

# Vimal Selvaraj

## List of Publications by Citations

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58

papers

1,867

citations

27

h-index

42

g-index

66

ext. papers

2,129

ext. citations

4.5

avg, IF

4.89

L-index

#	Paper	IF	Citations
58	Peripheral benzodiazepine receptor/translocator protein global knock-out mice are viable with no effects on steroid hormone biosynthesis. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 27444-54	5.4	174
57	Translocator protein/peripheral benzodiazepine receptor is not required for steroid hormone biosynthesis. <i>Endocrinology</i> , <b>2014</b> , 155, 89-97	4.8	172
56	A TSPO ligand is protective in a mouse model of multiple sclerosis. <i>EMBO Molecular Medicine</i> , <b>2013</b> , 5, 891-903	12	105
55	The changing landscape in translocator protein (TSPO) function. <i>Trends in Endocrinology and Metabolism</i> , <b>2015</b> , 26, 341-8	8.8	90
54	Switching cell fate: the remarkable rise of induced pluripotent stem cells and lineage reprogramming technologies. <i>Trends in Biotechnology</i> , <b>2010</b> , 28, 214-23	15.1	66
53	PK11195 effect on steroidogenesis is not mediated through the translocator protein (TSPO). <i>Endocrinology</i> , <b>2015</b> , 156, 1033-9	4.8	63
52	Sustainable production of housefly ( <i>Musca domestica</i> ) larvae as a protein-rich feed ingredient by utilizing cattle manure. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171708	3.7	59
51	Biochemical characterization of membrane fractions in murine sperm: identification of three distinct sub-types of membrane rafts. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 218, 537-48	7	59
50	Translocator Protein (TSPO) Affects Mitochondrial Fatty Acid Oxidation in Steroidogenic Cells. <i>Endocrinology</i> , <b>2016</b> , 157, 1110-21	4.8	57
49	Segregation of micron-scale membrane sub-domains in live murine sperm. <i>Journal of Cellular Physiology</i> , <b>2006</b> , 206, 636-46	7	57
48	Estrogenicity of the isoflavone metabolite equol on reproductive and non-reproductive organs in mice. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 966-72	3.9	55
47	In vivo imaging of microglial activation by positron emission tomography with [(11)C]PBR28 in the 5XFAD model of Alzheimer's disease. <i>Glia</i> , <b>2016</b> , 64, 993-1006	9	53
46	Minireview: translocator protein (TSPO) and steroidogenesis: a reappraisal. <i>Molecular Endocrinology</i> , <b>2015</b> , 29, 490-501		51
45	Genistein, estrogen receptors, and the acquired immune response. <i>Journal of Nutrition</i> , <b>2006</b> , 136, 704-84.1	4.1	51
44	GM1 dynamics as a marker for membrane changes associated with the process of capacitation in murine and bovine spermatozoa. <i>Journal of Andrology</i> , <b>2007</b> , 28, 588-99		50
43	Metabolomic characteristics of cholesterol-induced non-obese nonalcoholic fatty liver disease in mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 6120	4.9	45
42	Recipient preparation and mixed germ cell isolation for spermatogonial stem cell transplantation in domestic cats. <i>Journal of Andrology</i> , <b>2006</b> , 27, 248-56		43

41	Mechanisms underlying the micron-scale segregation of sterols and GM1 in live mammalian sperm. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 218, 522-36	7	41
40	Zfp488 promotes oligodendrocyte differentiation of neural progenitor cells in adult mice after demyelination. <i>Scientific Reports</i> , <b>2011</b> , 1, 2	4.9	41
39	A brief history of the search for the protein(s) involved in the acute regulation of steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , <b>2017</b> , 441, 7-16	4.4	40
38	Current knowledge on the acute regulation of steroidogenesis. <i>Biology of Reproduction</i> , <b>2018</b> , 99, 13-26	3.9	39
37	Mitochondrial Translocator Protein (TSPO) Function Is Not Essential for Heme Biosynthesis. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 1591-1603	5.4	38
36	Effect of donor age on success of spermatogenesis in feline testis xenografts. <i>Reproduction, Fertility and Development</i> , <b>2007</b> , 19, 869-76	1.8	35
35	Differentiating human stem cells into neurons and glial cells for neural repair. <i>Frontiers in Bioscience - Landmark</i> , <b>2012</b> , 17, 65-89	2.8	33
34	Profiling of proteins secreted in the bovine oviduct reveals diverse functions of this luminal microenvironment. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188105	3.7	30
33	Mice lacking FABP9/PERF15 develop sperm head abnormalities but are fertile. <i>Developmental Biology</i> , <b>2010</b> , 348, 177-89	3.1	28
32	Current status and future perspectives: TSPO in steroid neuroendocrinology. <i>Journal of Endocrinology</i> , <b>2016</b> , 231, R1-R30	4.7	27
31	PARP-1 deficiency increases the severity of disease in a mouse model of multiple sclerosis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 26070-84	5.4	26
30	Gene expression profiling of 17beta-estradiol and genistein effects on mouse thymus. <i>Toxicological Sciences</i> , <b>2005</b> , 87, 97-112	4.4	22
29	Crucial Role Reported for TSPO in Viability and Steroidogenesis is a Misconception. Commentary: Conditional Steroidogenic Cell-Targeted Deletion of TSPO Unveils a Crucial Role in Viability and Hormone-Dependent Steroid Formation. <i>Frontiers in Endocrinology</i> , <b>2016</b> , 7, 91	5.7	21
28	Generation and characterization of spiking and nonspiking oligodendroglial progenitor cells from embryonic stem cells. <i>Stem Cells</i> , <b>2013</b> , 31, 2620-31	5.8	20
27	PEDF is a novel oligodendrogenic morphogen acting on the adult SVZ and corpus callosum. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 12152-64	6.6	19
26	Lactotransferrin in Asian elephant ( <i>Elephas maximus</i> ) seminal plasma correlates with semen quality. <i>PLoS ONE</i> , <b>2013</b> , 8, e71033	3.7	18
25	Developmental expression of translocator protein/peripheral benzodiazepine receptor in reproductive tissues. <i>PLoS ONE</i> , <b>2013</b> , 8, e74509	3.7	18
24	Induced pluripotent stem cells for conserving endangered species?. <i>Nature Methods</i> , <b>2011</b> , 8, 805-7	21.6	17

23	The p38 $\beta$ mitogen-activated protein kinase is a key regulator of myelination and remyelination in the CNS. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1748	9.8	16
22	Differentiation of embryonic stem cells into oligodendrocyte precursors. <i>Journal of Visualized Experiments</i> , <b>2010</b> ,	1.6	16
21	Hematology of sloth bears ( <i>Melursus ursinus ursinus</i> ) from two locations in India. <i>Journal of Wildlife Diseases</i> , <b>2008</b> , 44, 509-18	1.3	13
20	Induced pluripotent stem cell generation from bovine somatic cells indicates unmet needs for pluripotency sustenance. <i>Animal Science Journal</i> , <b>2019</b> , 90, 1149-1160	1.8	11
19	Overactivation of hedgehog signaling in the developing Mullerian duct interferes with duct regression in males and causes subfertility. <i>Reproduction</i> , <b>2017</b> , 153, 481-492	3.8	7
18	Letter to the Editor: Dubious Conclusions on TSPO Function. <i>Endocrinology</i> , <b>2018</b> , 159, 2528-2529	4.8	7
17	Physiological profile of undifferentiated bovine blastocyst-derived trophoblasts. <i>Biology Open</i> , <b>2019</b> , 8,	2.2	5
16	Anxiolytic Drug FGIN-1-27 Ameliorates Autoimmunity by Metabolic Reprogramming of Pathogenic Th17 Cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 3766	4.9	5
15	Yet Another Scenario in the Regulation of the Steroidogenic Acute Regulatory (STAR) Protein Gene. <i>Endocrinology</i> , <b>2017</b> , 158, 235-238	4.8	5
14	Analysis of differential strategies to enhance detection of low-abundance proteins in the bovine serum proteome. <i>Animal Science Journal</i> , <b>2020</b> , 91, e13388	1.8	4
13	Commentary: -Cre-Mediated Global Knockout. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 472	5.7	4
12	Effects of body weight and season on serum lipid concentrations in sloth bears ( <i>Melursus ursinus ursinus</i> ). <i>Journal of Zoo and Wildlife Medicine</i> , <b>2011</b> , 42, 373-81	0.9	3
11	GM1 DYNAMICS INDICATE MEMBRANE CHANGES ASSOCIATED WITH CAPACITATION IN MURINE SPERMATOZOA. <i>Biology of Reproduction</i> , <b>2007</b> , 77, 166-166	3.9	2
10	Eat, drink, and be merry: Leydig cell autophagy in testosterone production. <i>Biology of Reproduction</i> , <b>2018</b> , 99, 1113-1115	3.9	2
9	Letter to the Editor: About glucose and early embryo development in cows described by Leane et al. (2018). <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 2825	4	1
8	Efficient induction and sustenance of pluripotent stem cells from bovine somatic cells. <i>Biology Open</i> , <b>2021</b> , 10,	2.2	1
7	Lack of adrenal TSPO/PBR expression in hamsters reinforces correlation to triglyceride metabolism. <i>Journal of Endocrinology</i> , <b>2020</b> , 247, 1-10	4.7	0
6	Lack of adrenal TSPO/PBR expression in hamsters reinforces correlation to triglyceride metabolism. <i>Journal of Endocrinology</i> , <b>2020</b> , 247, 1-10	4.7	

- 5 523 Late-Breaking: Non-nutrient Factors in Colostrum: Systems Biology of Mammary Derived Bioactive Proteins and Gut Receptors That Network Functions in the Bovine Neonate. *Journal of Animal Science*, **2021**, 99, 152-152 0.7
- 4 Biochemical Characterization and Shotgun Proteomics of Membrane Raft Sub-Types in Murine Sperm.. *Biology of Reproduction*, **2009**, 81, 441-441 3.9
- 3 Mice Lacking FABP9/PERF15 Develop Sperm Head Abnormalities but Are Fertile.. *Biology of Reproduction*, **2009**, 81, 446-446 3.9
- 2 Biochemical Characterization and Shotgun Proteomics of Membrane Raft Sub-Types in Murine Sperm.. *Biology of Reproduction*, **2009**, 81, 130-130 3.9
- 1 Biomedical Applications of Induced Pluripotent Stem Cells **2012**, 265-275