Woo-Sung Kwon

List of Publications by Year
in descending order

67	1,810	257450 24	276875 41
papers	citations	h-index	g-index

69	69	69	1622
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bisphenol-A Affects Male Fertility via Fertility-related Proteins in Spermatozoa. Scientific Reports, 2015, 5, 9169.	3.3	136
2	Fertility-Related Proteomic Profiling Bull Spermatozoa Separated by Percoll. Journal of Proteome Research, 2012, 11, 4162-4168.	3.7	119
3	A comprehensive proteomic approach to identifying capacitation related proteins in boar spermatozoa. BMC Genomics, 2014, 15, 897.	2.8	116
4	Gestational Exposure to Bisphenol A Affects the Function and Proteome Profile of F1 Spermatozoa in Adult Mice. Environmental Health Perspectives, 2017, 125, 238-245.	6.0	106
5	Voltage-dependent anion channels are a key factor of male fertility. Fertility and Sterility, 2013, 99, 354-361.	1.0	90
6	Discovery of Predictive Biomarkers for Litter Size in Boar Spermatozoa*. Molecular and Cellular Proteomics, 2015, 14, 1230-1240.	3.8	84
7	Sperm Proteomics: Road to Male Fertility and Contraception. International Journal of Endocrinology, 2013, 2013, 1-11.	1.5	71
8	Calcium Influx and Male Fertility in the Context of the Sperm Proteome: An Update. BioMed Research International, 2014, 2014, 1-13.	1.9	69
9	Proteomic approaches for profiling negative fertility markers in inferior boar spermatozoa. Scientific Reports, 2015, 5, 13821.	3.3	67
10	Prediction of male fertility using capacitationâ€associated proteins in spermatozoa. Molecular Reproduction and Development, 2017, 84, 749-759.	2.0	63
11	Increased male fertility using fertility-related biomarkers. Scientific Reports, 2015, 5, 15654.	3.3	62
12	Diagnosis and Prognosis of Male Infertility in Mammal: The Focusing of Tyrosine Phosphorylation and Phosphotyrosine Proteins. Journal of Proteome Research, 2014, 13, 4505-4517.	3.7	50
13	Effect of sodium fluoride on male mouse fertility. Andrology, 2015, 3, 544-551.	3.5	45
14	A Novel Approach to Identifying Physical Markers of Cryo-Damage in Bull Spermatozoa. PLoS ONE, 2015, 10, e0126232.	2.5	43
15	Effects of Motor Vehicle Exhaust on Male Reproductive Function and Associated Proteins. Journal of Proteome Research, 2015, 14, 22-37.	3.7	43
16	Vasopressin Effectively Suppresses Male Fertility. PLoS ONE, 2013, 8, e54192.	2.5	40
17	A novel approach to assessing bisphenol-A hazards using an in vitro model system. BMC Genomics, 2016, 17, 577.	2.8	39
18	Peroxiredoxin activity is a major landmark of male fertility. Scientific Reports, 2017, 7, 17174.	3.3	35

#	Article	IF	Citations
19	Sodium nitroprusside suppresses male fertility in vitro. Andrology, 2014, 2, 899-909.	3.5	33
20	Addition of Cryoprotectant Significantly Alters the Epididymal Sperm Proteome. PLoS ONE, 2016, 11, e0152690.	2.5	33
21	Sex chromosome-dependent differential viability of human spermatozoa during prolonged incubation. Human Reproduction, 2017, 32, 1183-1191.	0.9	31
22	Nutlin-3a Decreases Male Fertility via UQCRC2. PLoS ONE, 2013, 8, e76959.	2.5	29
23	Functional and Proteomic Alterations of F1 Capacitated Spermatozoa of Adult Mice Following Gestational Exposure to Bisphenol A. Journal of Proteome Research, 2018, 17, 524-535.	3.7	27
24	Proteomic identification of cryostress in epididymal spermatozoa. Journal of Animal Science and Biotechnology, 2016, 7, 67.	5.3	26
25	Ras-related proteins (Rab) are key proteins related to male fertility following a unique activation mechanism. Reproductive Biology, 2019, 19, 356-362.	1.9	26
26	Improving litter size by boar spermatozoa: application of combined H33258/CTC staining in field trial with artificial insemination. Andrology, 2015, 3, 552-557.	3.5	25
27	Comparison of markers predicting litter size in different pig breeds. Andrology, 2017, 5, 568-577.	3.5	21
28	Actin-related protein 2/3 complex-based actin polymerization is critical for male fertility. Andrology, 2015, 3, 937-946.	3.5	19
29	2,3,7,8-Tetrachlorodibenzo-p-dioxin can alter the sex ratio of embryos with decreased viability of Y spermatozoa in mice. Reproductive Toxicology, 2018, 77, 130-136.	2.9	19
30	Investigating the effects of fipronil on male fertility: Insight into the mechanism of capacitation. Reproductive Toxicology, 2020, 94, 1-7.	2.9	18
31	Xenoestrogenic chemicals effectively alter sperm functional behavior in mice. Reproductive Toxicology, 2011, 32, 418-424.	2.9	17
32	Sperm Penetration Assay as an Indicator of Bull Fertility. Journal of Reproduction and Development, 2012, 58, 461-466.	1.4	15
33	Sperm solute carrier family 9 regulator 1 is correlated with boar fertility. Theriogenology, 2019, 126, 254-260.	2.1	15
34	Applications of capacitation status for litter size enhancement in various pig breeds. Asian-Australasian Journal of Animal Sciences, 2018, 31, 842-850.	2.4	14
35	Effect of Aminopeptidase N on functions and fertility of mouse spermatozoa inÂvitro. Theriogenology, 2018, 118, 182-189.	2.1	13
36	Comparative expression profiling of testis-enriched genes regulated during the development of spermatogonial cells. PLoS ONE, 2017, 12, e0175787.	2.5	12

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37	Detrimental effects of temephos on male fertility: An in vitro study on a mouse model. Reproductive Toxicology, 2020, 96, 150-155.	2.9	11
38	Ras-related proteins (Rab) play significant roles in sperm motility and capacitation status. Reproductive Biology, 2022, 22, 100617.	1.9	11
39	Elevated aminopeptidase N affects sperm motility and early embryo development. PLoS ONE, 2017, 12, e0184294.	2.5	10
40	Efficacy of four synchronization protocols on the estrus behavior and conception in native Korean cattle (Hanwoo). Theriogenology, 2013, 80, 855-861.	2.1	9
41	Bioinformatics Annotation of Human Y Chromosome-Encoded Protein Pathways and Interactions. Journal of Proteome Research, 2015, 14, 3503-3518.	3.7	9
42	Fms-like tyrosine kinase 3 is a key factor of male fertility. Theriogenology, 2019, 126, 145-152.	2.1	9
43	The deleterious toxic effects of bifenthrin on male fertility. Reproductive Toxicology, 2021, 101, 74-80.	2.9	9
44	Capacitation and acrosome reaction differences of bovine, mouse and porcine spermatozoa in responsiveness to estrogenic compounds. Journal of Animal Science and Technology, 2014, 56, 26.	2.5	8
45	Vanadium adversely affects sperm motility and capacitation status via protein kinase A activity and tyrosine phosphorylation. Reproductive Toxicology, 2020, 96, 195-201.	2.9	8
46	Piperonyl butoxide, a synergist of pesticides can elicit male-mediated reproductive toxicity. Reproductive Toxicology, 2021, 100, 120-125.	2.9	8
47	Novaluron Has Detrimental Effects on Sperm Functions. International Journal of Environmental Research and Public Health, 2022, 19, 61.	2.6	8
48	Proteomic analysis of fetal programmingâ€related obesity markers. Proteomics, 2015, 15, 2669-2677.	2.2	7
49	Differences in ruminal temperature between pregnant and non-pregnant Korean cattle. Journal of Animal Reproduciton and Biotechnology, 2021, 36, 45-50.	0.6	7
50	Inhalation of ammonium sulfate and ammonium nitrate adversely affect sperm function. Reproductive Toxicology, 2020, 96, 424-431.	2.9	6
51	Increased Frequency of Aneuploidy in Long-Lived Spermatozoa. PLoS ONE, 2014, 9, e114600.	2.5	6
52	Proteomic Analysis of One-carbon Metabolism-related Marker in Liver of Rat Offspring. Molecular and Cellular Proteomics, 2015, 14, 2901-2909.	3.8	4
53	Chemotherapeutic Drugs Alter Functional Properties and Proteome of Mouse Testicular Germ Cells In Vitro. Toxicological Sciences, 2018, 164, 465-476.	3.1	4
54	Effect of Arp2/3 Complex on Sperm Motility and Membrane Structure in Bovine. Reproductive & Developmental Biology, 2013, 37, 169-174.	0.1	2

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55	Assessment of cryopreserved sperm functions of Korean native brindled cattle (Chikso) from different region research centers of Korea. Journal of Animal Reproduciton and Biotechnology, 2021, 36, 106-115.	0.6	1
56	Vasopressin Has Detrimental Effect on Male Fertility.. Biology of Reproduction, 2012, 87, 354-354.	2.7	1
57	Change of Ruminoreticular Temperature and Body Activity before and after Parturition in Hanwoo (Bos taurus coreanae) Cows. Sensors, 2021, 21, 7892.	3.8	1
58	Decreased Viability of Y-Chromosome Bearing Spermatozoa Treated with Dioxin In Vitro.. Biology of Reproduction, 2011, 85, 505-505.	2.7	0
59	Role of Voltage-dependent Anion Channels in Male Fertility.. Biology of Reproduction, 2011, 85, 515-515.	2.7	0
60	Marked Correlation Between Protein Expression and Fertility Identified by Proteomic Analysis of Bovine Spermatozoa.. Biology of Reproduction, 2011, 85, 504-504.	2.7	0
61	Effect of Vasopressin on Sperm Function.. Biology of Reproduction, 2011, 85, 516-516.	2.7	0
62	Novel Protein Markers as an Indicator of Male Fertility.. Biology of Reproduction, 2012, 87, 353-353.	2.7	0
63	Proteomic approach of cryo-damage in bovine spermatozoa. Reproduction Abstracts, 0, , .	0.0	0
64	Ferritin Overload Suppresses Male Fertility Via altered Acrosome Reaction. Reproductive & Developmental Biology, 2015, 39, 117-125.	0.1	0
65	Effect of Persimmon Peel as an Additional Feeding. Korean Journal of Poultry Science, 2019, 46, 87-94.	0.3	0
66	Proteomic profiling of cryopreserved Trichormus variabilis using various cryoprotectants. Cryobiology, 2021, 104, 23-23.	0.7	0
67	Effect of glycerol addition time on the cryopreserved Korean native brindle cattle (Chikso) sperm quality. Animal Reproduction, 2022, 19, e20210058.	1.0	0