

# Kevin N Keane

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

3,646  
citations

236925

25  
h-index

161849

54  
g-index

58  
all docs

58  
docs citations

58  
times ranked

6398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of ROS production and oxidative stress in diabetes. <i>Biochemical Journal</i> , 2016, 473, 4527-4550.	3.7	617
2	Glutamine: Metabolism and Immune Function, Supplementation and Clinical Translation. <i>Nutrients</i> , 2018, 10, 1564.	4.1	616
3	Inflammation and Oxidative Stress: The Molecular Connectivity between Insulin Resistance, Obesity, and Alzheimer's Disease. <i>Mediators of Inflammation</i> , 2015, 2015, 1-17.	3.0	360
4	The Impact of Vitamin D Levels on Inflammatory Status: A Systematic Review of Immune Cell Studies. <i>PLoS ONE</i> , 2015, 10, e0141770.	2.5	279
5	Molecular Events Linking Oxidative Stress and Inflammation to Insulin Resistance and $\beta$ -Cell Dysfunction. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-15.	4.0	261
6	Nutrient regulation of insulin secretion and action. <i>Journal of Endocrinology</i> , 2014, 221, R105-R120.	2.6	170
7	Oxidative stress pathways in pancreatic $\beta$ -cells and insulin-sensitive cells and tissues: importance to cell metabolism, function, and dysfunction. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C420-C433.	4.6	120
8	Mid-luteal serum progesterone concentrations govern implantation rates for cryopreserved embryo transfers conducted under hormone replacement. <i>Reproductive BioMedicine Online</i> , 2015, 31, 180-191.	2.4	111
9	Growth Hormone and Insulin-Like Growth Factor Action in Reproductive Tissues. <i>Frontiers in Endocrinology</i> , 2019, 10, 777.	3.5	96
10	GLP-1 receptor signalling promotes $\beta$ -cell glucose metabolism via mTOR-dependent HIF-1 $\alpha$ activation. <i>Scientific Reports</i> , 2017, 7, 2661.	3.3	72
11	Elevated levels of extracellular heat-shock protein 72 (eHSP72) are positively correlated with insulin resistance <i>in vivo</i> and cause pancreatic $\beta$ -cell dysfunction and death <i>in vitro</i> . <i>Clinical Science</i> , 2014, 126, 739-752.	4.3	66
12	The effect of cigarette smoking, alcohol consumption and fruit and vegetable consumption on IVF outcomes: a review and presentation of original data. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 134.	3.3	61
13	Single-centre retrospective analysis of growth hormone supplementation in IVF patients classified as poor-prognosis. <i>BMJ Open</i> , 2017, 7, e018107.	1.9	47
14	PIVET rFSH dosing algorithms for individualized controlled ovarian stimulation enables optimized pregnancy productivity rates and avoidance of ovarian hyperstimulation syndrome. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 2561-2573.	4.3	46
15	Alanyl-glutamine improves pancreatic $\beta$ -cell function following <i>ex vivo</i> inflammatory challenge. <i>Journal of Endocrinology</i> , 2015, 224, 261-271.	2.6	44
16	The potential regulatory role of vitamin D in the bioenergetics of inflammation. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015, 18, 367-373.	2.5	43
17	The impact of cryopreservation on human peripheral blood leucocyte bioenergetics. <i>Clinical Science</i> , 2015, 128, 723-733.	4.3	40
18	The bioenergetics of inflammation: insights into obesity and type 2 diabetes. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 904-912.	2.9	40

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19	Specific ranges of anti-Mullerian hormone and antral follicle count correlate to provide a prognostic indicator for IVF outcome. <i>Reproductive Biology</i> , 2017, 17, 51-59.	1.9	37
20	Prevailing vitamin D status influences mitochondrial and glycolytic bioenergetics in peripheral blood mononuclear cells obtained from adults. <i>Redox Biology</i> , 2016, 10, 243-250.	9.0	34
21	[Ag <sub>2</sub> (aca) <sub>2</sub> ] <sub>n</sub> and [Ag <sub>4</sub> (aca) <sub>4</sub> (NH <sub>3</sub> ) <sub>2</sub> ] (acaH=9-anthracenecarboxylic acid): Synthesis, X-ray crystal structures, antimicrobial and anti-cancer activities. <i>Inorganic Chemistry Communication</i> , 2007, 10, 1149-1153.	3.9	33
22	Metabolic Regulation of Insulin Secretion. <i>Vitamins and Hormones</i> , 2014, 95, 1-33.	1.7	33
23	The impact of cholecalciferol supplementation on the systemic inflammatory profile: a systematic review and meta-analysis of high-quality randomized controlled trials. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 931-943.	2.9	31
24	Molecular actions of vitamin D in reproductive cell biology. <i>Reproduction</i> , 2017, 153, R29-R42.	2.6	30
25	Winter to summer change in vitamin D status reduces systemic inflammation and bioenergetic activity of human peripheral blood mononuclear cells. <i>Redox Biology</i> , 2017, 12, 814-820.	9.0	28
26	Higher $\beta$ -HCG concentrations and higher birthweights ensue from single vitrified embryo transfers. <i>Reproductive BioMedicine Online</i> , 2016, 33, 149-160.	2.4	26
27	The Concept of Growth Hormone Deficiency Affecting Clinical Prognosis in IVF. <i>Frontiers in Endocrinology</i> , 2019, 10, 650.	3.5	26
28	Vitamin D status and insulin sensitivity are novel predictors of resting metabolic rate: a cross-sectional analysis in Australian adults. <i>European Journal of Nutrition</i> , 2016, 55, 2075-2080.	3.9	24
29	Effects of High-Fat Diet on eHSP72 and Extra-to-Intracellular HSP70 Levels in Mice Submitted to Exercise under Exposure to Fine Particulate Matter. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-13.	2.3	22
30	Neither male age nor semen parameters influence clinical pregnancy or live birth outcomes from IVF. <i>Reproductive Biology</i> , 2018, 18, 324-329.	1.9	20
31	An ICSI rate of 90% minimizes complete failed fertilization and provides satisfactory implantation rates without elevating fetal abnormalities. <i>Reproductive Biology</i> , 2018, 18, 301-311.	1.9	17
32	DHEA Supplementation Confers No Additional Benefit to that of Growth Hormone on Pregnancy and Live Birth Rates in IVF Patients Categorized as Poor Prognosis. <i>Frontiers in Endocrinology</i> , 2018, 9, 14.	3.5	17
33	Nutrient regulation of $\beta$ -cell function: what do islet cell/animal studies tell us?. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 890-895.	2.9	15
34	The Evolving Concept of Poor-Prognosis for Women Undertaking IVF and the Notion of Growth Hormone as an Adjuvant; A Single-Center Viewpoint. <i>Frontiers in Endocrinology</i> , 2019, 10, 808.	3.5	14
35	Pigment epithelium-derived factor (PEDF) regulates metabolism and insulin secretion from a clonal rat pancreatic beta cell line BRIN-BD11 and mouse islets. <i>Molecular and Cellular Endocrinology</i> , 2016, 426, 50-60.	3.2	12
36	Therapeutic approach to target mesothelioma cancer cells using the Wnt antagonist, secreted frizzled-related protein 4: Metabolic state of cancer cells. <i>Experimental Cell Research</i> , 2016, 341, 218-224.	2.6	12

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37	UV Irradiation of Skin Enhances Glycolytic Flux and Reduces Migration Capabilities in Bone Marrow-Differentiated Dendritic Cells. <i>American Journal of Pathology</i> , 2017, 187, 2046-2059.	3.8	12
38	Live birth rates are satisfactory following multiple IVF treatment cycles in poor prognosis patients. <i>Reproductive Biology</i> , 2017, 17, 34-41.	1.9	11
39	The Influence of Breast Tumour-Derived Factors and Wnt Antagonism on the Transformation of Adipose-Derived Mesenchymal Stem Cells into Tumour-Associated Fibroblasts. <i>Cancer Microenvironment</i> , 2018, 11, 71-84.	3.1	11
40	Growth Hormone Adjuvant trial for poor responders undergoing IVF. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019, 236, 249.	1.1	11
41	Are Heat Shock Proteins an Important Link between Type 2 Diabetes and Alzheimer Disease?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8204.	4.1	11
42	Which blastocysts should be considered for genetic screening?. <i>Human Reproduction</i> , 2015, 30, 1743-1744.	0.9	9
43	Finding a place for corifollitropin within the PIVET FSH dosing algorithms. <i>Reproductive BioMedicine Online</i> , 2018, 36, 47-58.	2.4	9
44	Novel dehydroepiandrosterone troche supplementation improves the serum androgen profile of women undergoing in vitro fertilization. <i>Drug Design, Development and Therapy</i> , 2015, 9, 5569.	4.3	8
45	Evaluation of a modified carbon micromesh electrode as a new substrate for electrochemical immunosensing. <i>Analytical Methods</i> , 2011, 3, 799.	2.7	6
46	Forearm to fingertip skin temperature gradients in the thermoneutral zone were significantly related to resting metabolic rate: potential implications for nutrition research. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 1074-1079.	2.9	6
47	Assessing the male in fertility clinics—men undervalued, undermanaged and undertreated. <i>Translational Andrology and Urology</i> , 2017, 6, S624-S628.	1.4	6
48	Reticulon-1 and Reduced Migration toward Chemoattractants by Macrophages Differentiated from the Bone Marrow of Ultraviolet-Irradiated and Ultraviolet-Chimeric Mice. <i>Journal of Immunology</i> , 2018, 200, 260-270.	0.8	6
49	PGE2 pulsing of murine bone marrow cells reduces migration of daughter monocytes/macrophages in vitro and in vivo. <i>Experimental Hematology</i> , 2017, 56, 64-68.	0.4	5
50	Live birth outcomes of vitrified embryos generated under growth hormone stimulation are improved for women categorized as poor-prognosis. <i>Clinical and Experimental Reproductive Medicine</i> , 2019, 46, 178-188.	1.5	5
51	Is 45 years-of-age the cut-off for using autologous oocytes?. <i>Reproductive BioMedicine Online</i> , 2018, 37, 123-125.	2.4	4
52	Serum Vitamin D status is associated with increased blastocyst development rate in women undergoing IVF. <i>Reproductive BioMedicine Online</i> , 2020, 41, 1101-1111.	2.4	3
53	(Dys)Regulation of Insulin Secretion by Macronutrients. , 2015, , 129-156.		1
54	Method Protocols for Metabolic and Functional Analysis of the BRIN-BD11 $\beta$ -Cell Line: A Preclinical Model for Type 2 Diabetes. <i>Methods in Molecular Biology</i> , 2019, 1916, 329-340.	0.9	1

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55	MPA given orally during the first trimester for threatened miscarriage carries no specific risk for foetal abnormalities albeit the rate is higher than non-threatened pregnancies. <i>Reproductive Biology</i> , 2020, 20, 424-432.	1.9	1
56	Response: Risk of non-lethal abnormalities should not prevent pregnancies in women of advanced maternal age. <i>Reproductive BioMedicine Online</i> , 2018, 37, 650.	2.4	0