

# Myung-Geol Pang

## List of Publications by Year in descending order

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123  
papers

4,042  
citations

116194

36  
h-index

162838

57  
g-index

126  
all docs

126  
docs citations

126  
times ranked

3806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Sperm Motility Is Determined by Abnormal Protein Modification during Epididymal Maturation. <i>World Journal of Men's Health</i> , 2022, 40, 526.	1.7	6
2	Bisphenol A damages testicular junctional proteins transgenerationally in mice. <i>Environmental Pollution</i> , 2022, 302, 119067.	3.7	13
3	Heat shock protein family D member 1 in boar spermatozoa is strongly related to the litter size of inseminated sows. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 42.	2.1	7
4	Hepatic consequences of a mixture of endocrine-disrupting chemicals in male mice. <i>Journal of Hazardous Materials</i> , 2022, 436, 129236.	6.5	9
5	Systematic multi-omics reveals the overactivation of T cell receptor signaling in immune system following bisphenol A exposure. <i>Environmental Pollution</i> , 2022, 308, 119590.	3.7	6
6	Bisphenol A exposure increases epididymal susceptibility to infection in mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111476.	2.9	10
7	New technique of sex preselection for increasing female ratio in boar sperm model. <i>Reproduction in Domestic Animals</i> , 2021, 56, 333-341.	0.6	2
8	Mitochondrial Functionality in Male Fertility: From Spermatogenesis to Fertilization. <i>Antioxidants</i> , 2021, 10, 98.	2.2	96
9	Endocrine-Disrupting Chemicals and Infectious Diseases: From Endocrine Disruption to Immunosuppression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3939.	1.8	20
10	Effects of phthalates on the functions and fertility of mouse spermatozoa. <i>Toxicology</i> , 2021, 454, 152746.	2.0	15
11	Peroxiredoxin 4 directly affects the male fertility outcome in porcine. <i>Theriogenology</i> , 2021, 171, 85-93.	0.9	3
12	Role of Insulin in Health and Disease: An Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6403.	1.8	104
13	Multigenerational impacts of gestational bisphenol A exposure on the sperm function and fertility of male mice. <i>Journal of Hazardous Materials</i> , 2021, 416, 125791.	6.5	39
14	Drivers of owning more BPA. <i>Journal of Hazardous Materials</i> , 2021, 417, 126076.	6.5	42
15	Modulatory Effects of Autophagy on APP Processing as a Potential Treatment Target for Alzheimer's Disease. <i>Biomedicines</i> , 2021, 9, 5.	1.4	37
16	Short-term storage of semen samples in acidic extender increases the proportion of females in pigs. <i>BMC Veterinary Research</i> , 2021, 17, 362.	0.7	4
17	NT 5C1B and FH are closely associated with cryoprotectant tolerance in spermatozoa. <i>Andrology</i> , 2020, 8, 221-230.	1.9	2
18	Optimization of sperm RNA processing for developmental research. <i>Scientific Reports</i> , 2020, 10, 11606.	1.6	15

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19	Multigenerational and transgenerational impact of paternal bisphenol A exposure on male fertility in a mouse model. <i>Human Reproduction</i> , 2020, 35, 1740-1752.	0.4	54
20	Paternal Exposure to Bisphenol-A Transgenerationally Impairs Testis Morphology, Germ Cell Associations, and Stemness Properties of Mouse Spermatogonial Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5408.	1.8	10
21	Role of Antioxidants in Alleviating Bisphenol A Toxicity. <i>Biomolecules</i> , 2020, 10, 1105.	1.8	25
22	Bisphenols Threaten Male Reproductive Health via Testicular Cells. <i>Frontiers in Endocrinology</i> , 2020, 11, 624.	1.5	31
23	Emerging risk of environmental factors: insight mechanisms of Alzheimer's diseases. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44659-44672.	2.7	56
24	Bisphenol A affects the maturation and fertilization competence of spermatozoa. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110512.	2.9	22
25	Molecular Insights Into Therapeutic Potential of Autophagy Modulation by Natural Products for Cancer Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 283.	1.8	39
26	Optimized combination of multiple biomarkers to improve diagnostic accuracy in male fertility. <i>Theriogenology</i> , 2019, 139, 106-112.	0.9	12
27	Effect of antioxidants on BPA-induced stress on sperm function in a mouse model. <i>Scientific Reports</i> , 2019, 9, 10584.	1.6	38
28	Porcine seminal protein-I and II mRNA expression in boar spermatozoa is significantly correlated with fertility. <i>Theriogenology</i> , 2019, 138, 31-38.	0.9	13
29	Ras-related proteins (Rab) are key proteins related to male fertility following a unique activation mechanism. <i>Reproductive Biology</i> , 2019, 19, 356-362.	0.9	26
30	Freezability biomarkers in bull epididymal spermatozoa. <i>Scientific Reports</i> , 2019, 9, 12797.	1.6	24
31	GDNF family receptor alpha 1 is a reliable marker of undifferentiated germ cells in bulls. <i>Theriogenology</i> , 2019, 132, 172-181.	0.9	12
32	Sperm solute carrier family 9 regulator 1 is correlated with boar fertility. <i>Theriogenology</i> , 2019, 126, 254-260.	0.9	15
33	Fms-like tyrosine kinase 3 is a key factor of male fertility. <i>Theriogenology</i> , 2019, 126, 145-152.	0.9	9
34	Research update and opportunity of non-hormonal male contraception: Histone demethylase KDM5B-based targeting. <i>Pharmacological Research</i> , 2019, 141, 1-20.	3.1	12
35	New Biological Insights on X and Y Chromosome-Bearing Spermatozoa. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 388.	1.8	35
36	Understanding the molecular mechanisms of bisphenol A action in spermatozoa. <i>Clinical and Experimental Reproductive Medicine</i> , 2019, 46, 99-106.	0.5	29

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37	2,3,7,8-Tetrachlorodibenzo-p-dioxin can alter the sex ratio of embryos with decreased viability of Y spermatozoa in mice. <i>Reproductive Toxicology</i> , 2018, 77, 130-136.	1.3	19
38	Functional and Proteomic Alterations of F1 Capacitated Spermatozoa of Adult Mice Following Gestational Exposure to Bisphenol A. <i>Journal of Proteome Research</i> , 2018, 17, 524-535.	1.8	27
39	Effect of endocrine disruptors on the ratio of X and Y chromosome-bearing live spermatozoa. <i>Reproductive Toxicology</i> , 2018, 82, 10-17.	1.3	19
40	Clinical assessment of the male fertility. <i>Obstetrics and Gynecology Science</i> , 2018, 61, 179.	0.6	64
41	Chemotherapeutic Drugs Alter Functional Properties and Proteome of Mouse Testicular Germ Cells In Vitro. <i>Toxicological Sciences</i> , 2018, 164, 465-476.	1.4	4
42	Effect of Aminopeptidase N on functions and fertility of mouse spermatozoa in vitro. <i>Theriogenology</i> , 2018, 118, 182-189.	0.9	13
43	Applications of capacitation status for litter size enhancement in various pig breeds. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 842-850.	2.4	14
44	Comparison of markers predicting litter size in different pig breeds. <i>Andrology</i> , 2017, 5, 568-577.	1.9	21
45	Sex chromosome-dependent differential viability of human spermatozoa during prolonged incubation. <i>Human Reproduction</i> , 2017, 32, 1183-1191.	0.4	31
46	Prediction of male fertility using capacitation-associated proteins in spermatozoa. <i>Molecular Reproduction and Development</i> , 2017, 84, 749-759.	1.0	63
47	Bisphenol A Affects on the Functional Properties and Proteome of Testicular Germ Cells and Spermatogonial Stem Cells in vitro Culture Model. <i>Scientific Reports</i> , 2017, 7, 11858.	1.6	22
48	A Phytochemical Approach to Promotion of Self-renewal in Murine Spermatogonial Stem Cell by Using Sedum Sarmentosum Extract. <i>Scientific Reports</i> , 2017, 7, 11441.	1.6	6
49	Comprehensive analysis on the homology, interaction, and miRNA regulators of human deleted in azoospermia proteins: updated evolutionary relationships with primates. <i>Genes and Genomics</i> , 2017, 39, 1335-1351.	0.5	2
50	Peroxiredoxin activity is a major landmark of male fertility. <i>Scientific Reports</i> , 2017, 7, 17174.	1.6	35
51	Determination of Highly Sensitive Biological Cell Model Systems to Screen BPA-Related Health Hazards Using Pathway Studio. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1909.	1.8	8
52	Gestational Exposure to Bisphenol A Affects the Function and Proteome Profile of F1 Spermatozoa in Adult Mice. <i>Environmental Health Perspectives</i> , 2017, 125, 238-245.	2.8	106
53	Comparative expression profiling of testis-enriched genes regulated during the development of spermatogonial cells. <i>PLoS ONE</i> , 2017, 12, e0175787.	1.1	12
54	Elevated aminopeptidase N affects sperm motility and early embryo development. <i>PLoS ONE</i> , 2017, 12, e0184294.	1.1	10

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55	Platelet-derived growth factor receptor-alpha positive cardiac progenitor cells derived from multipotent germline stem cells are capable of cardiomyogenesis<i>in vitro</i> and<i>in vivo</i>. <i>Oncotarget</i> , 2017, 8, 29643-29656.	0.8	11
56	A novel approach to assessing bisphenol-A hazards using an in vitro model system. <i>BMC Genomics</i> , 2016, 17, 577.	1.2	39
57	Addition of Cryoprotectant Significantly Alters the Epididymal Sperm Proteome. <i>PLoS ONE</i> , 2016, 11, e0152690.	1.1	33
58	Antioxidant effects of cultured wild ginseng root extracts on the male reproductive function of boars and guinea pigs. <i>Animal Reproduction Science</i> , 2016, 170, 51-60.	0.5	15
59	Proteomic identification of cryostress in epididymal spermatozoa. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 67.	2.1	26
60	Actin-related protein 2/3 complex-based actin polymerization is critical for male fertility. <i>Andrology</i> , 2015, 3, 937-946.	1.9	19
61	Improving litter size by boar spermatozoa: application of combined H33258/CTC staining in field trial with artificial insemination. <i>Andrology</i> , 2015, 3, 552-557.	1.9	25
62	Increased male fertility using fertility-related biomarkers. <i>Scientific Reports</i> , 2015, 5, 15654.	1.6	62
63	Proteomic approaches for profiling negative fertility markers in inferior boar spermatozoa. <i>Scientific Reports</i> , 2015, 5, 13821.	1.6	67
64	Proteomic analysis of fetal programming-related obesity markers. <i>Proteomics</i> , 2015, 15, 2669-2677.	1.3	7
65	A Novel Approach to Identifying Physical Markers of Cryo-Damage in Bull Spermatozoa. <i>PLoS ONE</i> , 2015, 10, e0126232.	1.1	43
66	Effects of Motor Vehicle Exhaust on Male Reproductive Function and Associated Proteins. <i>Journal of Proteome Research</i> , 2015, 14, 22-37.	1.8	43
67	Bisphenol-A Affects Male Fertility via Fertility-related Proteins in Spermatozoa. <i>Scientific Reports</i> , 2015, 5, 9169.	1.6	136
68	Effect of sodium fluoride on male mouse fertility. <i>Andrology</i> , 2015, 3, 544-551.	1.9	45
69	Discovery of Predictive Biomarkers for Litter Size in Boar Spermatozoa*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1230-1240.	2.5	84
70	Proteomic Analysis of One-carbon Metabolism-related Marker in Liver of Rat Offspring. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2901-2909.	2.5	4
71	Bioinformatics Annotation of Human Y Chromosome-Encoded Protein Pathways and Interactions. <i>Journal of Proteome Research</i> , 2015, 14, 3503-3518.	1.8	9
72	Ferritin Overload Suppresses Male Fertility Via altered Acrosome Reaction. <i>Reproductive &amp; Developmental Biology</i> , 2015, 39, 117-125.	0.1	0

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73	A comprehensive proteomic approach to identifying capacitation related proteins in boar spermatozoa. BMC Genomics, 2014, 15, 897.	1.2	116
74	Calcium Influx and Male Fertility in the Context of the Sperm Proteome: An Update. BioMed Research International, 2014, 2014, 1-13.	0.9	69
75	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.	0.8	8
76	Diagnosis and Prognosis of Male Infertility in Mammal: The Focusing of Tyrosine Phosphorylation and Phosphotyrosine Proteins. Journal of Proteome Research, 2014, 13, 4505-4517.	1.8	50
77	Sodium nitroprusside suppresses male fertility in vitro. Andrology, 2014, 2, 899-909.	1.9	33
78	Increased Frequency of Aneuploidy in Long-Lived Spermatozoa. PLoS ONE, 2014, 9, e114600.	1.1	6
79	Proteomic Revolution to Improve Tools for Evaluating Male Fertility in Animals. Journal of Proteome Research, 2013, 12, 4738-4747.	1.8	39
80	Efficacy of four synchronization protocols on the estrus behavior and conception in native Korean cattle (Hanwoo). Theriogenology, 2013, 80, 855-861.	0.9	9
81	Feed restriction during pregnancy/lactation induces programmed changes in lipid, adiponectin and leptin levels with gender differences in rat offspring. Journal of Maternal-Fetal and Neonatal Medicine, 2013, 26, 908-914.	0.7	24
82	Histone H3 lysine 27 and 9 hypermethylation within the Bad promoter region mediates 5-Aza-2â€²-deoxycytidine-induced Leydig cell apoptosis: implications of 5-Aza-2â€²-deoxycytidine toxicity to male reproduction. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 99-109.	2.2	25
83	Voltage-dependent anion channels are a key factor of male fertility. Fertility and Sterility, 2013, 99, 354-361.	0.5	90
84	Sperm Proteomics: Road to Male Fertility and Contraception. International Journal of Endocrinology, 2013, 2013, 1-11.	0.6	71
85	Stage-specific embryonic antigen-1 expression by undifferentiated spermatogonia in the prepubertal boar testis. Journal of Animal Science, 2013, 91, 3143-3154.	0.2	28
86	Vasopressin Effectively Suppresses Male Fertility. PLoS ONE, 2013, 8, e54192.	1.1	40
87	Effect of Arp2/3 Complex on Sperm Motility and Membrane Structure in Bovine. Reproductive & Developmental Biology, 2013, 37, 169-174.	0.1	2
88	Nutlin-3a Decreases Male Fertility via UQCRC2. PLoS ONE, 2013, 8, e76959.	1.1	29
89	Decline in male circumcision in South Korea. BMC Public Health, 2012, 12, 1067.	1.2	13
90	Fertility-Related Proteomic Profiling Bull Spermatozoa Separated by Percoll. Journal of Proteome Research, 2012, 11, 4162-4168.	1.8	119

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91	Sperm Penetration Assay as an Indicator of Bull Fertility. <i>Journal of Reproduction and Development</i> , 2012, 58, 461-466.	0.5	15
92	Xenoestrogenic compounds promote capacitation and an acrosome reaction in porcine sperm. <i>Theriogenology</i> , 2011, 75, 1161-1169.	0.9	34
93	Xenoestrogenic chemicals effectively alter sperm functional behavior in mice. <i>Reproductive Toxicology</i> , 2011, 32, 418-424.	1.3	17
94	Effect of Vasopressin on Sperm Function.. <i>Biology of Reproduction</i> , 2011, 85, 516-516.	1.2	0
95	The sperm penetration assay predicts the litter size in pigs. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, 604-612.	3.6	15
96	Paraoxonase 1 gene and glutathione S-transferase $\gamma$ 1 gene interaction with preterm delivery in Korean women. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 569.e1-569.e7.	0.7	9
97	The transgenerational impact of benzo(a)pyrene on murine male fertility. <i>Human Reproduction</i> , 2010, 25, 2427-2433.	0.4	83
98	Capacitation status of stored boar spermatozoa is related to litter size of sows. <i>Animal Reproduction Science</i> , 2010, 121, 131-138.	0.5	39
99	Numerical chromosome abnormalities are associated with sperm tail swelling patterns. <i>Fertility and Sterility</i> , 2010, 94, 1012-1020.	0.5	19
100	Uterine artery notch is associated with increased placental endothelial nitric oxide synthase and heat shock protein. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2010, 23, 153-157.	0.7	11
101	Comparison in the yield of fetal nucleated red blood cell between the first-and second-trimester using double density gradient centrifugation. <i>Korean Journal of Obstetrics and Gynecology</i> , 2010, 53, 127.	0.1	2
102	Lysophosphatidylcholine induces endothelial cell injury by nitric oxide production through oxidative stress. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2009, 22, 325-331.	0.7	47
103	No Association of the Genetic Polymorphisms of Endothelial Nitric Oxide Synthase, Dimethylarginine Dimethylaminohydrolase, and Vascular Endothelial Growth Factor With Preeclampsia in Korean Populations. <i>Twin Research and Human Genetics</i> , 2008, 11, 77-83.	0.3	34
104	Analysis of Reproductive Ability in the Transgenic Boar. <i>Biology of Reproduction</i> , 2008, 78, 174-175.	1.2	0
105	Paraoxonase gene polymorphism, serum lipid, and oxidized low-density lipoprotein in preeclampsia. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2007, 133, 47-52.	0.5	28
106	A high yield of fetal nucleated red blood cells isolated using optimal osmolality and a double density gradient system. <i>Prenatal Diagnosis</i> , 2007, 27, 1245-1250.	1.1	25
107	The effect of male circumcision on sexuality. <i>BJU International</i> , 2007, 99, 619-622.	1.3	101
108	Prenatal Increased Asymmetric Dimethylarginine Is Associated with Placental Heat-Shock Protein 70 and Lectin-like Oxidized Low-Density Lipoprotein Receptor-1 Expression. <i>Archives of Medical Research</i> , 2007, 38, 839-845.	1.5	3

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109	Chromosomal Constitution of Embryos Derived from Tripronuclear Zygotes Studied by Fluorescence in situ Hybridization Using Probes for Chromosomes 4, 13, 18, 21, X, and Y. <i>Gynecologic and Obstetric Investigation</i> , 2005, 59, 14-18.	0.7	8
110	The high incidence of meiotic errors increases with decreased sperm count in severe male factor infertilities. <i>Human Reproduction</i> , 2005, 20, 1688-1694.	0.4	32
111	Oxidative stress-related gene polymorphism and the risk of preeclampsia. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2005, 119, 42-46.	0.5	39
112	Nonlinear matching measure for the analysis of on-off type DNA microarray images. <i>Journal of Biomedical Optics</i> , 2004, 9, 432.	1.4	1
113	Spermatozoa aneuploidy for 15 chromosomes by fluorescence in situ hybridization (FISH) and somatic cell karyotypes from two hundred thirty oligoasthenoteratozoospermic (OAT) males. <i>Fertility and Sterility</i> , 2003, 80, 114-115.	0.5	0
114	Molecular Cytogenetic Analysis of Sperm from Infertile Males Undergoing Intracytoplasmic Sperm Injection. , 2000, 123, 307-322.		4
115	Production of biologically active human granulocyte colony stimulating factor in the milk of transgenic goat. <i>Transgenic Research</i> , 2000, 9, 215-222.	1.3	45
116	Detection of aneuploidy for chromosomes 4, 6, 7, 8, 9, 10, 11, 12, 13, 17, 18, 21, X and Y by fluorescence in-situ hybridization in spermatozoa from nine patients with oligoasthenoteratozoospermia undergoing intracytoplasmic sperm injection. <i>Human Reproduction</i> , 1999, 14, 1266-1273.	0.4	214
117	Aneuploidy frequencies in semen fractions from ten oligoasthenoteratozoospermic patients donating sperm for intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 1999, 72, 472-478.	0.5	112
118	Cytogenetics of somatic cells and sperm from a 46,XY/45,X mosaic male with moderate oligoasthenoteratozoospermia. <i>Fertility and Sterility</i> , 1998, 69, 146-148.	0.5	18
119	Assignment of the Hypoxia-Inducible Factor 1 $\pm$ Gene to a Region of Conserved Synteny on Mouse Chromosome 12 and Human Chromosome 14q. <i>Genomics</i> , 1996, 34, 437-439.	1.3	74
120	Expression of the Human Multidrug Resistance and Glucocerebrosidase cDNAs from Adeno-Associated Vectors: Efficient Promoter Activity of AAV Sequences and In Vivo Delivery via Liposomes. <i>Human Gene Therapy</i> , 1996, 7, 1309-1322.	1.4	41
121	Sex chromosome abnormalities after intracytoplasmic sperm injection. <i>Lancet, The</i> , 1995, 346, 1095-1097.	6.3	154
122	Factors Affecting Penetration of Zona-Free Hamster OVA. <i>Archives of Andrology</i> , 1990, 25, 213-224.	1.0	5
123	Proteomic approach of cryo-damage in bovine spermatozoa. <i>Reproduction Abstracts</i> , 0, , .	0.0	0