Robert Sullivan

List of Publications by Year
in descending order

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96 papers	6,139 citations	76031 42 h-index	81351 76 g-index
98 all docs	98 docs citations	98 times ranked	4599 citing authors

#	Article	IF	Citations
1	Differential gene expression profiles of human efferent ducts and proximal epididymis. Andrology, 2020, 8, 625-636.	1.9	23
2	Large-scale discovery of male reproductive tract-specific genes through analysis of RNA-seq datasets. BMC Biology, 2020, 18, 103.	1.7	39
3	Proteomic markers of low and high fertility bovine spermatozoa separated by Percoll gradient. Molecular Reproduction and Development, 2019, 86, 999-1012.	1.0	21
4	Revisiting structure/functions of the human epididymis. Andrology, 2019, 7, 748-757.	1.9	59
5	Proteomic Markers of Functional Sperm Population in Bovines: Comparison of Low- and High-Density Spermatozoa Following Cryopreservation. Journal of Proteome Research, 2018, 17, 177-188.	1.8	23
6	Cell Biology of the Epididymis. , 2018, , 286-291.		2
7	Policy Recommendations to Address Financial Toxicity Following Cancer in Low- and Middle-Income Countries: One Size Does Not Fit All. Journal of Global Oncology, 2018, 4, 71s-71s.	0.5	0
8	Impact of male fertility status on the transcriptome of the bovine epididymis. Molecular Human Reproduction, 2017, 23, 355-369.	1.3	39
9	Preclinical evaluation of a TEX101 protein ELISA test for the differential diagnosis of male infertility. BMC Medicine, 2017, 15, 60.	2.3	58
10	Epididymosomes Role of extracellular microvesicles in sperm maturation. Frontiers in Bioscience - Scholar, 2016, 8, 106-114.	0.8	60
11	Prostasomes post-testicular sperm maturation and fertility. Frontiers in Bioscience - Landmark, 2016, 21, 1464-1473.	3.0	22
12	The human epididymis: its function in sperm maturation. Human Reproduction Update, 2016, 22, 574-587.	5.2	213
13	Evidences of Biological Functions of Biliverdin Reductase A in the Bovine Epididymis. Journal of Cellular Physiology, 2016, 231, 1077-1089.	2.0	13
14	Biogenesis and function of tRNA fragments during sperm maturation and fertilization in mammals. Science, 2016, 351, 391-396.	6.0	992
15	Dicarbonyl L-Xylulose Reductase (DCXR), a â€œMoonlighting Proteinâ€•in the Bovine Epididymis. PLoS ONE, 2015, 10, e0120869.	1.1	10
16	Epididymosomes: a heterogeneous population of microvesicles with multiple functions in sperm maturation and storage. Asian Journal of Andrology, 2015, 17, 726.	0.8	104
17	CD9-Positive Microvesicles Mediate the Transfer of Molecules to Bovine Spermatozoa during Epididymal Maturation. PLoS ONE, 2013, 8, e65364.	1.1	111
18	microRNA signature is altered in both human epididymis and seminal microvesicles following vasectomy. Human Reproduction, 2013, 28, 1455-1467.	0.4	66

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19	Epididymosomes Convey Different Repertoires of MicroRNAs Throughout the Bovine Epididymis1. Biology of Reproduction, 2013, 89, 30.	1.2	155
20	Cysteine-rich secretory protein 1 in seminal plasma: potential biomarker for the distinction between obstructive and nonobstructive azoospermia. Fertility and Sterility, 2013, 100, 1253-1260.	0.5	19
21	Epididymosomes, prostasomes, and liposomes: their roles in mammalian male reproductive physiology. Reproduction, 2013, 146, R21-R35.	1.1	238
22	ATP-Binding Cassette Transporter G2 Activity in the Bovine Spermatozoa Is Modulated Along the Epididymal Duct and at Ejaculation1. Biology of Reproduction, 2012, 86, 181.	1.2	14
23	Binder of sperm 1 and epididymal sperm binding protein 1 are associated with different bull sperm subpopulations. Reproduction, 2012, 143, 759-771.	1.1	33
24	Epididymosomes Transfer Epididymal Sperm Binding Protein 1 (ELSPBP1) to Dead Spermatozoa During Epididymal Transit in Bovine1. Biology of Reproduction, 2012, 87, 94.	1.2	52
25	Region-specific gene expression in the epididymis. Cell and Tissue Research, 2012, 349, 717-731.	1.5	117
26	Bovine sperm raft membrane associated Glioma Pathogenesisâ€Related 1â€like protein 1 (GliPr1L1) is modified during the epididymal transit and is potentially involved in sperm binding to the zona pellucida. Journal of Cellular Physiology, 2012, 227, 3876-3886.	2.0	44
27	The polyol pathway in the bovine oviduct. Molecular Reproduction and Development, 2012, 79, 603-612.	1.0	6
28	Role of MicroRNAs in Controlling Gene Expression in Different Segments of the Human Epididymis. PLoS ONE, 2012, 7, e34996.	1.1	97
29	Gene Expression in the Epididymis of Normal and Vasectomized Men: What Can We Learn About Human Sperm Maturation?. Journal of Andrology, 2011, 32, 686-697.	2.0	24
30	Infertility in a beef bull due to a failure in the capacitation process. Theriogenology, 2011, 76, 891-899.	0.9	18
31	Post Testicular Sperm Maturational Changes in the Bull: Important Role of the Epididymosomes and Prostasomes. Veterinary Medicine International, 2011, 2011, 1-13.	0.6	57
32	Comparative proteome and lipid profiles of bovine epididymosomes collected in the intraluminal compartment of the caput and cauda epididymidis. Journal of Developmental and Physical Disabilities, 2011, 34, e475-e486.	3.6	105
33	Expression of SULT1E1 protein in bovine placentomes: Evidence for localization in uninucleated trophoblast cells. Placenta, 2011, 32, 431-440.	0.7	8
34	Localization of Hsp60 and Grp78 in the human testis, epididymis and mature spermatozoa. Journal of Developmental and Physical Disabilities, 2010, 33, 33-44.	3.6	42
35	Proteomic comparison of detergent-extracted sperm proteins from bulls with different fertility indexes. Reproduction, 2010, 139, 545-556.	1.1	138
36	Vasectomy Affects Cysteine-Rich Secretory Protein Expression Along the Human Epididymis and Its Association With Ejaculated Spermatozoa Following Vasectomy Surgical Reversal. Journal of Andrology, 2010, 31, 573-583.	2.0	14

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37	Characterization of Two Distinct Populations of Epididymosomes Collected in the Intraluminal Compartment of the Bovine Cauda Epididymis1. Biology of Reproduction, 2010, 83, 473-480.	1.2	65
38	Compartmentalization of Proteins in Epididymosomes Coordinates the Association of Epididymal Proteins with the Different Functional Structures of Bovine Spermatozoa1. Biology of Reproduction, 2009, 80, 965-972.	1.2	55
39	Estrogen Sulfotransferase Is Highly Expressed Along the Bovine Epididymis and Is Secreted Into the Intraluminal Environment. Journal of Andrology, 2009, 30, 580-589.	2.0	21
40	Spermatozoa modulate epididymal cell proliferation and protein secretion in vitro. Molecular Reproduction and Development, 2008, 75, 512-520.	1.0	23
41	Protein composition of human epididymosomes collected during surgical vasectomy reversal: a proteomic and genomic approach. Human Reproduction, 2008, 23, 1698-1707.	0.4	132
42	Effects of Vasectomy on Gene Expression Profiling along the Human Epididymis1. Biology of Reproduction, 2008, 79, 262-273.	1.2	39
43	Seminal Plasma Proteins Regulate the Association of Lipids and Proteins Within Detergent-Resistant Membrane Domains of Bovine Spermatozoa1. Biology of Reproduction, 2008, 78, 921-931.	1.2	48
44	Principal Cells' Apocrine Secretion of Epididymosomes and Its Function in Sperm Maturation.. Biology of Reproduction, 2008, 78, 90-90.	1.2	1
45	Region-specific gene expression profiling along the human epididymis. Molecular Human Reproduction, 2007, 13, 691-704.	1.3	90
46	Epididymal P34H protein deficiency in men evaluated for infertility. Fertility and Sterility, 2007, 88, 1455-1457.	0.5	33
47	Epididymosomes are involved in the acquisition of new sperm proteins during epididymal transit. Asian Journal of Andrology, 2007, 9, 483-491.	0.8	242
48	Comparison Between Epididymosomes Collected in the Intraluminal Compartment of the Bovine Caput and Cauda Epididymidis1. Biology of Reproduction, 2006, 75, 885-890.	1.2	67
49	Polyol Pathway in Human Epididymis and Semen. Journal of Andrology, 2006, 27, 233-239.	2.0	64
50	Levels of P34H, a sperm protein of epididymal origin, as a predictor of conventional in vitro fertilization outcome. Fertility and Sterility, 2006, 85, 1557-1559.	0.5	31
51	Membranous and structural damage that occur during cryopreservation of human sperm may be time-related events. Fertility and Sterility, 2006, 85, 1744-1752.	0.5	79
52	HE1/NPC2 status in human reproductive tract and ejaculated spermatozoa: consequence of vasectomy. Molecular Human Reproduction, 2006, 12, 461-468.	1.3	30
53	Macrophage migration inhibitory factor in the human epididymis and semen. Molecular Human Reproduction, 2005, 11, 575-582.	1.3	60
54	Role of exosomes in sperm maturation during the transit along the male reproductive tract. Blood Cells, Molecules, and Diseases, 2005, 35, 1-10.	0.6	247

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55	Contraceptive responses of female hamsters immunized with recombinant sperm protein P26h. Contraception, 2005, 72, 459-467.	0.8	10
56	Expression and localization of c-ros oncogene along the human excurrent duct. Molecular Human Reproduction, 2004, 10, 697-703.	1.3	28
57	P26h and dicarbonyl/L-xylulose reductase are two distinct proteins present in the hamster epididymis. Molecular Reproduction and Development, 2004, 69, 137-145.	1.0	7
58	Polyol pathway along the bovine epididymis. Molecular Reproduction and Development, 2004, 69, 448-456.	1.0	62
59	Expression of heat shock protein 70 in normal and cryptorchid human excurrent duct. Molecular Human Reproduction, 2004, 10, 197-202.	1.3	28
60	Male fertility markers, myth or reality. Animal Reproduction Science, 2004, 82-83, 341-347.	0.5	42
61	Vasectomy Influences Expression of HE1 but not HE2 and HE5 Genes in Human Epididymis. Journal of Andrology, 2004, 25, 30-43.	2.0	23
62	Vasectomyâ€Dependent Dysregulation of a Local Reninâ€Angiotensin System in the Epididymis of the Cynomolgus Monkey (Macaca fascicularis). Journal of Andrology, 2004, 25, 784-796.	2.0	14
63	Epididymosomes and Prostasomes: Their Roles in Posttesticular Maturation of the Sperm Cells. Journal of Andrology, 2003, 24, 149-154.	2.0	158
64	Semen characteristics of genetically identical quadruplet bulls. Theriogenology, 2003, 59, 1865-1877.	0.9	8
65	Aldose Reductase and Macrophage Migration Inhibitory Factor Are Associated with Epididymosomes and Spermatozoa in the Bovine Epididymis1. Biology of Reproduction, 2003, 69, 1586-1592.	1.2	85
66	Effect of Vasectomy on Gene Expression in the Epididymis of Cynomolgus Monkey1. Biology of Reproduction, 2003, 68, 781-788.	1.2	18
67	Selected Proteins of â€œProstasome-Like Particlesâ€•from Epididymal Cauda Fluid Are Transferred to Epididymal Caput Spermatozoa in Bull1. Biology of Reproduction, 2002, 67, 308-313.	1.2	112
68	Characterization and Identification of Epididymal Factors That Protect Ejaculated Bovine Sperm During In Vitro Storage1. Biology of Reproduction, 2002, 66, 159-166.	1.2	48
69	Characterization of secretory proteins from cultured cauda epididymal cells that significantly sustain bovine sperm motility in vitro. Molecular Reproduction and Development, 2002, 63, 500-509.	1.0	22
70	Sperm-zona pellucida interaction involves a carbonyl reductase activity in the hamster. Molecular Reproduction and Development, 2002, 61, 113-119.	1.0	20
71	Prostasome‐like particles are involved in the transfer of P25b from the bovine epididymal fluid to the sperm surface. Molecular Reproduction and Development, 2001, 59, 115-121.	1.0	137
72	Identification and characterization of P31m, a novel sperm protein inCynomolgusmonkey (Macaca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	16

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73	Effect of Vasectomy on P34H Messenger Ribonucleic Acid Expression along the Human Excurrent Duct: A Reflection on the Function of the Human Epididymis. Biology of Reproduction, 2001, 64, 720-727.	1.2	30
74	Expression of the Hamster Sperm Protein P26h During Spermatogenesis1. Biology of Reproduction, 2001, 65, 79-86.	1.2	16
75	Epididymal epithelial cells cultured in vitro prolong the motility of bovine sperm. Journal of Andrology, 2000, 21, 842-7.	2.0	9
76	Addition of specific metabolites to bovine epididymal cell culture medium enhances survival and motility of cryopreserved sperm. Journal of Andrology, 2000, 21, 876-86.	2.0	12
77	P34H Sperm Protein Is Preferentially Expressed by the Human Corpus Epididymidis*. Endocrinology, 1999, 140, 3318-3327.	1.4	77
78	Hamster Sperm Protein, P26h: A Member of the Short-Chain Dehydrogenase/Reductase Superfamily1. Biology of Reproduction, 1999, 61, 264-273.	1.2	38
79	Bull subfertility is associated with low levels of a sperm membrane antigen. Molecular Reproduction and Development, 1999, 52, 57-65.	1.0	59
80	Hamster sperm antigen P26h is a phosphatidylinositol-anchored protein. Molecular Reproduction and Development, 1999, 52, 225-233.	1.0	80
81	Bull subfertility is associated with low levels of a sperm membrane antigen. Molecular Reproduction and Development, 1999, 52, 57-65.	1.0	2
82	Some vasovasostomized men are characterized by low levels of P34H, an epididymal sperm protein. Journal of Andrology, 1999, 20, 214-9.	2.0	12
83	Purification of P26h: a hamster sperm protein. Biochemistry and Cell Biology, 1996, 74, 227-231.	0.9	11
84	Cases of Human Infertility are Associated with the Absence of P34H, an Epididymal Sperm Antigen1. Biology of Reproduction, 1996, 54, 1018-1024.	1.2	82
85	Surface Localization of P34H, an Epididymal Protein, during Maturation, Capacitation, and Acrosome Reaction of Human Spermatozoa1. Biology of Reproduction, 1996, 54, 1009-1017.	1.2	103
86	Regulation of the epididymal synthesis of P26h, a hamster sperm protein. Journal of Andrology, 1996, 17, 104-10.	2.0	12
87	Comparative immunoreactivity of mouse and hamster sperm proteins recognized by an anti-P26h hamster sperm protein. Molecular Reproduction and Development, 1995, 41, 249-256.	1.0	18
88	Human Sperm-Zona Pellucida Interaction is Inhibited by an Antiserum against a Hamster Sperm Protein1. Biology of Reproduction, 1994, 51, 577-587.	1.2	88
89	Inhibition of in Vivo Fertilization by Active Immunization of Male Hamsters against a 26-kDa Sperm Glycoprotein1. Biology of Reproduction, 1994, 51, 1255-1263.	1.2	81
90	The Elimination of Keratin Artifacts in Immunoblots Probed with Polyclonal Antibodies. Analytical Biochemistry, 1994, 217, 331-333.	1.1	26

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91	Induction of Polyspermy in Sea Urchin Eggs by Antibodies Raised against a Hamster Sperm Protein. Biochemical and Biophysical Research Communications, 1994, 202, 181-185.	1.0	2
92	Identification of epididymal proteins associated with hamster sperm. The Journal of Experimental Zoology, 1991, 258, 69-74.	1.4	35
93	Heterogeneity of epididymal spermatozoa of the hamster. Gamete Research, 1989, 24, 229-236.	1.7	28
94	Immunodetectable galactosyltransferase is associated only with human spermatozoa of high buoyant density. Biochemical and Biophysical Research Communications, 1989, 162, 184-188.	1.0	15
95	Interaction of isolated components from mammalian sperm and egg. Gamete Research, 1985, 12, 101-116.	1.7	67
96	Role of the Epididymis in Sperm Maturation. , 0, , 73-87.		7