Nikolaos Patsoukis

List of Publications by Year
in descending order

71 papers	3,745 citations	201575 27 h-index	149623 56 g-index
74 all docs	74 docs citations	74 times ranked	5886 citing authors

#	Article	IF	Citations
1	PD-1 alters T-cell metabolic reprogramming by inhibiting glycolysis and promoting lipolysis and fatty acid oxidation. Nature Communications, 2015, 6, 6692.	5.8	834
2	Selective Effects of PD-1 on Akt and Ras Pathways Regulate Molecular Components of the Cell Cycle and Inhibit T Cell Proliferation. Science Signaling, 2012, 5, ra46.	1.6	411
3	Targeted deletion of PD-1 in myeloid cells induces antitumor immunity. Science Immunology, 2020, 5, .	5.6	287
4	Revisiting the PD-1 pathway. Science Advances, 2020, 6, .	4.7	277
5	Sclerotial metamorphosis in filamentous fungi is induced by oxidative stress. Integrative and Comparative Biology, 2006, 46, 691-712.	0.9	177
6	Thiol redox state (TRS) and oxidative stress in the mouse hippocampus after pentylenetetrazol-induced epileptic seizure. Neuroscience Letters, 2004, 357, 83-86.	1.0	172
7	PD-1 Increases PTEN Phosphatase Activity While Decreasing PTEN Protein Stability by Inhibiting Casein Kinase 2. Molecular and Cellular Biology, 2013, 33, 3091-3098.	1.1	152
8	Targeting T Cell Metabolism for Improvement of Cancer Immunotherapy. Frontiers in Oncology, 2018, 8, 237.	1.3	123
9	PD-1 inhibits T cell proliferation by upregulating p27 and p15 and suppressing Cdc25A. Cell Cycle, 2012, 11, 4305-4309.	1.3	103
10	A secreted PD-L1 splice variant that covalently dimerizes and mediates immunosuppression. Cancer Immunology, Immunotherapy, 2019, 68, 421-432.	2.0	93
11	Interaction of SHP-2 SH2 domains with PD-1 ITSM induces PD-1 dimerization and SHP-2 activation. Communications Biology, 2020, 3, 128.	2.0	91
12	Determination of the thiol redox state of organisms: new oxidative stress indicators. Analytical and Bioanalytical Chemistry, 2004, 378, 1783-1792.	1.9	72
13	Clinical significance of T cell metabolic reprogramming in cancer. Clinical and Translational Medicine, 2016, 5, 29.	1.7	69
14	An ultrasensitive fluorescent assay for the in vivo quantification of superoxide radical in organisms. Analytical Biochemistry, 2005, 347, 144-151.	1.1	66
15	Rap1-interacting adapter molecule (RIAM) associates with the plasma membrane via a proximity detector. Journal of Cell Biology, 2012, 199, 317-329.	2.3	54
16	The fluorescence detection of superoxide radical using hydroethidine could be complicated by the presence of heme proteins. Analytical Biochemistry, 2004, 332, 290-298.	1.1	52
17	Effect of pentylenetetrazol-induced epileptic seizure on thiol redox state in the mouse cerebral cortex. Epilepsy Research, 2004, 62, 65-74.	0.8	50
18	Interference of non-specific peroxidases in the fluorescence detection of superoxide radical by hydroethidine oxidation: a new assay for H2O2. Analytical and Bioanalytical Chemistry, 2005, 381, 1065-1072.	1.9	47

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19	Immunometabolic Regulations Mediated by Coinhibitory Receptors and Their Impact on T Cell Immune Responses. Frontiers in Immunology, 2017, 8, 330.	2.2	44
20	The adaptor molecule RIAM integrates signaling events critical for integrin-mediated control of immune function and cancer progression. Science Signaling, 2017, 10, .	1.6	39
21	Effect of N-acetylcysteine, allopurinol and vitamin E on jaundice-induced brain oxidative stress in rats. Brain Research, 2006, 1111, 203-212.	1.1	38
22	Runx1 and Runx3 Are Involved in the Generation and Function of Highly Suppressive IL-17-Producing T Regulatory Cells. PLoS ONE, 2012, 7, e45115.	1.1	37
23	Thiol Redox State and Lipid and Protein Oxidation in the Mouse Striatum after Pentylenetetrazol-induced Epileptic Seizure. Epilepsia, 2005, 46, 1205-1211.	2.6	36
24	Oxidative state in intestine and liver after partial hepatectomy in rats. Effect of bombesin and neurotensin. Clinical Biochemistry, 2004, 37, 350-356.	0.8	33
25	Fluorometric determination of thiol redox state. Analytical and Bioanalytical Chemistry, 2005, 383, 923-929.	1.9	33
26	Brain Oxidative Stress Induced by Obstructive Jaundice in Rats. Journal of Neuropathology and Experimental Neurology, 2006, 65, 193-198.	0.9	30
27	RIAM Regulates the Cytoskeletal Distribution and Activation of PLC-Î³1 in T Cells. Science Signaling, 2009, 2, ra79.	1.6	29
28	The role of metabolic reprogramming in T cell fate and function. Current Trends in Immunology, 2016, 17, 1-12.	4.0	29
29	Effect of glutathione biosynthesis-related modulators on the thiol redox state enzymes and on sclerotial differentiation of filamentous phytopathogenic fungi. Mycopathologia, 2007, 163, 335-347.	1.3	22
30	The PDâ€1 Interactome. Advanced Biology, 2021, 5, e2100758.	1.4	21
31	Phosphorylation of PD-1-Y248 is a marker of PD-1-mediated inhibitory function in human T cells. Scientific Reports, 2019, 9, 17252.	1.6	20
32	Thiol redox state and oxidative stress in midbrain and striatum of weaver mutant mice, a genetic model of nigrostriatal dopamine deficiency. Neuroscience Letters, 2005, 376, 24-28.	1.0	19
33	Effect of thiol redox state modulators on oxidative stress and sclerotial differentiation of the phytopathogenic fungus Rhizoctonia solani. Archives of Microbiology, 2007, 188, 225-233.	1.0	18
34	Assay for the quantification of small-sized fragmented genomic DNA. Analytical Biochemistry, 2005, 339, 223-230.	1.1	17
35	Effect of Antioxidant Treatments on the Gutâ€"Liver Axis Oxidative Status and Function in Bile Ductâ€Ligated Rats. World Journal of Surgery, 2007, 31, 2023-2032.	0.8	17
36	Effect of sulfiteâ€"hydrosulfite and nitrite on thiol redox state, oxidative stress and sclerotial differentiation of filamentous phytopathogenic fungi. Pesticide Biochemistry and Physiology, 2007, 88, 226-235.	1.6	16

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37	T Cell Metabolism in Cancer Immunotherapy. Immunometabolism, 2020, 2, .	0.7	16
38	Translational Fidelity Mutations in 18S rRNA Affect the Catalytic Activity of Ribosomes and the Oxidative Balance of Yeast Cells. Biochemistry, 2006, 45, 3525-3533.	1.2	14
39	Thiol redox state and related enzymes in sclerotium-forming filamentous phytopathogenic fungi. Mycological Research, 2008, 112, 602-610.	2.5	14
40	The cyclin dependent kinase inhibitor (R)-roscovitine mediates selective suppression of alloreactive human T cells but preserves pathogen-specific and leukemia-specific effectors. Clinical Immunology, 2014, 152, 48-57.	1.4	13
41	Differentiation of Sclerotinia minor depends on thiol redox state and oxidative stress. Canadian Journal of Microbiology, 2008, 54, 28-36.	0.8	11
42	Distinct Roles Of PD-1 Itsm and ITIM In Regulating Interactions With SHP-2, ZAP-70 and Lck, and PD-1-Mediated Inhibitory Function. Blood, 2013, 122, 191-191.	0.6	10
43	Effects of PD-1 Signaling on Immunometabolic Reprogramming. Immunometabolism, 2022, 4, .	0.7	10
44	Phosphorylation of Tyrosine 340 in the Plekstrin Homology Domain of RIAM Is Required for Translocation of RIAM to the Plasma Membrane, Phosphorylation of RIAM-Associated PLC-g1 and LFA-1 Activation. Blood, 2014, 124, 2743-2743.	0.6	5
45	Structural, biochemical, and functional properties of the Rap1-Interacting Adaptor Molecule (RIAM). Biomedical Journal, 2021, , .	1.4	3
46	PD-1 Inhibits TCR Proximal Signaling By Sequestering SHP-2 Phosphatase and Facilitating Csk-Mediated Inhibitory Phosphorylation of Lck. Blood, 2015, 126, 283-283.	0.6	3
47	Treatment with Exogenously Added Catalase Alters CD8 T Cell Memory Differentiation and Function. Advanced Biology, 2023, 7, e2101320.	1.4	3
48	Inhibition of Cdk2 Inactivates EZH2 and Induces Epigenetic Regulation of Fopx3 Leading to the Generation of CD8+ Treg and Protection from GvHD. Biology of Blood and Marrow Transplantation, 2014, 20, S53.	2.0	2
49	Feeling stressed? It might be your T cells. Nature Immunology, 2017, 18, 1281-1283.	7.0	2
50	Unraveling Key Players of Humoral Immunity: Advanced and Optimized Lymphocyte Isolation Protocol from Murine Peyer's Patches. Journal of Visualized Experiments, 2018, , .	0.2	2
51	Metabolic Reprogramming of Myeloid Cells in Response to Factors of "Emergency" Myelopoiesis By Myeloid-Specific PD-1 Ablation, Regulates Myeloid Lineage Fate Commitment and Anti-Tumor Immunity. Blood, 2018, 132, 14-14.	0.6	2
52	The Role of Thiols on Sclerotial Differentiation of Filamentous Phytopathogenic Fungi. The Open Mycology Journal, 2008, 2, 1-8.	0.8	2
53	Interaction of Both SH2 Domains of SHP-2 with a PD-1 Homodimer Is Required for PD-1-Mediated Inhibition of T Cell Responses. Blood, 2016, 128, 859-859.	0.6	1
54	PD-1 Couples Glucose Starvation with Autophagy and Survival Through AMPK-Mediated Phosphorylation of Ulk1. Blood, 2012, 120, 836-836.	0.6	1

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55	The Rap1-RIAM Pathway Regulates the Expression of Integrins Î±EÎ²7(CD103) and Î±4Î²7, Which Guide T Cell Homing to Intestinal Compartments. Blood, 2018, 132, 864-864.	0.6	1
56	PparÎ± Ablation Suppresses T Cell Responses and Anti-Tumor Immunity By Compromising the Antigen-Presenting Properties of Tumor-Associated Macrophages. Blood, 2021, 138, 438-438.	0.6	1
57	The PDâ€1 Interactome (Adv. Biology 9/2021). Advanced Biology, 2021, 5, 2170093.	1.4	0
58	RIAM Regulate Spatio-Temporal Distribution of PLC-Î³1 and Calcium Mobilization during T Cell Activation. Blood, 2008, 112, 673-673.	0.6	0
59	RIAM and RapL Regulate Distinct Signaling Events and Functional Outcomes Upon TCR-Mediated Activation.. Blood, 2009, 114, 3683-3683.	0.6	0
60	Rap1-GTP Augments Activation of Smad and p38 Mediated Signaling Downstream of TGF-Î² Receptor In T Lymphocytes. Blood, 2010, 116, 956-956.	0.6	0
61	PD-1 Signals Inhibit Cell Cycle Progression by Mediating Upregulation of Both KIP and INK Family of Cdk Inhibitors. Blood, 2010, 116, 585-585.	0.6	0
62	RIAM and RapL, Two Structurally Divergent Rap1 Effectors, Have Distinct Signaling and Functional Roles in TCR-Mediated Activation. Blood, 2011, 118, 1118-1118.	0.6	0
63	PD-1 Decreases PTEN Protein Stability While Increasing PTEN Phosphatase Activity by Inhibiting CK2.. Blood, 2012, 120, 2145-2145.	0.6	0
64	Phosphorylation of Tyrosine 340 in the Pleckstrin Homology Domain of RIAM Is Required for Inside-Out Activation of LFA-1 and LFA-1: ICAM-1-Mediated Adhesion. Blood, 2012, 120, 837-837.	0.6	0
65	Inhibition Of Cdk2 Promotes The Generation Of Inducible CD8+ T Regulatory Cells By Modulating The Epigenetic Regulator EZH2. Blood, 2013, 122, 138-138.	0.6	0
66	RIAM Interacts with the Hematopoietic-Specific Adaptor Protein Gads and Forms a LAT-Independent Node of Signal Integration That Regulates Activation of PLC-Î³1. Blood, 2014, 124, 4138-4138.	0.6	0
67	Rap1-GTP Augments TGF-b-Mediated Signaling in T Lymphocytes Via a Mechanism Dependent on the b Chain of LFA-1 Integrin. Blood, 2015, 126, 3422-3422.	0.6	0
68	RIAM (Rap1-Interactive Adaptor Molecule). , 2016, , 1-10.		0
69	Prostaglandin E2 Alters the Differentiation and Function of Antigen-Specific T Cells By Targeting the Metabolic Gene Regulatory Network Downstream of mTORC1. Blood, 2016, 128, 552-552.	0.6	0
70	The Two SH2 Domains of SHP-2 Bridge Two PD-1 Molecules Resulting in SHP-2 Activation and PD-1-Mediated Inhibition. Blood, 2018, 132, 862-862.	0.6	0
71	Myeloid-Specific SHP-2 Ablation Induces Robust Anti-Tumor Immunity That Is Not Further Enhanced By PD-1 Blockade. Blood, 2020, 136, 25-26.	0.6	0