

Kathrin Renner

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

5,928
citations

172457

29
h-index

175258

52
g-index

53
all docs

53
docs citations

53
times ranked

9423
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibitory effect of tumor cell-derived lactic acid on human T cells. <i>Blood</i> , 2007, 109, 3812-3819.	1.4	1,361
2	LDHA-Associated Lactic Acid Production Blunts Tumor Immunosurveillance by T and NK Cells. <i>Cell Metabolism</i> , 2016, 24, 657-671.	16.2	1,126
3	Lactic Acid and Acidification Inhibit TNF Secretion and Glycolysis of Human Monocytes. <i>Journal of Immunology</i> , 2010, 184, 1200-1209.	0.8	325
4	Metabolic Hallmarks of Tumor and Immune Cells in the Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2017, 8, 248.	4.8	274
5	Tumor immunoevasion via acidosis-dependent induction of regulatory tumor-associated macrophages. <i>Nature Immunology</i> , 2018, 19, 1319-1329.	14.5	274
6	Senescence-associated changes in respiration and oxidative phosphorylation in primary human fibroblasts. <i>Biochemical Journal</i> , 2004, 380, 919-928.	3.7	214
7	Restricting Glycolysis Preserves T Cell Effector Functions and Augments Checkpoint Therapy. <i>Cell Reports</i> , 2019, 29, 135-150.e9.	6.4	189
8	Double genetic disruption of lactate dehydrogenases A and B is required to ablate the "Warburg effect"-restricting tumor growth to oxidative metabolism. <i>Journal of Biological Chemistry</i> , 2018, 293, 15947-15961.	3.4	160
9	Transcription and enhancer profiling in human monocyte subsets. <i>Blood</i> , 2014, 123, e90-e99.	1.4	157
10	Training intensity modulates changes in PGC-1 α and p53 protein content and mitochondrial respiration, but not markers of mitochondrial content in human skeletal muscle. <i>FASEB Journal</i> , 2016, 30, 959-970.	0.5	153
11	Mitochondrial Dysfunction—A Pharmacological Target in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2012, 46, 136-150.	4.0	115
12	Cancer cell line identification by short tandem repeat profiling: power and limitations. <i>FASEB Journal</i> , 2005, 19, 1-18.	0.5	112
13	Changes of mitochondrial respiration, mitochondrial content and cell size after induction of apoptosis in leukemia cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003, 1642, 115-123.	4.1	101
14	Mistargeting of Peroxisomal EHHADH and Inherited Renal Fanconi's Syndrome. <i>New England Journal of Medicine</i> , 2014, 370, 129-138.	27.0	99
15	D-2-hydroxyglutarate interferes with HIF-1 α stability skewing T-cell metabolism towards oxidative phosphorylation and impairing Th17 polarization. <i>Onc Immunology</i> , 2018, 7, e1445454.	4.6	97
16	Mitochondrial adaptations to high-volume exercise training are rapidly reversed after a reduction in training volume in human skeletal muscle. <i>FASEB Journal</i> , 2016, 30, 3413-3423.	0.5	95
17	New Aspects of an Old Drug " Diclofenac Targets MYC and Glucose Metabolism in Tumor Cells. <i>PLoS ONE</i> , 2013, 8, e66987.	2.5	86
18	Metabolic plasticity of human T cells: Preserved cytokine production under glucose deprivation or mitochondrial restriction, but 2-deoxyglucose affects effector functions. <i>European Journal of Immunology</i> , 2015, 45, 2504-2516.	2.9	75

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19	Immunologic and metabolic characteristics of HPV-negative and HPV-positive head and neck squamous cell carcinomas are strikingly different. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014, 465, 299-312.	2.8	74
20	The immunological Warburg effect: Can a metabolicâ€tumorâ€stroma score (MeTS) guide cancer immunotherapy?. <i>Immunological Reviews</i> , 2020, 295, 187-202.	6.0	71
21	Glucocorticoid-induced apoptosis and glucocorticoid resistance in acute lymphoblastic leukemia. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 93, 153-160.	2.5	63
22	Sprint-interval but not continuous exercise increases PGC-1 β protein content and p53 phosphorylation in nuclear fractions of human skeletal muscle. <i>Scientific Reports</i> , 2017, 7, 44227.	3.3	57
23	Stattic and metformin inhibit brain tumor initiating cells by reducing STAT3-phosphorylation. <i>Oncotarget</i> , 2017, 8, 8250-8263.	1.8	57
24	Targeting tumor-associated acidity in cancer immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 1331-1348.	4.2	55
25	Glycine Amidinotransferase (GATM), Renal Fanconi Syndrome, and Kidney Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1849-1858.	6.1	53
26	Preserved Coupling of Oxidative Phosphorylation But Decreased Mitochondrial Respiratory Capacity in IL-1 β -Treated Human Peritoneal Mesothelial Cells. <i>Cell Biochemistry and Biophysics</i> , 2006, 44, 179-186.	1.8	46
27	Dimebon Ameliorates Amyloid- β Induced Impairments of Mitochondrial Form and Function. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 21-32.	2.6	42
28	Metformin inhibits proliferation and migration of glioblastoma cells independently of TGF- β 2. <i>Cell Cycle</i> , 2016, 15, 1755-1766.	2.6	39
29	Metabolic targeting synergizes with MAPK inhibition and delays drug resistance in melanoma. <i>Cancer Letters</i> , 2019, 442, 453-463.	7.2	33
30	Renal Fanconi Syndrome Is Caused by a Mistargeting-Based Mitochondriopathy. <i>Cell Reports</i> , 2016, 15, 1423-1429.	6.4	27
31	Combined Modulation of Tumor Metabolism by Metformin and Diclofenac in Glioma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2586.	4.1	23
32	Biphasic oxygen kinetics of cellular respiration and linear oxygen dependence of antimycin A inhibited oxygen consumption. <i>Molecular Biology Reports</i> , 2002, 29, 83-87.	2.3	22
33	Topical Diclofenac Reprograms Metabolism and Immune Cell Infiltration in Actinic Keratosis. <i>Frontiers in Oncology</i> , 2019, 9, 605.	2.8	20
34	Kynurenine induces T cell fat catabolism and has limited suppressive effects in vivo. <i>EBioMedicine</i> , 2021, 74, 103734.	6.1	20
35	Low doses of 2-deoxy-glucose sensitize acute lymphoblastic leukemia cells to glucocorticoid-induced apoptosis. <i>Leukemia</i> , 2009, 23, 2167-2170.	7.2	19
36	Indoxyl 3-sulfate inhibits maturation and activation of human monocyte-derived dendritic cells. <i>Immunobiology</i> , 2018, 223, 239-245.	1.9	19

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37	Targeting Cancer Metabolism Breaks Radioresistance by Impairing the Stress Response. <i>Cancers</i> , 2021, 13, 3762.	3.7	17
38	Mitochondrial function in glucocorticoid triggered T-ALL cells with transgenic bcl-2 expression. <i>Molecular Biology Reports</i> , 2002, 29, 97-101.	2.3	16
39	D-2-Hydroxyglutarate and L-2-Hydroxyglutarate Inhibit IL-12 Secretion by Human Monocyte-Derived Dendritic Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 742.	4.1	16
40	Optimized Protocol for the In Situ Derivatization of Glutathione with N-Ethylmaleimide in Cultured Cells and the Simultaneous Determination of Glutathione/Glutathione Disulfide Ratio by HPLC-UV-QTOF-MS. <i>Metabolites</i> , 2020, 10, 292.	2.9	15
41	Antithymocyte Globulin Induces a Tolerogenic Phenotype in Human Dendritic Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2081.	4.1	14
42	Response of human peritoneal mesothelial cells to inflammatory injury is regulated by interleukin-1b and tumor necrosis factor- α . <i>Wound Repair and Regeneration</i> , 2006, 14, 187-194.	3.0	13
43	Combined Metabolic Targeting With Metformin and the NSAIDs Diflunisal and Diclofenac Induces Apoptosis in Acute Myeloid Leukemia Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 1258.	3.5	13
44	LDHB Overexpression Can Partially Overcome T Cell Inhibition by Lactic Acid. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5970.	4.1	13
45	Metabolic profiles of regulatory T cells in the tumour microenvironment. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 2417-2427.	4.2	12
46	Glucocorticoid-induced alterations in mitochondrial membrane properties and respiration in childhood acute lymphoblastic leukemia. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 719-725.	1.0	11
47	Heat-Inactivation of Human Serum Destroys C1 Inhibitor, Pro-motes Immune Complex Formation, and Improves Human T Cell Function. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2646.	4.1	11
48	1,25-dihydroxyvitamin-D3 but not the clinically applied marker 25-hydroxyvitamin-D3 predicts survival after stem cell transplantation. <i>Bone Marrow Transplantation</i> , 2021, 56, 419-433.	2.4	8
49	The predictive power of CD3+ T cell infiltration of oral squamous cell tumors is limited to non-diabetic patients. <i>Cancer Letters</i> , 2021, 499, 209-219.	7.2	6
50	Acidic Microenvironments Found in Cutaneous Leishmania Lesions Curtail NO-Dependent Antiparasitic Macrophage Activity. <i>Frontiers in Immunology</i> , 2022, 13, 789366.	4.8	4
51	Anti-Thymocyte Globulin Treatment Augments 1,25-Dihydroxyvitamin D3 Serum Levels in Patients Undergoing Hematopoietic Stem Cell Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 803726.	4.8	3
52	Immunometabolic Markers in a Small Patient Cohort Undergoing Immunotherapy. <i>Biomolecules</i> , 2022, 12, 716.	4.0	2