

# Philip C N Chiu

## List of Publications by Year in descending order

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89  
papers

3,158  
citations

126708

33  
h-index

168136

53  
g-index

92  
all docs

92  
docs citations

92  
times ranked

3543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulating nature in sperm selection for assisted reproduction. <i>Nature Reviews Urology</i> , 2022, 19, 16-36.	1.9	28
2	Long-read sequencing on the SMRT platform enables efficient haplotype linkage analysis in preimplantation genetic testing for $\beta^2$ -thalassemia. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 739-746.	1.2	9
3	Human placental exosomes induce maternal systemic immune tolerance by reprogramming circulating monocytes. <i>Journal of Nanobiotechnology</i> , 2022, 20, 86.	4.2	21
4	The Regulatory Roles of Chemerin-Chemokine-Like Receptor 1 Axis in Placental Development and Vascular Remodeling During Early Pregnancy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	4
5	Dysregulation of the CD147 complex confers defective placental development: A pathogenesis of early-onset preeclampsia. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	3
6	The application of late amniocentesis: a retrospective study in a tertiary fetal medicine center in China. <i>BMC Pregnancy and Childbirth</i> , 2021, 21, 266.	0.9	1
7	Placenta-Derived Exosomes as a Modulator in Maternal Immune Tolerance During Pregnancy. <i>Frontiers in Immunology</i> , 2021, 12, 671093.	2.2	49
8	Identification of Sialyl-Lewis(x)-Interacting Protein on Human Spermatozoa. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 700396.	1.8	4
9	Identification of Adrenomedullin-Induced S-Nitrosylated Proteins in JEG-3 Placental Cells. <i>Reproductive Sciences</i> , 2021, , 1.	1.1	0
10	Regulation of human trophoblast surrogate JEG-3 spheroids implantation potential by Wnt/ $\beta^2$ -catenin pathway and lin28a/let-7a axis. <i>Experimental Cell Research</i> , 2020, 388, 111718.	1.2	11
11	The relationship between circadian blood pressure variability and maternal/perinatal outcomes in women with preeclampsia with severe features. <i>Hypertension in Pregnancy</i> , 2020, 39, 405-410.	0.5	6
12	Let-7 derived from endometrial extracellular vesicles is an important inducer of embryonic diapause in mice. <i>Science Advances</i> , 2020, 6, .	4.7	27
13	Decidual glycodelin-A polarizes human monocytes towards a decidual macrophage-like phenotype via siglec-7. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	12
14	Adrenomedullin insufficiency alters macrophage activities in fallopian tube: a pathophysiologic explanation of tubal ectopic pregnancy. <i>Mucosal Immunology</i> , 2020, 13, 743-752.	2.7	10
15	Platelet-activating factor induces acrosome reaction via the activation of extracellular signal-regulated kinase in human spermatozoa. <i>Andrologia</i> , 2020, 52, e13565.	1.0	6
16	Altered glycosylation of glycodelin in endometrial carcinoma. <i>Laboratory Investigation</i> , 2020, 100, 1014-1025.	1.7	16
17	Mir-let-7a/g Enhances Uterine Receptivity via Suppressing Wnt/ $\beta^2$ -Catenin Under the Modulation of Ovarian Hormones. <i>Reproductive Sciences</i> , 2020, 27, 1164-1174.	1.1	17
18	Myometrial Cells Stimulate Self-Renewal of Endometrial Mesenchymal Stem-Like Cells Through WNT5A/ $\beta^2$ -Catenin Signaling. <i>Stem Cells</i> , 2019, 37, 1455-1466.	1.4	23

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19	Alteration of the immune cell profiles in the pathophysiology of tubal ectopic pregnancy. American Journal of Reproductive Immunology, 2019, 81, e13093.	1.2	14
20	Sialyl Lewisx-P-selectin cascade mediates tumorâ€‘mesothelial adhesion in ascitic fluid shear flow. Nature Communications, 2019, 10, 2406.	5.8	33
21	The role of galectin-3 in spermatozoa-zona pellucida binding and its association with fertilization in vitro. Molecular Human Reproduction, 2019, 25, 458-470.	1.3	15
22	Glycodelin-A stimulates the conversion of human peripheral blood CD16â‘CD56bright NK cell to a decidual NK cell-like phenotype. Human Reproduction, 2019, 34, 689-701.	0.4	37
23	Chemoenzymatic Synthesis of Asymmetrical Multiâ€‘Antennary <i>N</i>â€‘Glycans to Dissect Glycanâ€‘Mediated Interactions between Human Sperm and Oocytes. Chemistry - A European Journal, 2018, 24, 7970-7975.	1.7	13
24	The roles of protein disulphide isomerase family A, member 3 (ERp57) and surface thiol/disulphide exchange in human spermatozoaâ€‘zona pellucida binding. Human Reproduction, 2017, 32, 733-742.	0.4	15
25	Micro<scp>RNA</scp> and Embryo Implantation. American Journal of Reproductive Immunology, 2016, 75, 263-271.	1.2	88
26	The Pleiotropic Effect of Glycodelinâ€‘A in Early Pregnancy. American Journal of Reproductive Immunology, 2016, 75, 290-297.	1.2	46
27	The effect of 7 days of letrozole pretreatment combined with misoprostol on the expression of progesterone receptor and apoptotic factors of placental and decidual tissues from first-trimester abortion: a randomized controlled trial. Contraception, 2016, 93, 323-330.	0.8	5
28	Effects of adrenomedullin on the expression of inflammatory cytokines and chemokines in oviducts from women with tubal ectopic pregnancy: an in-vitro experimental study. Reproductive Biology and Endocrinology, 2015, 13, 120.	1.4	8
29	Human chorionic gonadotropin stimulates spheroid attachment onâ€‘fallopian tube epithelial cells through the mitogen-activated protein kinase pathway and down-regulation of olfactomedin-1. Fertility and Sterility, 2015, 104, 474-482.	0.5	14
30	Sperm fucosyltransferase-5 mediates spermatozoaâ€‘oviductal epithelial cell interaction to protect human spermatozoa from oxidative damage. Molecular Human Reproduction, 2015, 21, 516-526.	1.3	6
31	Soluble human leukocyte antigen G5 polarizes differentiation of macrophages toward a decidual macrophage-like phenotype. Human Reproduction, 2015, 30, 2263-2274.	0.4	64
32	Annexin A2 Acts as an Adhesion Molecule on the Endometrial Epithelium during Implantation in Mice. PLoS ONE, 2015, 10, e0139506.	1.1	19
33	Glycodelinâ€‘A treatment reduces the adverse effect of macrophage coâ€‘culture on human sperm motility. Molecular Reproduction and Development, 2014, 81, 482-483.	1.0	2
34	The identity of zona pellucida receptor on spermatozoa: An unresolved issue in developmental biology. Seminars in Cell and Developmental Biology, 2014, 30, 86-95.	2.3	19
35	An in vitro study of the effect of mifepristone and ulipristal acetate on human sperm functions. Andrology, 2014, 2, 868-874.	1.9	17
36	MicroRNA-34a is a tumor suppressor in choriocarcinoma via regulation of Delta-like1. BMC Cancer, 2013, 13, 25.	1.1	39

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37	Human chorionic gonadotropin and its free $\beta$ -subunit stimulate trophoblast invasion independent of LH/hCG receptor. <i>Molecular and Cellular Endocrinology</i> , 2013, 375, 43-52.	1.6	45
38	Identification of CD147 (basigin) as a mediator of trophoblast functions. <i>Human Reproduction</i> , 2013, 28, 2920-2929.	0.4	39
39	Cell membrane proteins from oviductal epithelial cell line protect human spermatozoa from oxidative damage. <i>Fertility and Sterility</i> , 2013, 99, 1444-1452.e3.	0.5	24
40	Adrenomedullin Enhances Invasion of Human Extravillous Cytotrophoblast-Derived Cell Lines by Regulation of Urokinase Plasminogen Activator Expression and S-Nitrosylation. <i>Biology of Reproduction</i> , 2013, 88, 34.	1.2	13
41	Glycodelin-A Stimulates Interleukin-6 Secretion by Human Monocytes and Macrophages through L-selectin and the Extracellular Signal-regulated Kinase Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 36999-37009.	1.6	36
42	Sperm-borne microRNA-34c is required for the first cleavage division in mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 490-494.	3.3	392
43	SLex: potential implications for fertility and contraception. <i>Expert Review of Obstetrics and Gynecology</i> , 2012, 7, 1-3.	0.4	0
44	Study of transforming growth factor alpha for the maintenance of human embryonic stem cells. <i>Cell and Tissue Research</i> , 2012, 350, 289-303.	1.5	9
45	Glycodelin-A modulates syncytialization of human BeWo choriocarcinoma cell line. <i>Placenta</i> , 2012, 33, 750-752.	0.7	5
46	Adrenomedullin enhances the progressive motility and zona pellucida-binding capacity of spermatozoa from normozoospermic but not asthenozoospermic men. <i>Molecular Reproduction and Development</i> , 2012, 79, 76-76.	1.0	4
47	Human Sperm Binding Is Mediated by the Sialyl-Lewis <sup>x</sup> Oligosaccharide on the Zona Pellucida. <i>Science</i> , 2011, 333, 1761-1764.	6.0	278
48	Glycodelin-A as a paracrine regulator in early pregnancy. <i>Journal of Reproductive Immunology</i> , 2011, 90, 29-34.	0.8	60
49	Online combination of reversed-phase/reversed-phase and porous graphitic carbon liquid chromatography for multicomponent separation of proteomics and glycoproteomics samples. <i>Electrophoresis</i> , 2011, 32, 2930-2940.	1.3	27
50	Glycosylation Failure Extends to Glycoproteins in Gestational Diabetes Mellitus. <i>Diabetes</i> , 2011, 60, 909-917.	0.3	53
51	Differential actions of glycodelin-A on Th-1 and Th-2 cells: a paracrine mechanism that could produce the Th-2 dominant environment during pregnancy. <i>Human Reproduction</i> , 2011, 26, 517-526.	0.4	37
52	Glycodelin-A Protein Interacts with Siglec-6 Protein to Suppress Trophoblast Invasiveness by Down-regulating Extracellular Signal-regulated Kinase (ERK)/c-Jun Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 37118-37127.	1.6	57
53	Adrenomedullin Stimulates Human Trophoblast Invasion Through the Upregulation of Nitric Oxide and Urokinase Plasminogen Activator Activity.. <i>Biology of Reproduction</i> , 2011, 85, 446-446.	1.2	0
54	The Immunomodulatory Properties of Glycodelin-A on Human Monocyte and Macrophage.. <i>Biology of Reproduction</i> , 2011, 85, 711-711.	1.2	0

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55	Online coupling of reverse-phase and hydrophilic interaction liquid chromatography for protein and glycoprotein characterization. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 791-804.	1.9	50
56	Glycodelin-A modulates the homeostasis of human T-helper cell: Possible involvement in the maternal-fetal tolerogenic environment. <i>Journal of Reproductive Immunology</i> , 2010, 86, 94-95.	0.8	1
57	Adrenomedullin Regulates Sperm Motility and Oviductal Ciliary Beat via Cyclic Adenosine 5'-Monophosphate/Protein Kinase A and Nitric Oxide. <i>Endocrinology</i> , 2010, 151, 3336-3347.	1.4	32
58	Zona pellucida-induced acrosome reaction in human spermatozoa is potentiated by glycodelin-A via down-regulation of extracellular signal-regulated kinases and up-regulation of zona pellucida-induced calcium influx. <i>Human Reproduction</i> , 2010, 25, 2721-2733.	0.4	26
59	Expression of Adrenomedullin in Human Oviduct, Its Regulation by the Hormonal Cycle and Contact with Spermatozoa, and Its Effect on Ciliary Beat Frequency of the Oviductal Epithelium. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, E18-E25.	1.8	49
60	MicroRNA-34a suppresses invasion through downregulation of Notch1 and Jagged1 in cervical carcinoma and choriocarcinoma cells. <i>Carcinogenesis</i> , 2010, 31, 1037-1044.	1.3	221
61	Glycodelin-A modulates cytokine production of peripheral blood natural killer cells. <i>Fertility and Sterility</i> , 2010, 94, 769-771.	0.5	23
62	Zygotic Increase in microRNA-34c Is Required for the First Cleavage Division in Mouse.. <i>Biology of Reproduction</i> , 2010, 83, 239-239.	1.2	0
63	Glycodelin-A Primes Zona Pellucida-Induced Acrosome Reaction of Human Spermatozoa via Downregulation of Extracellular Signal Regulated Kinases and Enhancement of Zona Pellucida-Induced Calcium Influx.. <i>Biology of Reproduction</i> , 2010, 83, 173-173.	1.2	0
64	Effects of Differential Glycosylation of Glycodelins on Lymphocyte Survival. <i>Journal of Biological Chemistry</i> , 2009, 284, 15084-15096.	1.6	54
65	Glycodelin-A as a modulator of trophoblast invasion. <i>Human Reproduction</i> , 2009, 24, 2093-2103.	0.4	37
66	Cumulus-associated $\beta$ 2-macroglobulin derivative retains proconceptive glycodelin-C in the human cumulus matrix. <i>Human Reproduction</i> , 2009, 24, 2856-2867.	0.4	11
67	Glycodelin in reproductive endocrinology and hormone-related cancer. <i>European Journal of Endocrinology</i> , 2009, 160, 121-133.	1.9	52
68	Effects of glycodelins on functional competence of spermatozoa. <i>Journal of Reproductive Immunology</i> , 2009, 83, 26-30.	0.8	53
69	Effect of leptin on motility, capacitation and acrosome reaction of human spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 687-694.	3.6	36
70	Cumulus cells and their extracellular matrix affect the quality of the spermatozoa penetrating the cumulus mass. <i>Fertility and Sterility</i> , 2009, 92, 971-978.	0.5	34
71	Adrenomedullin and Oviduct Function in Human and Rats.. <i>Biology of Reproduction</i> , 2009, 81, 99-99.	1.2	0
72	Effects of Native Human Zona Pellucida Glycoproteins 3 and 4 on Acrosome Reaction and Zona Pellucida Binding of Human Spermatozoa. <i>Biology of Reproduction</i> , 2008, 79, 869-877.	1.2	77

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73	Native human zona pellucida glycoproteins: purification and binding properties. <i>Human Reproduction</i> , 2008, 23, 1385-1393.	0.4	45
74	Purification of Native Human Zona Pellucida Glycoproteins from Eggs: Binding Characteristics to Human Spermatozoa, Hyper-activation, Acrosomal Exocytosis, and Sperm-Oocyte Interaction.. <i>Biology of Reproduction</i> , 2008, 78, 70-70.	1.2	0
75	Impaired Immunosuppressive Activities of Glycodelin-A in Pregnant Women with Gestational Diabetes Mellitus.. <i>Biology of Reproduction</i> , 2008, 78, 197-198.	1.2	0
76	Glycodelin-A Suppresses the Invasion of the Human Extravillous Cytotrophoblast.. <i>Biology of Reproduction</i> , 2008, 78, 142-142.	1.2	0
77	Cumulus Oophorus-associated Glycodelin-C Displaces Sperm-bound Glycodelin-A and -F and Stimulates Spermatozoa-Zona Pellucida Binding. <i>Journal of Biological Chemistry</i> , 2007, 282, 5378-5388.	1.6	50
78	Glycosylation related actions of glycodelin: gamete, cumulus cell, immune cell and clinical associations. <i>Human Reproduction Update</i> , 2007, 13, 275-287.	5.2	83
79	Glycodelin-A interacts with fucosyltransferase on human sperm plasma membrane to inhibit spermatozoa-zona pellucida binding. <i>Journal of Cell Science</i> , 2007, 120, 33-44.	1.2	67
80	Glycodelin: a molecule with multi-functions on spermatozoa. <i>Society of Reproduction and Fertility Supplement</i> , 2007, 63, 143-51.	0.2	7
81	Roles of glycodelin in modulating sperm function. <i>Molecular and Cellular Endocrinology</i> , 2006, 250, 149-156.	1.6	54
82	Glycodelin-S in Human Seminal Plasma Reduces Cholesterol Efflux and Inhibits Capacitation of Spermatozoa. <i>Journal of Biological Chemistry</i> , 2005, 280, 25580-25589.	1.6	76
83	The Contribution of d-Mannose, l-Fucose, N-Acetylglucosamine, and Selectin Residues on the Binding of Glycodelin Isoforms to Human Spermatozoa1. <i>Biology of Reproduction</i> , 2004, 70, 1710-1719.	1.2	28
84	Establishment of a capillary-cumulus model to study the selection of sperm for fertilization by the cumulus oophorus. <i>Human Reproduction</i> , 2004, 19, 1562-1569.	0.4	34
85	Binding of Zona Binding Inhibitory Factor-1 (ZIF-1) from Human Follicular Fluid on Spermatozoa. <i>Journal of Biological Chemistry</i> , 2003, 278, 13570-13577.	1.6	32
86	Zona-Binding Inhibitory Factor-1 from Human Follicular Fluid Is an Isoform of Glycodelin1. <i>Biology of Reproduction</i> , 2003, 69, 365-372.	1.2	45
87	Differences in Glycosylation and Sperm-Egg Binding Inhibition of Pregnancy-Related Glycodelin1. <i>Biology of Reproduction</i> , 2003, 69, 1545-1551.	1.2	32
88	The effects of levonorgestrel on various sperm functions. <i>Contraception</i> , 2002, 66, 453-457.	0.8	42
89	Glycoproteins present in human follicular fluid that inhibit the zona- binding capacity of spermatozoa. <i>Human Reproduction</i> , 1998, 13, 2541-2547.	0.4	27