

# Peter R Hoffmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8338417/publications.pdf>

Version: 2024-02-01

55  
papers

4,000  
citations

218592

26  
h-index

189801

50  
g-index

58  
all docs

58  
docs citations

58  
times ranked

4659  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Selenium in Inflammation and Immunity: From Molecular Mechanisms to Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 705-743.	2.5	620
2	Selenium, Selenoproteins, and Immunity. <i>Nutrients</i> , 2018, 10, 1203.	1.7	546
3	The influence of selenium on immune responses. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 1273-1280.	1.5	422
4	Selenoprotein Gene Nomenclature. <i>Journal of Biological Chemistry</i> , 2016, 291, 24036-24040.	1.6	207
5	Selenoprotein K Knockout Mice Exhibit Deficient Calcium Flux in Immune Cells and Impaired Immune Responses. <i>Journal of Immunology</i> , 2011, 186, 2127-2137.	0.4	199
6	MsrB1 and MICALs Regulate Actin Assembly and Macrophage Function via Reversible Stereoselective Methionine Oxidation. <i>Molecular Cell</i> , 2013, 51, 397-404.	4.5	196
7	Dietary Selenium Modulates Activation and Differentiation of CD4+ T Cells in Mice through a Mechanism Involving Cellular Free Thiols. <i>Journal of Nutrition</i> , 2010, 140, 1155-1161.	1.3	174
8	The selenoproteome exhibits widely varying, tissue-specific dependence on selenoprotein P for selenium supply. <i>Nucleic Acids Research</i> , 2007, 35, 3963-3973.	6.5	156
9	Stable expression and function of the inositol 1,4,5-triphosphate receptor requires palmitoylation by a DHHC6/selenoprotein K complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16478-16483.	3.3	124
10	Endoplasmic reticulum-resident selenoproteins as regulators of calcium signaling and homeostasis. <i>Cell Calcium</i> , 2018, 70, 76-86.	1.1	113
11	Mechanisms by which selenium influences immune responses. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2007, 55, 289-297.	1.0	110
12	Selenomethionine Mitigates Cognitive Decline by Targeting Both Tau Hyperphosphorylation and Autophagic Clearance in an Alzheimer's Disease Mouse Model. <i>Journal of Neuroscience</i> , 2017, 37, 2449-2462.	1.7	106
13	A Role for Dietary Selenium and Selenoproteins in Allergic Airway Inflammation. <i>Journal of Immunology</i> , 2007, 179, 3258-3267.	0.4	87
14	ORP4L is essential for T-cell acute lymphoblastic leukemia cell survival. <i>Nature Communications</i> , 2016, 7, 12702.	5.8	64
15	Selenoproteins and cardiovascular stress. <i>Thrombosis and Haemostasis</i> , 2015, 113, 494-504.	1.8	58
16	Selenoprotein Synthesis: A Unique Translational Mechanism Used by a Diverse Family of Proteins. <i>Thyroid</i> , 2005, 15, 769-775.	2.4	56
17	Selenoprotein K Is a Novel Target of m-Calpain, and Cleavage Is Regulated by Toll-like Receptor-induced Calpastatin in Macrophages. <i>Journal of Biological Chemistry</i> , 2011, 286, 34830-34838.	1.6	54
18	Selenoprotein K is required for palmitoylation of CD36 in macrophages: implications in foam cell formation and atherogenesis. <i>Journal of Leukocyte Biology</i> , 2013, 93, 771-780.	1.5	50

#	ARTICLE	IF	CITATIONS
19	Selenoprotein K and Protein Palmitoylation. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 854-862.	2.5	49
20	Stimulation of Unprimed Macrophages with Immune Complexes Triggers a Low Output of Nitric Oxide by Calcium-dependent Neuronal Nitric-oxide Synthase. <i>Journal of Biological Chemistry</i> , 2012, 287, 4492-4502.	1.6	48
21	Molecular Mechanisms by Which Selenoprotein K Regulates Immunity and Cancer. <i>Biological Trace Element Research</i> , 2019, 192, 60-68.	1.9	46
22	Specific antioxidant selenoproteins are induced in the heart during hypertrophy. <i>Archives of Biochemistry and Biophysics</i> , 2011, 512, 38-44.	1.4	39
23	Selenoprotein K regulation of palmitoylation and calpain cleavage of ASAP2 is required for efficient FcI <sup>3</sup> R-mediated phagocytosis. <i>Journal of Leukocyte Biology</i> , 2017, 101, 439-448.	1.5	34
24	Selenoproteins as regulators of T cell proliferation, differentiation, and metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2021, 115, 54-61.	2.3	31
25	Selenoprotein K deficiency-induced apoptosis: A role for calpain and the ERS pathway. <i>Redox Biology</i> , 2021, 47, 102154.	3.9	30
26	Calpastatin Prevents NF- $\kappa$ B-Mediated Hyperactivation of Macrophages and Attenuates Colitis. <i>Journal of Immunology</i> , 2013, 191, 3778-3788.	0.4	28
27	Selenomethionine reduces the deposition of beta-amyloid plaques by modulating $\beta$ -secretase and enhancing selenoenzymatic activity in a mouse model of Alzheimer's disease. <i>Metallomics</i> , 2016, 8, 782-789.	1.0	28
28	Development of Optimized, Inhalable, Gemcitabine-Loaded Gelatin Nanocarriers for Lung Cancer. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2017, 30, 299-321.	0.7	28
29	Selenium Restores Synaptic Deficits by Modulating NMDA Receptors and Selenoprotein K in an Alzheimer's Disease Model. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 863-884.	2.5	28
30	Selenoprotein K Increases Efficiency of DHHC6 Catalyzed Protein Palmitoylation by Stabilizing the Acyl-DHHC6 Intermediate. <i>Antioxidants</i> , 2018, 7, 4.	2.2	27
31	Use of a Mouse Model and Human Umbilical Vein Endothelial Cells to Investigate the Effect of Arsenic Exposure on Vascular Endothelial Function and the Associated Role of Calpains. <i>Environmental Health Perspectives</i> , 2019, 127, 77003.	2.8	25
32	Selenoprotein K deficiency inhibits melanoma by reducing calcium flux required for tumor growth and metastasis. <i>Oncotarget</i> , 2018, 9, 13407-13422.	0.8	25
33	Selenoprotein I is essential for murine embryogenesis. <i>Archives of Biochemistry and Biophysics</i> , 2020, 689, 108444.	1.4	21
34	Upregulated ethanolamine phospholipid synthesis via selenoprotein I is required for effective metabolic reprogramming during T cell activation. <i>Molecular Metabolism</i> , 2021, 47, 101170.	3.0	19
35	Methylseleninic Acid Provided at Nutritional Selenium Levels Inhibits Angiogenesis by Down-regulating Integrin $\beta$ 3 Signaling. <i>Scientific Reports</i> , 2017, 7, 9445.	1.6	17
36	Fowlpox-based survivin vaccination for malignant mesothelioma therapy. <i>International Journal of Cancer</i> , 2013, 133, 612-623.	2.3	16

#	ARTICLE	IF	CITATIONS
37	Increasing Dietary Selenium Elevates Reducing Capacity and ERK Activation Associated with Accelerated Progression of Select Mesothelioma Tumors. <i>American Journal of Pathology</i> , 2014, 184, 1041-1049.	1.9	16
38	A new approach for analyzing cellular infiltration during allergic airway inflammation. <i>Journal of Immunological Methods</i> , 2007, 328, 21-33.	0.6	14
39	Preclinical development of Hlvax: Human survivin highly immunogenic vaccines. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 1585-1595.	1.4	14
40	Selenoproteins and Metastasis. <i>Advances in Cancer Research</i> , 2017, 136, 85-108.	1.9	14
41	Roles for Selenoprotein I and Ethanolamine Phospholipid Synthesis in T Cell Activation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11174.	1.8	12
42	West Nile Virus Surveillance: A Simple Method for Verifying the Integrity of RNA in Mosquito (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	10
43	Vaccination with a piggyBac plasmid with transgene integration potential leads to sustained antigen expression and CD8+ T cell responses. <i>Vaccine</i> , 2014, 32, 1670-1677.	1.7	9
44	Calpain-2 Inhibitor Therapy Reduces Murine Colitis and Colitis-associated Cancer. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 2005-2015.	0.9	8
45	Multi-antigen Vaccination With Simultaneous Engagement of the OX40 Receptor Delays Malignant Mesothelioma Growth and Increases Survival in Animal Models. <i>Frontiers in Oncology</i> , 2019, 9, 720.	1.3	7
46	Calpainâ€2 inhibitor treatment preferentially reduces tumor progression for human colon cancer cells expressing highest levels of this enzyme. <i>Cancer Medicine</i> , 2018, 7, 175-183.	1.3	5
47	T-cell activation decreases miRNA-15a/16 levels to promote MEK1â€ERK1/2â€Elk1 signaling and proliferative capacity. <i>Journal of Biological Chemistry</i> , 2022, 298, 101634.	1.6	3
48	Editorial: Selenium and Selenoproteins in Brain Development, Function, and Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 821140.	1.4	3
49	Selenoprotein K and Protein Palmitoylation in Regulating Immune Cell Functions. , 2016, , 245-252.		1
50	Arsenic retention in erythrocytes and excessive erythrophagocytosis is related to low selenium status by impaired redox homeostasis. <i>Redox Biology</i> , 2022, 52, 102321.	3.9	1
51	Functional cleavage of selenoprotein K is regulated by calpain/calpastation system in tollâ€like receptor activated macrophages. <i>FASEB Journal</i> , 2012, 26, 823.25.	0.2	0
52	Construction of a tagged truncated Selenoprotein K to determine function. <i>FASEB Journal</i> , 2013, 27, 707.10.	0.2	0
53	Selenium as a regulator of immune and inflammatory responses. , 2015, , 67-68.		0
54	Medical school hotline: The educational mission of the cell and molecular biology department and program at the John A. Burns School of Medicine. <i>Hawai'i Journal of Medicine &amp; Public Health: A Journal of Asia Pacific Medicine &amp; Public Health</i> , 2014, 73, 362-4.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Medical school hotline: the research mission of the cell and molecular biology department and program at the john a. Burns school of medicine. Hawai'i Journal of Medicine & Public Health: A Journal of Asia Pacific Medicine & Public Health, 2015, 74, 150-3.	0.4	0