobe epilepsy. <i>Neurological Sciences</i> , 2014, 35, 239-244.	1.9	1
108	Prion protein in exosomes: partnering A β peptides and driving fibrilization. <i>Journal of Neurochemistry</i> , 2016, 137, 9-11.	3.9	1

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109	257 Heterogeneous expression of A33 in colorectal cancer: Possible explanation for A33 antibody treatment failure. <i>European Journal of Cancer</i> , 2015, 51, S45.	2.8	0
110	Abstract 4400: The levels of Prion protein and its ligand HOP modulate glioblastoma proliferation and predict a lower survival outcome.. , 2013, , .		0
111	Abstract 4880: Regulation of extracellular microvesicles secretion by Rab27b in glioblastoma multiforme. , 2014, , .		0
112	Abstract 4444: The role of small GTPase Rab7 in the secretion of extracellular microvesicles by head and neck squamous cells carcinoma. , 2014, , .		0
113	Abstract 4051: Prion protein and its ligand STI1/HOP modulate migration and invasion of cell lines derived from colorectal tumors. , 2014, , .		0
114	Abstract 5101: The control of migration and invasion processes in colorectal adenocarcinoma is modulated by prion protein and its ligand STI1/HOP. , 2015, , .		0
115	Abstract 4037: The pattern of extracellular vesicles secretion and their role in head and neck squamous cell carcinoma. , 2015, , .		0