

# Junaid Kashir

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,031  
citations

257450

24  
h-index

254184

43  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oocyte activation, phospholipase C zeta and human infertility. <i>Human Reproduction Update</i> , 2010, 16, 690-703.	10.8	232
2	Loop mediated isothermal amplification (LAMP) assays as a rapid diagnostic for COVID-19. <i>Medical Hypotheses</i> , 2020, 141, 109786.	1.5	213
3	A maternally inherited autosomal point mutation in human phospholipase C zeta (PLC $\zeta$ ) leads to male infertility. <i>Human Reproduction</i> , 2012, 27, 222-231.	0.9	117
4	Comparative biology of sperm factors and fertilization-induced calcium signals across the animal kingdom. <i>Molecular Reproduction and Development</i> , 2013, 80, 787-815.	2.0	83
5	Loss of activity mutations in phospholipase C zeta (PLC $\zeta$ ) abolishes calcium oscillatory ability of human recombinant protein in mouse oocytes. <i>Human Reproduction</i> , 2011, 26, 3372-3387.	0.9	75
6	Sperm PLC $\zeta$ : From structure to Ca <sup>2+</sup> oscillations, egg activation and therapeutic potential. <i>FEBS Letters</i> , 2013, 587, 3609-3616.	2.8	74
7	Variance in total levels of phospholipase C zeta (PLC $\zeta$ ) in human sperm may limit the applicability of quantitative immunofluorescent analysis as a diagnostic indicator of oocyte activation capability. <i>Fertility and Sterility</i> , 2013, 99, 107-117.e3.	1.0	70
8	Novel therapeutic targets for SARS-CoV-2-induced acute lung injury: Targeting a potential IL-1 $\beta$ /neutrophil extracellular traps feedback loop. <i>Medical Hypotheses</i> , 2020, 143, 109906.	1.5	70
9	Innate immunity in COVID-19 patients mediated by NKG2A receptors, and potential treatment using Monalizumab, Chloroquine, and antiviral agents. <i>Medical Hypotheses</i> , 2020, 140, 109777.	1.5	69
10	Total levels, localization patterns, and proportions of sperm exhibiting phospholipase C zeta are significantly correlated with fertilization rates after intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2015, 104, 561-568.e4.	1.0	67
11	Sperm-induced Ca <sup>2+</sup> release during egg activation in mammals. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1204-1211.	2.1	66
12	Oocyte activation and phospholipase C zeta (PLC $\zeta$ ): diagnostic and therapeutic implications for assisted reproductive technology. <i>Cell Communication and Signaling</i> , 2012, 10, 12.	6.5	65
13	Sperm-specific post-acrosomal WW-domain binding protein (PAWP) does not cause Ca <sup>2+</sup> release in mouse oocytes. <i>Molecular Human Reproduction</i> , 2014, 20, 938-947.	2.8	57
14	Effects of cryopreservation and density-gradient washing on phospholipase C zeta concentrations in human spermatozoa. <i>Reproductive BioMedicine Online</i> , 2011, 23, 263-267.	2.4	52
15	Characterization of two heterozygous mutations of the oocyte activation factor phospholipase C zeta (PLC $\zeta$ ) from an infertile man by use of minisequencing of individual sperm and expression in somatic cells. <i>Fertility and Sterility</i> , 2012, 98, 423-431.	1.0	52
16	Effects of mesoporous silica nanoparticles upon the function of mammalian sperm in vitro. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 859-870.	3.3	51
17	Identification and functional analysis of an ovarian form of the egg activation factor phospholipase C zeta (PLC $\zeta$ ) in pufferfish. <i>Molecular Reproduction and Development</i> , 2011, 78, 48-56.	2.0	47
18	Motile sperm organelle morphology evaluation-selected globozoospermic human sperm with an acrosomal bud exhibits novel patterns and higher levels of phospholipase C zeta. <i>Human Reproduction</i> , 2012, 27, 3150-3160.	0.9	43

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19	Functional disparity between human PAWP and PLC $\zeta$ in the generation of Ca <sup>2+</sup> oscillations for oocyte activation. <i>Molecular Human Reproduction</i> , 2015, 21, 702-710.	2.8	42
20	Essential Role of Sperm-Specific PLC-Zeta in Egg Activation and Male Factor Infertility: An Update. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 28.	3.7	40
21	COVID-19: Role of neutrophil extracellular traps in acute lung injury. <i>Respiratory Investigation</i> , 2020, 58, 419-420.	1.8	35
22	Phospholipase C zeta and calcium oscillations at fertilisation: The evidence, applications, and further questions. <i>Advances in Biological Regulation</i> , 2018, 67, 148-162.	2.3	31
23	PLC $\zeta$ or PAWP: revisiting the putative mammalian sperm factor that triggers egg activation and embryogenesis. <i>Molecular Human Reproduction</i> , 2015, 21, 383-388.	2.8	30
24	Distinctive malfunctions of calmodulin mutations associated with heart RyR2-mediated arrhythmic disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2168-2176.	2.4	28
25	Mechanistic Insights Into the Immune Pathophysiology of COVID-19; An In-Depth Review. <i>Frontiers in Immunology</i> , 2022, 13, 835104.	4.8	28
26	Antigen unmasking enhances visualization efficacy of the oocyte activation factor, phospholipase C zeta, in mammalian sperm. <i>Molecular Human Reproduction</i> , 2017, 23, 54-67.	2.8	26
27	The role and mechanism of action of sperm PLC-zeta in mammalian fertilisation. <i>Biochemical Journal</i> , 2017, 474, 3659-3673.	3.7	26
28	Altered RyR2 regulation by the calmodulin F90L mutation associated with idiopathic ventricular fibrillation and early sudden cardiac death. <i>FEBS Letters</i> , 2014, 588, 2898-2902.	2.8	25
29	Calcium Oscillations, Oocyte Activation, and Phospholipase C zeta. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 1095-1121.	1.6	23
30	Increasing associations between defects in phospholipase C zeta and conditions of male infertility: not just ICSI failure?. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1273-1293.	2.5	20
31	Effect of SARS-CoV-2 Mutations on the Efficacy of Antibody Therapy and Response to Vaccines. <i>Vaccines</i> , 2021, 9, 914.	4.4	20
32	Oocyte activation deficiency and assisted oocyte activation: mechanisms, obstacles and prospects for clinical application. <i>Human Reproduction Open</i> , 2022, 2022, hoac003.	5.4	20
33	Scientific premise for the involvement of neutrophil extracellular traps (NETs) in vaccine-induced thrombotic thrombocytopenia (VITT). <i>Journal of Leukocyte Biology</i> , 2021, , .	3.3	19
34	Viability Assessment for Artificial Gametes: The Need for Biomarkers of Functional Competency <sup>1</sup> . <i>Biology of Reproduction</i> , 2012, 87, 114.	2.7	16
35	Phospholipase C zeta profiles are indicative of optimal sperm parameters and fertilisation success in patients undergoing fertility treatment. <i>Andrology</i> , 2020, 8, 1143-1159.	3.5	15
36	Mutations in PLC $\zeta$ 1 associated with hereditary leukonychia display divergent PIP <sub>2</sub> hydrolytic function. <i>FEBS Journal</i> , 2016, 283, 4502-4514.	4.7	12

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37	Clinician-induced (iatrogenic) damage incurred during human infertility treatment: Detrimental effects of sperm selection methods and cryopreservation upon the viability, DNA integrity, and function of human sperm. <i>Asian Pacific Journal of Reproduction</i> , 2012, 1, 69-75.	0.4	8
38	Application of intravenous immunoglobulin (IVIG) to modulate inflammation in critical COVID-19 – A theoretical perspective. <i>Medical Hypotheses</i> , 2021, 151, 110592.	1.5	8
39	Can Facebook pages be a mode of blended learning to supplement in-class teaching in Saudi Arabia?. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2017, 41, 472-477.	1.6	7
40	COVID-19: cross-immunity of viral epitopes may influence severity of infection and immune response. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 102.	17.1	7
41	Understanding COVID-19 Vaccines Today: Are T-cells Key Players?. <i>Vaccines</i> , 2022, 10, 904.	4.4	7
42	Fertilization, Oocyte Activation, Calcium Release and Epigenetic Remodelling: Lessons From Cancer Models. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 781953.	3.7	6
43	Applying integrated video assisted learning approaches for medical clerkship – potential adaptations in the post-COVID-19 era. <i>Journal of Medical Education and Curricular Development</i> , 2020, 7, 238212052096304.	1.5	5
44	Implementation of structured team-based review enhances knowledge consolidation and academic performance of undergraduate medical students studying neuroscience. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020, 44, 232-238.	1.6	4
45	Advancing male age differentially alters levels and localization patterns of PLCzeta in sperm and testes from different mouse strains. <i>Asian Journal of Andrology</i> , 2021, 23, 178.	1.6	4
46	The male reproductive tract and spermatogenesis. , 2013, , 18-26.		3
47	Clinician-Induced (Iatrogenic) Damage Incurred during Human Fertility Treatment: Detrimental Effects upon Gamete and Embryo Viability and the Potential for Epigenetic Risk. , 2012, 02, .		3
48	NET-Mediated Pathogenesis of COVID-19: The Role of NETs in Hepatic Manifestations. <i>Journal of Health and Allied Sciences NU</i> , 0, , .	0.4	3
49	A retrospective study of malignant melanoma from a tertiary care centre in Saudi Arabia from 2004 to 2016. <i>Clinical and Translational Oncology</i> , 2020, 22, 663-669.	2.4	2
50	COVID-19 associated cardiac disease: Is there a role of neutrophil extracellular traps in pathogenesis?. <i>AIMS Molecular Science</i> , 2021, 8, 275-290.	0.5	2
51	Recurrent spontaneous oocyte activation causes female infertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 675.	2.5	2
52	A sperm's tail: the need to consider temporal aspects of specific physiological mechanisms during and following gamete fusion. <i>Human Reproduction</i> , 2012, 27, 625-626.	0.9	1
53	Fertilization and egg activation. , 0, , 98-109.		0
54	3D Models as an Adjunct for Models in Studying Alzheimer’s Disease. <i>Journal of Health and Allied Sciences NU</i> , 0, , .	0.4	0

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55	Kawasaki like disease in SARS-CoV-2 infected children â€“ a key role for neutrophil and macrophage extracellular traps. AIMS Molecular Science, 2021, 8, 174-183.	0.5	0
56	Magnifying human fertility: microscopy and assisted reproductive technology. Infocus Magazine, 2012, , 22-41.	0.1	0
57	Oocyte Activation and Phospholipase C Zeta (PLCÎ¶): Male Infertility and Implications for Therapeutic Intervention. , 2014, , 263-281.		0
58	Antigen unmasking improves visualisation efficacy of phospholipase C zeta (PLCÎ¶) in mammalian sperm to enable diagnostic applicability for evaluating PLCÎ¶-dependent human oocyte activation deficiency. Reproduction Abstracts, 0, , .	0.0	0
59	Renal Stromal Expression of Oestrogen and Progesterone Receptors in Chronic Pyelonephritis as Compared to Normal Kidneys. Journal of the College of Physicians and Surgeons-Pakistan: JCPSP, 2020, 30, 857-862.	0.4	0