

Dolores Busso

List of Publications by Year in descending order

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49
papers

1,396
citations

331259

21
h-index

360668

35
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56
all docs

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docs citations

56
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence That Human Epididymal Protein ARP Plays a Role in Gamete Fusion Through Complementary Sites on the Surface of the Human Egg1. <i>Biology of Reproduction</i> , 2001, 65, 1000-1005.	1.2	91
2	Evidence for the Involvement of Testicular Protein CRISP2 in Mouse Sperm-Egg Fusion1. <i>Biology of Reproduction</i> , 2007, 76, 701-708.	1.2	86
3	Morphologic and functional determinants of primordial and primary follicles in the monkey ovary. <i>Molecular and Cellular Endocrinology</i> , 2000, 163, 33-42.	1.6	78
4	Human testicular protein TPX1/CRISP-2: localization in spermatozoa, fate after capacitation and relevance for gamete interaction. <i>Molecular Human Reproduction</i> , 2005, 11, 299-305.	1.3	75
5	Sperm protein DE mediates gamete fusion through an evolutionarily conserved site of the CRISP family. <i>Developmental Biology</i> , 2006, 297, 228-237.	0.9	74
6	Physiological and pathological implications of cholesterol. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 416.	3.0	71
7	Relationship between the association of rat epididymal protein DE with spermatozoa and the behavior and function of the protein. , 2000, 56, 180-188.		70
8	A Novel Function for CRISP1 in Rodent Fertilization: Involvement in Sperm-Zona Pellucida Interaction1. <i>Biology of Reproduction</i> , 2007, 77, 848-854.	1.2	66
9	Mechanisms regulating hepatic SR-BI expression and their impact on HDL metabolism. <i>Atherosclerosis</i> , 2011, 217, 299-307.	0.4	60
10	Participation of cysteine-rich secretory proteins (CRISP) in mammalian sperm-egg interaction. <i>International Journal of Developmental Biology</i> , 2008, 52, 737-742.	0.3	54
11	Maternal hypertriglyceridemia: A link between maternal overweight-obesity and macrosomia in gestational diabetes. <i>Obesity</i> , 2014, 22, 2156-2163.	1.5	48
12	Participation of epididymal cysteine-rich secretory proteins in sperm-egg fusion and their potential use for male fertility regulation. <i>Asian Journal of Andrology</i> , 2007, 9, 528-532.	0.8	46
13	Expression and Structure-Function Analysis of DE, a Sperm Cysteine-Rich Secretory Protein That Mediates Gamete Fusion1. <i>Biology of Reproduction</i> , 2002, 67, 1225-1231.	1.2	45
14	Human fertilization: epididymal hCRISP1 mediates sperm-zona pellucida binding through its interaction with ZP3. <i>Molecular Human Reproduction</i> , 2014, 20, 341-349.	1.3	43
15	Excess cholesterol induces mouse egg activation and may cause female infertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4972-80.	3.3	40
16	Molecular Mechanisms Involved in Mammalian Gamete Fusion. <i>Archives of Medical Research</i> , 2001, 32, 614-618.	1.5	35
17	Prenatal nicotine exposure enhances Cx43 and Panx1 unopposed channel activity in brain cells of adult offspring mice fed a high-fat/cholesterol diet. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 403.	1.8	33
18	Bicarbonate Is Required for Migration of Sperm Epididymal Protein DE (CRISP-1) to the Equatorial Segment and Expression of Rat Sperm Fusion Ability1. <i>Biology of Reproduction</i> , 2004, 70, 1325-1332.	1.2	32

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19	Red Wine Grape Pomace Attenuates Atherosclerosis and Myocardial Damage and Increases Survival in Association with Improved Plasma Antioxidant Activity in a Murine Model of Lethal Ischemic Heart Disease. <i>Nutrients</i> , 2019, 11, 2135.	1.7	30
20	Developmental abnormalities in mouse embryos lacking the HDL receptor SR-BI. <i>Human Molecular Genetics</i> , 2013, 22, 1086-1096.	1.4	25
21	Prolonged Activation of the Htr2b Serotonin Receptor Impairs Glucose Stimulated Insulin Secretion and Mitochondrial Function in MIN6 Cells. <i>PLoS ONE</i> , 2017, 12, e0170213.	1.1	23
22	Immunocontraceptive properties of recombinant sperm protein DE: implications for the development of novel contraceptives. <i>Fertility and Sterility</i> , 2008, 89, 199-205.	0.5	21
23	Spermatozoa from mice deficient in Niemann-Pick disease type C2 (NPC2) protein have defective cholesterol content and reduced in vitro fertilising ability. <i>Reproduction, Fertility and Development</i> , 2014, 26, 609.	0.1	20
24	Deficient Vitamin E Uptake During Development Impairs Neural Tube Closure in Mice Lacking Lipoprotein Receptor SR-BI. <i>Scientific Reports</i> , 2017, 7, 5182.	1.6	19
25	Evaluation of Testicular Sperm CRISP2 as a Potential Target for Contraception. <i>Journal of Andrology</i> , 2012, 33, 1360-1370.	2.0	17
26	Periodontitis and Gestational Diabetes Mellitus: A Potential Inflammatory Vicious Cycle. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11831.	1.8	16
27	Female infertility due to anovulation and defective steroidogenesis in NPC2 deficient mice. <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 299-307.	1.6	15
28	Attenuation of atherogenic apo B-48-dependent hyperlipidemia and high density lipoprotein remodeling induced by vitamin C and E combination and their beneficial effect on lethal ischemic heart disease in mice. <i>Biological Research</i> , 2018, 51, 34.	1.5	14
29	Serotonin- and Dopamine-Related Gene Expression in db/db Mice Islets and in MIN6 ^β -Cells Treated with Palmitate and Oleate. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-12.	1.0	13
30	Intake of Vitamin E and C in Women of Reproductive Age: Results from the Latin American Study of Nutrition and Health (ELANS). <i>Nutrients</i> , 2021, 13, 1954.	1.7	11
31	Life-giving caspases: revealing new roles during mouse embryo preimplantation development. <i>International Journal of Developmental Biology</i> , 2010, 54, 857-865.	0.3	11
32	Early Onset Intrauterine Growth Restriction in a Mouse Model of Gestational Hypercholesterolemia and Atherosclerosis. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	10
33	Ovarian cholesterol efflux: ATP-binding cassette transporters and follicular fluid HDL regulate cholesterol content in mouse oocytes. <i>Biology of Reproduction</i> , 2019, 102, 348-361.	1.2	10
34	Apolipoprotein A-I deficiency does not affect biliary lipid secretion and gallstone formation in mice. <i>Liver International</i> , 2011, 31, 263-271.	1.9	9
35	Folate status in women of childbearing age in the Urban Metropolitan Region of Chile: results from the National Health Survey 2016-2017. <i>Public Health Nutrition</i> , 2021, 24, 385-392.	1.1	8
36	Transcriptional profiling of embryos lacking the lipoprotein receptor SR-B1 reveals a regulatory circuit governing a neurodevelopmental or metabolic decision during neural tube closure. <i>BMC Genomics</i> , 2018, 19, 731.	1.2	7

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37	Gugulipid causes hypercholesterolemia leading to endothelial dysfunction, increased atherosclerosis, and premature death by ischemic heart disease in male mice. PLoS ONE, 2017, 12, e0184280.	1.1	7
38	Fertilization Induces a Transient Exposure of Phosphatidylserine in Mouse Eggs. PLoS ONE, 2013, 8, e71995.	1.1	6
39	Lipoprotein receptor SR-B1 deficiency enhances adipose tissue inflammation and reduces susceptibility to hepatic steatosis during diet-induced obesity in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158909.	1.2	6
40	Blood lipids during pregnancy: A progressively appreciated subject in basic and clinical research. Atherosclerosis, 2018, 276, 163-165.	0.4	5
41	Preventive Letter: Doubling the Return Rate After Gestational Diabetes Mellitus. Maternal and Child Health Journal, 2015, 19, 939-944.	0.7	4
42	High density lipoprotein cholesterol and proteome in SR-B1 KO mice: lost in precipitation. Journal of Translational Medicine, 2018, 16, 309.	1.8	4
43	Developmental abnormalities in mouse embryos lacking the HDL receptor SR-BI. Human Molecular Genetics, 2013, 22, 2551-2551.	1.4	1
44	High fat diet in mice induces endoplasmic reticulum stress in livers of their offspring. Placenta, 2015, 36, 501.	0.7	1
45	Efecto del ciprofibrato sobre el metabolismo del colesterol HDL y la capacidad antioxidante plasmática en el ratón. Revista Chilena De Cardiología, 2016, 35, 133-143.	0.0	1
46	Nutrients and Gene Expression in Development. , 2020, , 423-430.		1
47	Involvement of HDL receptor SR-BI-mediated vitamin e uptake in murine neural tube closure. Placenta, 2015, 36, 498.	0.7	0
48	RNA-Seq analysis reveals candidate genes that may explain neural tube defects in mouse embryos lacking SR-BI. Placenta, 2017, 51, 118-119.	0.7	0
49	HDL Receptor SR-B1 Deficiency Increased Inflammatory Dyslipidemia and Adipocyte Hypertrophy and Attenuated the Hepatic Steatosis in Murine Diet-Induced Obesity. Current Developments in Nutrition, 2020, 4, nzaa063_074.	0.1	0