

Vimal Selvaraj

List of Publications by Year in descending order

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66
papers

2,368
citations

185998

28
h-index

214527

47
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66
all docs

66
docs citations

66
times ranked

3014
citing authors

#	ARTICLE	IF	CITATIONS
1	Translocator Protein/Peripheral Benzodiazepine Receptor Is Not Required for Steroid Hormone Biosynthesis. <i>Endocrinology</i> , 2014, 155, 89-97.	1.4	201
2	Peripheral Benzodiazepine Receptor/Translocator Protein Global Knock-out Mice Are Viable with No Effects on Steroid Hormone Biosynthesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 27444-27454.	1.6	199
3	A TSPO ligand is protective in a mouse model of multiple sclerosis. <i>EMBO Molecular Medicine</i> , 2013, 5, 891-903.	3.3	133
4	The changing landscape in translocator protein (TSPO) function. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 341-348.	3.1	103
5	Sustainable production of housefly (<i>Musca domestica</i>) larvae as a protein-rich feed ingredient by utilizing cattle manure. <i>PLoS ONE</i> , 2017, 12, e0171708.	1.1	90
6	Translocator Protein (TSPO) Affects Mitochondrial Fatty Acid Oxidation in Steroidogenic Cells. <i>Endocrinology</i> , 2016, 157, 1110-1121.	1.4	81
7	Current knowledge on the acute regulation of steroidogenesis. <i>Biology of Reproduction</i> , 2018, 99, 13-26.	1.2	77
8	PK11195 Effect on Steroidogenesis Is Not Mediated Through the Translocator Protein (TSPO). <i>Endocrinology</i> , 2015, 156, 1033-1039.	1.4	76
9	Switching cell fate: the remarkable rise of induced pluripotent stem cells and lineage reprogramming technologies. <i>Trends in Biotechnology</i> , 2010, 28, 214-223.	4.9	72
10	<i>In vivo</i> imaging of microglial activation by positron emission tomography with [¹¹ C]PBR28 in the 5XFAD model of Alzheimer's disease. <i>Glia</i> , 2016, 64, 993-1006.	2.5	71
11	Biochemical characterization of membrane fractions in murine sperm: Identification of three distinct subtypes of membrane rafts. <i>Journal of Cellular Physiology</i> , 2009, 218, 537-548.	2.0	67
12	Minireview: Translocator Protein (TSPO) and Steroidogenesis: A Reappraisal. <i>Molecular Endocrinology</i> , 2015, 29, 490-501.	3.7	63
13	Estrogenicity of the Isoflavone Metabolite Equol on Reproductive and Non-Reproductive Organs in Mice. <i>Biology of Reproduction</i> , 2004, 71, 966-972.	1.2	62
14	Metabolomic characteristics of cholesterol-induced non-obese nonalcoholic fatty liver disease in mice. <i>Scientific Reports</i> , 2017, 7, 6120.	1.6	62
15	Genistein, Estrogen Receptors, and the Acquired Immune Response. <i>Journal of Nutrition</i> , 2006, 136, 704-708.	1.3	61
16	Segregation of micron-scale membrane sub-domains in live murine sperm. <i>Journal of Cellular Physiology</i> , 2006, 206, 636-646.	2.0	59
17	A brief history of the search for the protein(s) involved in the acute regulation of steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , 2017, 441, 7-16.	1.6	59
18	GM1 Dynamics as a Marker for Membrane Changes Associated With the Process of Capacitation in Murine and Bovine Spermatozoa. <i>Journal of Andrology</i> , 2007, 28, 588-599.	2.0	58

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19	Recipient Preparation and Mixed Germ Cell Isolation for Spermatogonial Stem Cell Transplantation in Domestic Cats. <i>Journal of Andrology</i> , 2006, 27, 248-256.	2.0	52
20	Zfp488 promotes oligodendrocyte differentiation of neural progenitor cells in adult mice after demyelination. <i>Scientific Reports</i> , 2011, 1, 2.	1.6	52
21	Mitochondrial Translocator Protein (TSPO) Function Is Not Essential for Heme Biosynthesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 1591-1603.	1.6	44
22	Mechanisms underlying the micron-scale segregation of sterols and G _{M1} in live mammalian sperm. <i>Journal of Cellular Physiology</i> , 2009, 218, 522-536.	2.0	42
23	Effect of donor age on success of spermatogenesis in feline testis xenografts. <i>Reproduction, Fertility and Development</i> , 2007, 19, 869.	0.1	40
24	Differentiating human stem cells into neurons and glial cells for neural repair. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 65.	3.0	40
25	Profiling of proteins secreted in the bovine oviduct reveals diverse functions of this luminal microenvironment. <i>PLoS ONE</i> , 2017, 12, e0188105.	1.1	40
26	Mice lacking FABP9/PERF15 develop sperm head abnormalities but are fertile. <i>Developmental Biology</i> , 2010, 348, 177-189.	0.9	38
27	Generation and Characterization of Spiking and Nonspiking Oligodendroglial Progenitor Cells from Embryonic Stem Cells. <i>Stem Cells</i> , 2013, 31, 2620-2631.	1.4	37
28	Current status and future perspectives: TSPO in steroid neuroendocrinology. <i>Journal of Endocrinology</i> , 2016, 231, R1-R30.	1.2	32
29	Gene Expression Profiling of 17 β -Estradiol and Genistein Effects on Mouse Thymus. <i>Toxicological Sciences</i> , 2005, 87, 97-112.	1.4	29
30	PARP-1 Deficiency Increases the Severity of Disease in a Mouse Model of Multiple Sclerosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 26070-26084.	1.6	28
31	Lactotransferrin in Asian Elephant (<i>Elephas maximus</i>) Seminal Plasma Correlates with Semen Quality. <i>PLoS ONE</i> , 2013, 8, e71033.	1.1	27
32	Developmental Expression of Translocator Protein/Peripheral Benzodiazepine Receptor in Reproductive Tissues. <i>PLoS ONE</i> , 2013, 8, e74509.	1.1	25
33	Induced pluripotent stem cells for conserving endangered species?. <i>Nature Methods</i> , 2011, 8, 805-807.	9.0	22
34	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> , 2016, 7, 91.	1.5	22
35	PEDF Is a Novel Oligodendrogenic Morphogen Acting on the Adult SVZ and Corpus Callosum. <i>Journal of Neuroscience</i> , 2012, 32, 12152-12164.	1.7	21
36	Differentiation of Embryonic Stem Cells into Oligodendrocyte Precursors. <i>Journal of Visualized Experiments</i> , 2010, , .	0.2	20

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37	Induced pluripotent stem cell generation from bovine somatic cells indicates unmet needs for pluripotency sustenance. <i>Animal Science Journal</i> , 2019, 90, 1149-1160.	0.6	20
38	The p38 ^{MAPK} mitogen-activated protein kinase is a key regulator of myelination and remyelination in the CNS. <i>Cell Death and Disease</i> , 2015, 6, e1748-e1748.	2.7	19
39	Physiological profile of undifferentiated bovine blastocyst-derived trophoblasts. <i>Biology Open</i> , 2019, 8, .	0.6	16
40	Hematology of Sloth Bears (<i>Melursus ursinus ursinus</i>) from Two Locations in India. <i>Journal of Wildlife Diseases</i> , 2008, 44, 509-518.	0.3	14
41	Efficient induction and sustenance of pluripotent stem cells from bovine somatic cells. <i>Biology Open</i> , 2021, 10, .	0.6	11
42	Anxiolytic Drug FGIN-1-27 Ameliorates Autoimmunity by Metabolic Reprogramming of Pathogenic Th17 Cells. <i>Scientific Reports</i> , 2020, 10, 3766.	1.6	10
43	Overactivation of hedgehog signaling in the developing Müllerian duct interferes with duct regression in males and causes subfertility. <i>Reproduction</i> , 2017, 153, 481-492.	1.1	9
44	Letter to the Editor: Dubious Conclusions on TSPO Function. <i>Endocrinology</i> , 2018, 159, 2528-2529.	1.4	8
45	Commentary: Amhr2-Cre-Mediated Global Tspos Knockout. <i>Frontiers in Endocrinology</i> , 2020, 11, 472.	1.5	8
46	Lack of adrenal TSPO/PBR expression in hamsters reinforces correlation to triglyceride metabolism. <i>Journal of Endocrinology</i> , 2020, 247, 1-10.	1.2	8
47	Analysis of differential strategies to enhance detection of low abundance proteins in the bovine serum proteome. <i>Animal Science Journal</i> , 2020, 91, e13388.	0.6	7
48	Temporal kinetics of bovine mammary IgG secretion into colostrum and transition milk. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	6
49	Yet Another Scenario in the Regulation of the Steroidogenic Acute Regulatory (STAR) Protein Gene. <i>Endocrinology</i> , 2017, 158, 235-238.	1.4	5
50	History, insights, and future perspectives on studies into luteal function in cattle. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	5
51	RhoA/ROCK signaling antagonizes bovine trophoblast stem cell self-renewal and regulates preimplantation embryo size and differentiation. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	4
52	Effects of Body Weight and Season on Serum Lipid Concentrations in Sloth Bears (<i>Melursus ursinus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.3	3
53	Contradictions on colostrum IgG levels and Brix values are real and can be explained. Response to letter by Lombard <i>et al</i> . (2022). <i>Journal of Animal Science</i> , 2022, 100, .	0.2	3
54	Eat, drink, and be merry: Leydig cell autophagy in testosterone production. <i>Biology of Reproduction</i> , 2018, 99, 1113-1115.	1.2	2

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55	GM1 DYNAMICS INDICATE MEMBRANE CHANGES ASSOCIATED WITH CAPACITATION IN MURINE SPERMATOZOA. <i>Biology of Reproduction</i> , 2007, 77, 166-166.	1.2	2
56	Proteomic Profiling of Equine Blastocoel Fluid and Functional Mapping of Embryo Transcriptome. <i>Journal of Equine Veterinary Science</i> , 2018, 66, 173.	0.4	1
57	Letter to the Editor: About glucose and early embryo development in cows described by Leane et al. (2018). <i>Journal of Dairy Science</i> , 2019, 102, 2825.	1.4	1
58	Lack of adrenal TSPO/PBR expression in hamsters reinforces correlation to triglyceride metabolism. <i>Journal of Endocrinology</i> , 2020, 247, 1-10.	1.2	1
59	Porphyrin Sequestering by TSPO in Cells/Tissues Revealed by Deletion and Site-directed Mutagenesis. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
60	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. <i>Journal of Animal Science</i> , 2021, 99, 152-152.	0.2	0
61	Biochemical Characterization and Shotgun Proteomics of Membrane Raft Sub-Types in Murine Sperm.. <i>Biology of Reproduction</i> , 2009, 81, 441-441.	1.2	0
62	Mice Lacking FABP9/PERF15 Develop Sperm Head Abnormalities but Are Fertile.. <i>Biology of Reproduction</i> , 2009, 81, 446-446.	1.2	0
63	Biochemical Characterization and Shotgun Proteomics of Membrane Raft Sub-Types in Murine Sperm.. <i>Biology of Reproduction</i> , 2009, 81, 130-130.	1.2	0
64	Biomedical Applications of Induced Pluripotent Stem Cells. , 2012, , 265-275.		0
65	Developmental Expression of Translocator Protein (TSPO) in the Murine Gonads.. <i>Biology of Reproduction</i> , 2012, 87, 238-238.	1.2	0
66	Geospatial Fluid Milk Processing Preferences: Is Consumer Taste Perception the Key Factor?. <i>Dairy</i> , 2022, 3, 413-421.	0.7	0