

# Elizabeth G Bromfield

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1079692/publications.pdf>

Version: 2024-02-01

47  
papers

1,310  
citations

304368

22  
h-index

377514

34  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic Profiling of Mouse Epididymosomes Reveals their Contributions to Post-testicular Sperm Maturation. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S91-S108.	2.5	111
2	Heat exposure induces oxidative stress and DNA damage in the male germ line. <i>Biology of Reproduction</i> , 2018, 98, 593-606.	1.2	91
3	The impact of oxidative stress on chaperone-mediated human sperm-egg interaction. <i>Human Reproduction</i> , 2015, 30, 2597-2613.	0.4	88
4	Autophagy in Female Fertility: A Role in Oxidative Stress and Aging. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 550-568.	2.5	67
5	The role of the molecular chaperone heat shock protein A2 (HSPA2) in regulating human sperm-egg recognition. <i>Asian Journal of Andrology</i> , 2015, 17, 568.	0.8	59
6	The multi-scale architecture of mammalian sperm flagella and implications for ciliary motility. <i>EMBO Journal</i> , 2021, 40, e107410.	3.5	55
7	Capacitation in the presence of methyl- $\beta$ -cyclodextrin results in enhanced zona pellucida-binding ability of stallion spermatozoa. <i>Reproduction</i> , 2014, 147, 153-166.	1.1	46
8	DNA damage and repair in the female germline: contributions to ART. <i>Human Reproduction Update</i> , 2019, 25, 180-201.	5.2	46
9	Heat Shock Protein A2 (HSPA2): Regulatory Roles in Germ Cell Development and Sperm Function. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2017, 222, 67-93.	1.0	44
10	Novel characterization of the HSPA2-stabilizing protein BAG6 in human spermatozoa. <i>Molecular Human Reproduction</i> , 2015, 21, 755-769.	1.3	42
11	The function of chaperone proteins in the assemblage of protein complexes involved in gamete adhesion and fusion processes. <i>Reproduction</i> , 2013, 145, R31-R42.	1.1	41
12	Pharmacological inhibition of arachidonate 15-lipoxygenase protects human spermatozoa against oxidative stress. <i>Biology of Reproduction</i> , 2018, 98, 784-794.	1.2	38
13	Differential cell death decisions in the testis: evidence for an exclusive window of ferroptosis in round spermatids. <i>Molecular Human Reproduction</i> , 2019, 25, 241-256.	1.3	38
14	Heat Shock Protein member A2 forms a stable complex with angiotensin converting enzyme and protein disulfide isomerase A6 in human spermatozoa. <i>Molecular Human Reproduction</i> , 2016, 22, 93-109.	1.3	35
15	Oxidative Stress in the Male Germline: A Review of Novel Strategies to Reduce 4-Hydroxynonenal Production. <i>Antioxidants</i> , 2018, 7, 132.	2.2	34
16	Oxidative damage in naturally aged mouse oocytes is exacerbated by dysregulation of proteasomal activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 18944-18964.	1.6	33
17	Investigation of the expression and functional significance of the novel mouse sperm protein, a disintegrin and metalloprotease with thrombospondin type 1 motifs number 10 (ADAMTS10). <i>Journal of Developmental and Physical Disabilities</i> , 2012, 35, 572-589.	3.6	31
18	Roles of male reproductive tract extracellular vesicles in reproduction. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13338.	1.2	31

#	ARTICLE	IF	CITATIONS
19	Modification of Crocodile Spermatozoa Refutes the Tenet That Post-testicular Sperm Maturation Is Restricted To Mammals*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S58-S76.	2.5	30
20	A Kinase Anchor Protein 4 Is Vulnerable to Oxidative Adduction in Male Germ Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 319.	1.8	29
21	Proteolytic degradation of heat shock protein A2 occurs in response to oxidative stress in male germ cells of the mouse. <i>Molecular Human Reproduction</i> , 2017, 23, 91-105.	1.3	28
22	Inhibition of arachidonate 15-lipoxygenase prevents 4-hydroxynonenal-induced protein damage in male germ cells. <i>Biology of Reproduction</i> , 2017, 96, 598-609.	1.2	27
23	Double Strand Break DNA Repair occurs via Non-Homologous End-Joining in Mouse MII Oocytes. <i>Scientific Reports</i> , 2018, 8, 9685.	1.6	25
24	In-cell structures of conserved supramolecular protein arrays at the mitochondria-cytoskeleton interface in mammalian sperm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
25	Time-resolved proteomic profiling of cigarette smoke-induced experimental chronic obstructive pulmonary disease. <i>Respirology</i> , 2021, 26, 960-973.	1.3	22
26	Male Infertility: Shining a Light on Lipids and Lipid-Modulating Enzymes in the Male Germline. <i>Journal of Clinical Medicine</i> , 2020, 9, 327.	1.0	20
27	Biochemical alterations in the oocyte in support of early embryonic development. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 469-485.	2.4	16
28	Molecular insights into the divergence and diversity of post-testicular maturation strategies. <i>Molecular and Cellular Endocrinology</i> , 2020, 517, 110955.	1.6	16
29	Proteomic Dissection of the Impact of Environmental Exposures on Mouse Seminal Vesicle Function. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100107.	2.5	16
30	High Resolution Proteomic Analysis of Subcellular Fractionated Boar Spermatozoa Provides Comprehensive Insights Into Perinuclear Theca-Residing Proteins. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 836208.	1.8	16
31	Identification of a key role for permeability glycoprotein in enhancing the cellular defense mechanisms of fertilized oocytes. <i>Developmental Biology</i> , 2016, 417, 63-76.	0.9	15
32	Proteostasis in the Male and Female Germline: A New Outlook on the Maintenance of Reproductive Health. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 660626.	1.8	11
33	The Impact of Aging on Macroautophagy in the Pre-ovulatory Mouse Oocyte. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 691826.	1.8	10
34	Proteomic analysis of koala ( <i>Phascolarctos cinereus</i> ) spermatozoa and prostatic bodies. <i>Proteomics</i> , 2021, 21, e2100067.	1.3	10
35	A novel role for milk fat globule-EGF factor 8 protein (MFGE8) in the mediation of mouse sperm-extracellular vesicle interactions. <i>Proteomics</i> , 2021, 21, e2000079.	1.3	9
36	Post-testicular sperm maturation in the saltwater crocodile <i>Crocodylus porosus</i> : assessing the temporal acquisition of sperm motility. <i>Reproduction, Fertility and Development</i> , 2021, 33, 530.	0.1	7

#	ARTICLE	IF	CITATIONS
37	Transcriptomic analysis of the seminal vesicle response to the reproductive toxicant acrylamide. <i>BMC Genomics</i> , 2021, 22, 728.	1.2	7
38	Mechanistic Insight into the Regulation of Lipoxygenase-Driven Lipid Peroxidation Events in Human Spermatozoa and Their Impact on Male Fertility. <i>Antioxidants</i> , 2021, 10, 43.	2.2	7
39	Gross and microanatomy of the male reproductive duct system of the saltwater crocodile. <i>Reproduction, Fertility and Development</i> , 2021, 33, 540-554.	0.1	6
40	A stallion spermatozoon's journey through the mare's genital tract: In vivo and in vitro aspects of sperm capacitation. <i>Animal Reproduction Science</i> , 2022, 246, 106848.	0.5	6
41	Investigation into the presence and functional significance of proinsulin C-peptide in the female germline. <i>Biology of Reproduction</i> , 2019, 100, 1275-1289.	1.2	5
42	Data on the concentrations of etoposide, PSC833, BAPTA-AM, and cycloheximide that do not compromise the vitality of mature mouse oocytes, parthenogenetically activated and fertilized embryos. <i>Data in Brief</i> , 2016, 8, 1215-1220.	0.5	4
43	Sperm Capacitation. , 2018, , 272-278.		3
44	Bicarbonate-Stimulated Membrane Reorganization in Stallion Spermatozoa. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 772254.	1.8	3
45	New Horizons in Male Subfertility and Infertility. , 2020, , 15-27.		1
46	Developing a reproducible protocol for culturing functional confluent monolayers of differentiated equine oviduct epithelial cells. <i>Biology of Reproduction</i> , 2021, , .	1.2	1
47	Fifty years of reproductive biology in Australia: highlights from the 50th Annual Meeting of the Society for Reproductive Biology (SRB). <i>Reproduction, Fertility and Development</i> , 2019, 31, 829.	0.1	0