

# Anthony V Perkins

## List of Publications by Year in descending order

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115  
papers

3,771  
citations

117571

34  
h-index

155592

55  
g-index

119  
all docs

119  
docs citations

119  
times ranked

5281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal diet high in linoleic acid alters offspring fatty acids and cardiovascular function in a rat model. <i>British Journal of Nutrition</i> , 2022, 127, 540-553.	1.2	3
2	A Novel Ferritin-Core Analog Is a Safe and Effective Alternative to Oral Ferrous Iron for Treating Iron Deficiency during Pregnancy in Mice. <i>Journal of Nutrition</i> , 2022, 152, 714-722.	1.3	8
3	The effect of gestational age on mitochondrial properties of the mouse placenta. <i>Reproduction and Fertility</i> , 2022, 3, 19-29.	0.6	3
4	Selenoproteins in the Human Placenta: How Essential Is Selenium to a Healthy Start to Life?. <i>Nutrients</i> , 2022, 14, 628.	1.7	25
5	Selenium Deficiency during Pregnancy in Mice Impairs Exercise Performance and Metabolic Function in Adult Offspring. <i>Nutrients</i> , 2022, 14, 1125.	1.7	4
6	Mesenchymal Stem/Stromal Cells and Their Role in Oxidative Stress Associated with Preeclampsia.. <i>Yale Journal of Biology and Medicine</i> , 2022, 95, 115-127.	0.2	0
7	Elemental Metabolomics for Prediction of Term Gestational Outcomes Utilising 18-Week Maternal Plasma and Urine Samples. <i>Biological Trace Element Research</i> , 2021, 199, 26-40.	1.9	7
8	Effect of Iodine and Selenium on Proliferation, Viability, and Oxidative Stress in HTR-8/SVneo Placental Cells. <i>Biological Trace Element Research</i> , 2021, 199, 1332-1344.	1.9	9
9	Mitochondrial dysfunction in placental trophoblast cells experiencing gestational diabetes mellitus. <i>Journal of Physiology</i> , 2021, 599, 1291-1305.	1.3	30
10	Effect of Selenium and Iodine on Oxidative Stress in the First Trimester Human Placenta Explants. <i>Nutrients</i> , 2021, 13, 800.	1.7	9
11	Maternal and Postnatal High Linoleic Acid Diet Impacts Lipid Metabolism in Adult Rat Offspring in a Sex-Specific Manner. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2946.	1.8	10
12	Maternal selenium deficiency in mice promotes sex-specific changes to urine flow and renal expression of mitochondrial proteins in adult offspring. <i>Physiological Reports</i> , 2021, 9, e14785.	0.7	5
13	Trace Element Analysis in Whole Blood and Plasma for Reference Levels in a Selected Queensland Population, Australia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2652.	1.2	22
14	Temporal changes in blood oxidative stress biomarkers across the menstrual cycle and with oral contraceptive use in active women. <i>European Journal of Applied Physiology</i> , 2021, 121, 2607-2620.	1.2	10
15	Queensland Family Cohort: a study protocol. <i>BMJ Open</i> , 2021, 11, e044463.	0.8	14
16	The Placental Ferroxidase Zyklopen Is Not Essential for Iron Transport to the Fetus in Mice. <i>Journal of Nutrition</i> , 2021, 151, 2541-2550.	1.3	7
17	Sex-Specific Differences in Lysine, 3-Hydroxybutyric Acid and Acetic Acid in Offspring Exposed to Maternal and Postnatal High Linoleic Acid Diet, Independent of Diet. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10223.	1.8	3
18	Circulating trace elements for the prediction of preeclampsia and small for gestational age babies. <i>Metabolomics</i> , 2021, 17, 90.	1.4	10

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19	Analysis of mitochondrial regulatory transcripts in publicly available datasets with validation in placentae from pre-term, post-term and fetal growth restriction pregnancies. <i>Placenta</i> , 2021, 112, 162-171.	0.7	9
20	Low serum selenium in pregnancy is associated with reduced T3 and increased risk of GDM. <i>Journal of Endocrinology</i> , 2021, 248, 45-57.	1.2	12
21	Nutritional properties of selected superfood extracts and their potential health benefits. <i>PeerJ</i> , 2021, 9, e12525.	0.9	12
22	Placental mitochondria and reactive oxygen species in the physiology and pathophysiology of pregnancy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 176-184.	0.9	59
23	Elemental metabolomics in human cord blood: Method validation and trace element quantification. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 59, 126419.	1.5	13
24	Role of omega-6 and omega-3 fatty acids in fetal programming. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 907-915.	0.9	49
25	Maternal High Linoleic Acid Alters Placental Fatty Acid Composition. <i>Nutrients</i> , 2020, 12, 2183.	1.7	18
26	Mitochondrial transformations in the aging human placenta. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E981-E994.	1.8	14
27	Analysis of Selenoprotein Expression in Response to Dietary Selenium Deficiency During Pregnancy Indicates Tissue Specific Differential Expression in Mothers and Sex Specific Changes in the Fetus and Offspring. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2210.	1.8	16
28	Effect of micronutrient supplements on low-risk pregnancies in high-income countries: a systematic quantitative literature review. <i>Public Health Nutrition</i> , 2020, 23, 2434-2444.	1.1	1
29	Use of micronutrient supplements in pregnant women of south-east Queensland. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2020, 60, 561-567.	0.4	4
30	Influence of dietary intake and decision-making during pregnancy on birth outcomes. <i>Nutrition and Dietetics</i> , 2020, 77, 323-330.	0.9	9
31	Maternal Selenium Deficiency in Mice Alters Offspring Glucose Metabolism and Thyroid Status in a Sexually Dimorphic Manner. <i>Nutrients</i> , 2020, 12, 267.	1.7	24
32	Maternal Selenium, Copper and Zinc Concentrations in Early Pregnancy, and the Association with Fertility. <i>Nutrients</i> , 2019, 11, 1609.	1.7	39
33	Maternal selenium deficiency during pregnancy in mice increases thyroid hormone concentrations, alters placental function and reduces fetal growth. <i>Journal of Physiology</i> , 2019, 597, 5597-5617.	1.3	51
34	Essential Mineral Intake During Pregnancy and Its Association With Maternal Health and Birth Outcomes in South East Queensland, Australia. <i>Nutrition and Metabolic Insights</i> , 2019, 12, 117863881987944.	0.8	14
35	Elevated maternal linoleic acid reduces circulating leptin concentrations, cholesterol levels and male fetal survival in a rat model. <i>Journal of Physiology</i> , 2019, 597, 3349-3361.	1.3	19
36	Mitochondrial isolation, cryopreservation and preliminary biochemical characterisation from placental cytotrophoblast and syncytiotrophoblast. <i>Placenta</i> , 2019, 82, 1-4.	0.7	29

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37	Maternal corticosterone in the mouse alters oxidative stress markers, antioxidant function and mitochondrial content in placentas of female fetuses. <i>Journal of Physiology</i> , 2019, 597, 3053-3067.	1.3	18
38	Proteomic Analysis of Placental Mitochondria Following Trophoblast Differentiation. <i>Frontiers in Physiology</i> , 2019, 10, 1536.	1.3	23
39	Design, development, and evaluation of the Maternal Outcomes and Nutrition Tool (MONT). <i>Maternal and Child Nutrition</i> , 2019, 15, e12634.	1.4	4
40	Elemental Metabolomics and Pregnancy Outcomes. <i>Nutrients</i> , 2019, 11, 73.	1.7	38
41	Mechanisms underlying select chemotherapeutic-agent-induced neuroinflammation and subsequent neurodegeneration. <i>European Journal of Pharmacology</i> , 2019, 842, 49-56.	1.7	19
42	Linoleic Acid Increases Prostaglandin E2 Release and Reduces Mitochondrial Respiration and Cell Viability in Human Trophoblast-Like Cells. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 94-108.	1.1	19
43	Placental adaptations to micronutrient dysregulation in the programming of chronic disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 871-884.	0.9	25
44	Pyocyanin induces systemic oxidative stress, inflammation and behavioral changes <i>in vivo</i> . <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 410-414.	1.3	9
45	Peripheral modulation of the endocannabinoid system in metabolic disease. <i>Drug Discovery Today</i> , 2018, 23, 592-604.	3.2	31
46	Comparison in executive function in Chinese preterm and full-term infants at eight months. <i>Frontiers of Medicine</i> , 2018, 12, 164-173.	1.5	4
47	Placental mitochondrial adaptations in preeclampsia associated with progression to term delivery. <i>Cell Death and Disease</i> , 2018, 9, 1150.	2.7	63
48	Review: Placental derived biomarkers of pregnancy disorders. <i>Placenta</i> , 2017, 54, 104-110.	0.7	90
49	Reduced aldehyde dehydrogenase expression in preeclamptic decidual mesenchymal stem/stromal cells is restored by aldehyde dehydrogenase agonists. <i>Scientific Reports</i> , 2017, 7, 42397.	1.6	17
50	Biomarkers of oxidative stress in pregnancy complications. <i>Biomarkers in Medicine</i> , 2017, 11, 295-306.	0.6	54
51	Dexamethasone and sex regulate placental glucocorticoid receptor isoforms in mice. <i>Journal of Endocrinology</i> , 2017, 234, 89-100.	1.2	37
52	Changes in mitochondrial respiration in the human placenta over gestation. <i>Placenta</i> , 2017, 57, 102-112.	0.7	45
53	Review: Effects of maternal micronutrient supplementation on placental function. <i>Placenta</i> , 2017, 54, 38-44.	0.7	27
54	Review: Placental mitochondrial function and structure in gestational disorders. <i>Placenta</i> , 2017, 54, 2-9.	0.7	151

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55	Selective inhibition of endogenous antioxidants with Auranofin causes mitochondrial oxidative stress which can be countered by selenium supplementation. <i>Biochemical Pharmacology</i> , 2017, 146, 42-52.	2.0	37
56	Placental mitochondrial adaption over gestation and in preeclampsia. <i>Placenta</i> , 2017, 57, 241.	0.7	0
57	Maternal glucocorticoid exposure in the mouse alters placental oxidative stress, mitochondrial content and antioxidant capacity in a sexually dimorphic manner. <i>Placenta</i> , 2017, 57, 306-307.	0.7	0
58	Overexpression of Endogenous Anti-Oxidants with Selenium Supplementation Protects Trophoblast Cells from Reactive Oxygen Species-Induced Apoptosis in a Bcl-2-Dependent Manner. <i>Biological Trace Element Research</i> , 2017, 177, 394-403.	1.9	34
59	Dietary Supplement Use during Preconception: The Australian Longitudinal Study on Women's Health. <i>Nutrients</i> , 2017, 9, 1119.	1.7	16
60	Maternal Dietary Nutrient Intake and Its Association with Preterm Birth: A Case-control Study in Beijing, China. <i>Nutrients</i> , 2017, 9, 221.	1.7	18
61	Cellular Effects of Pyocyanin, a Secreted Virulence Factor of <i>Pseudomonas aeruginosa</i> . <i>Toxins</i> , 2016, 8, 236.	1.5	269
62	No effect of modest selenium supplementation on insulin resistance in UK pregnant women, as assessed by plasma adiponectin concentration. <i>British Journal of Nutrition</i> , 2016, 115, 32-38.	1.2	21
63	Genetic polymorphisms that affect selenium status and response to selenium supplementation in United Kingdom pregnant women. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 100-106.	2.2	48
64	First trimester multivitamin/mineral use is associated with reduced risk of preeclampsia among overweight and obese women. <i>Maternal and Child Nutrition</i> , 2016, 12, 339-348.	1.4	27
65	Mesenchymal Stem/Stromal Cells Derived From a Reproductive Tissue Niche Under Oxidative Stress Have High Aldehyde Dehydrogenase Activity. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 285-297.	5.6	41
66	The association between third trimester multivitamin/mineral supplements and gestational length in uncomplicated pregnancies. <i>Women and Birth</i> , 2016, 29, 41-46.	0.9	2
67	Multiple micronutrient supplementation and birth outcomes: The potential importance of selenium. <i>Placenta</i> , 2016, 48, S61-S65.	0.7	19
68	Trophoblast mitochondrial biogenesis and functionality is increased with selenium supplementation. <i>Placenta</i> , 2015, 36, A37-A38.	0.7	0
69	Selenium status in UK pregnant women and its relationship with hypertensive conditions of pregnancy. <i>British Journal of Nutrition</i> , 2015, 113, 249-258.	1.2	70
70	Paradoxical effects of the autophagy inhibitor 3-methyladenine on docetaxel-induced toxicity in PC-3 and LNCaP prostate cancer cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 793-799.	1.4	13
71	Selenium supplementation induces mitochondrial biogenesis in trophoblasts. <i>Placenta</i> , 2015, 36, 863-869.	0.7	41
72	A review of the bioactivity of coffee, caffeine and key coffee constituents on inflammatory responses linked to depression. <i>Food Research International</i> , 2015, 76, 626-636.	2.9	82

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73	Multivitamin supplementation and pregnancy complications and outcomes: An analysis of the environments for healthy living birth cohort.. Placenta, 2015, 36, A60.	0.7	0
74	CHAPTER 32. Selenium, the Placenta and Trophoblast Mitochondrial Oxidative Stress. Food and Nutritional Components in Focus, 2015, , 572-588.	0.1	1
75	Molecular Mechanisms Underlying the Effects of Statins in the Central Nervous System. International Journal of Molecular Sciences, 2014, 15, 20607-20637.	1.8	133
76	ERK1/2 activation modulates pyocyanin-induced toxicity in A549 respiratory epithelial cells. Chemico-Biological Interactions, 2014, 208, 58-63.	1.7	10
77	Alterations in acetylcholine, PGE2 and IL6 release from urothelial cells following treatment with pyocyanin and lipopolysaccharide. Toxicology in Vitro, 2013, 27, 1693-1698.	1.1	25
78	Selenium supplementation protects trophoblast cells from mitochondrial oxidative stress. Placenta, 2013, 34, 594-598.	0.7	55
79	Paradoxical Role of 3-Methyladenine in Pyocyanin-Induced Toxicity in 1321N1 Astrocytoma and SH-SY5Y Neuroblastoma Cells. International Journal of Toxicology, 2013, 32, 209-218.	0.6	15
80	Effects of Pseudomonas Aeruginosa Virulence Factor Pyocyanin on Human Urothelial Cell Function and Viability. Journal of Urology, 2012, 187, 1087-1093.	0.2	30
81	Selenium supplementation protects trophoblast cells from oxidative stress. Placenta, 2012, 33, 1012-1019.	0.7	43
82	Inhibition of autophagy by 3-methyladenine protects 1321N1 astrocytoma cells against pyocyanin- and 1-hydroxyphenazine-induced toxicity. Archives of Toxicology, 2012, 86, 275-284.	1.9	36
83	Placental oxidative stress, selenium and preeclampsia. Pregnancy Hypertension, 2011, 1, 95-99.	0.6	8
84	Selenium and preeclampsia: A global perspective. Pregnancy Hypertension, 2011, 1, 213-224.	0.6	31
85	Pyocyanin-induced toxicity in A549 respiratory cells is causally linked to oxidative stress. Toxicology in Vitro, 2011, 25, 1353-1358.	1.1	50
86	Effect of dietary selenium on the progression of heart failure in the ageing spontaneously hypertensive rat. Molecular Nutrition and Food Research, 2010, 54, 1436-1444.	1.5	33
87	Perioperative metabolic therapy improves redox status and outcomes in cardiac surgery patients: A randomised trial. Heart Lung and Circulation, 2010, 19, 584-591.	0.2	50
88	Selenium Status of the Australian Population: Effect of Age, Gender and Cardiovascular Disease. Biological Trace Element Research, 2008, 126, 1-10.	1.9	60
89	Targeting oxidative stress in surgery: Effects of ageing and therapy. Experimental Gerontology, 2008, 43, 653-657.	1.2	12
90	Myocardial Ischemia-Reperfusion Injury, Antioxidant Enzyme Systems, and Selenium: A Review. Current Medicinal Chemistry, 2007, 14, 1539-1549.	1.2	234

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91	Chronic Hypoxia In Vivo Reduces Placental Oxidative Stress. <i>Placenta</i> , 2007, 28, 846-853.	0.7	38
92	Endogenous anti-oxidants in pregnancy and preeclampsia. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2006, 46, 77-83.	0.4	55
93	Effect of Sodium Selenite-Enriched Reperfusion Solutions on Rat Cardiac Ischemia Reperfusion Injury. <i>Biological Trace Element Research</i> , 2006, 114, 197-206.	1.9	12
94	Chronic Nitric Oxide Synthase Inhibition in Pregnant Rats Does Not Result in Placental Oxidative Stress. <i>Hypertension in Pregnancy</i> , 2006, 25, 103-114.	0.5	8
95	Increased biological oxidation and reduced anti-oxidant enzyme activity in pre-eclamptic placentae. <i>Placenta</i> , 2005, 26, 53-58.	0.7	171
96	Increased anti-oxidant enzyme activity and biological oxidation in placentae of pregnancies complicated by maternal asthma. <i>Placenta</i> , 2005, 26, 773-779.	0.7	31
97	Effects of dietary selenium on post-ischemic expression of antioxidant mRNA. <i>Molecular and Cellular Biochemistry</i> , 2005, 270, 131-138.	1.4	24
98	Selenium deficiency as a model of experimental pre-eclampsia in rats. <i>Reproduction</i> , 2004, 128, 635-641.	1.1	45
99	Selenium supplementation and ischemia-reperfusion injury in rats. <i>Redox Report</i> , 2004, 9, 317-320.	1.4	26
100	AURANOFIN INCREASES APOPTOSIS AND ISCHAEMIA-REPERFUSION INJURY IN THE RAT ISOLATED HEART. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2004, 31, 289-294.	0.9	20
101	Effects of dietary selenium on glutathione peroxidase and thioredoxin reductase activity and recovery from cardiac ischemia-reperfusion. <i>Journal of Trace Elements in Medicine and Biology</i> , 2004, 18, 81-88.	1.5	83
102	The Serum Concentration of Estradiol after Embryo Transfer and the Decline from Preovulatory Levels May Influence the Success of IVF Treatment. <i>Hormone Research in Paediatrics</i> , 2003, 59, 95-99.	0.8	4
103	Processing of Pro-corticotropin-Releasing Hormone (Pro-CRH): Molecular Forms of CRH in Normal and Preeclamptic Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 755-764.	1.8	19
104	Procorticotrophin-releasing hormone: endoproteolytic processing and differential release of its derived peptides within AtT20 cells. <i>Molecular and Cellular Endocrinology</i> , 1998, 142, 191-202.	1.6	19
105	Production and secretion of thioredoxin from transformed human trophoblast cells. <i>Molecular Human Reproduction</i> , 1998, 4, 369-375.	1.3	40
106	Corticotrophin-Releasing Hormone Receptor Type 1: Generation and Characterization of Polyclonal Antipeptide Antibodies and their Localization in Pituitary Cells and Cortical Neurons in vitro. <i>Journal of Neuroendocrinology</i> , 1996, 8, 521-531.	1.2	25
107	Corticotrophin-releasing hormone and corticotrophin-releasing hormone binding protein in normal and pre-eclamptic human pregnancies. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1995, 102, 118-122.	1.1	97
108	Placental corticotrophin-releasing hormone: there by accident or design?. <i>Journal of Endocrinology</i> , 1995, 147, 377-381.	1.2	19

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109	Corticotrophin-releasing hormone (CRH)-binding protein interference with CRH antibody binding: implications for direct CRH immunoassay. <i>Journal of Endocrinology</i> , 1995, 146, 45-53.	1.2	37
110	Corticotrophin-releasing hormone-binding protein in human fetal plasma. <i>Journal of Endocrinology</i> , 1995, 146, 395-401.	1.2	38
111	Immunocytochemical localization of thioredoxin in human trophoblast and decidua. <i>Placenta</i> , 1995, 16, 635-642.	0.7	25
112	Identification and isolation of corticotrophin-releasing hormone-positive cells from the human placenta. <i>Placenta</i> , 1995, 16, 233-243.	0.7	27
113	Plasma measurements of corticotrophin-releasing hormone-binding protein in normal and abnormal human pregnancy. <i>Journal of Endocrinology</i> , 1993, 138, 149-157.	1.2	65
114	Isolation from human placental extracts of a preparation possessing â€˜early pregnancy factorâ€™ activity and identification of the polypeptide components. <i>Human Reproduction</i> , 1991, 6, 450-457.	0.4	19
115	Leukotrienes are active in the rosette inhibition assay mimicking the action of â€˜early pregnancy factorâ€™. <i>Biochemical and Biophysical Research Communications</i> , 1990, 167, 535-542.	1.0	6