

# MarÃ-a Mittelbrunn

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

13,886  
citations

71004

43  
h-index

139680

61  
g-index

68  
all docs

68  
docs citations

68  
times ranked

21952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nicotinamide adenine dinucleotide metabolism in the immune response, autoimmunity and inflammaging. <i>British Journal of Pharmacology</i> , 2022, 179, 1839-1856.	2.7	26
2	The role of T cells in age-related diseases. <i>Nature Reviews Immunology</i> , 2022, 22, 97-111.	10.6	80
3	Metabolic Profile of Adaptive Immune Cells. , 2022, , 115-132.		0
4	Galectin-1 prevents pathological vascular remodeling in atherosclerosis and abdominal aortic aneurysm. <i>Science Advances</i> , 2022, 8, eabm7322.	4.7	18
5	Rewiring Vascular Metabolism Prevents Sudden Death due to Aortic Rupturesâ€”Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 462-469.	1.1	8
6	Mitochondrial dysfunction defines T cell exhaustion. <i>Cell Metabolism</i> , 2021, 33, 470-472.	7.2	14
7	Hallmarks of T cell aging. <i>Nature Immunology</i> , 2021, 22, 687-698.	7.0	217
8	Extracellular Tuning of Mitochondrial Respiration Leads to Aortic Aneurysm. <i>Circulation</i> , 2021, 143, 2091-2109.	1.6	54
9	TFAM-deficient mouse skin fibroblasts â€” an ex vivo model of mitochondrial dysfunction. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	3
10	Control of Inflammation by Calorie Restriction Mimetics: On the Crossroad of Autophagy and Mitochondria. <i>Cells</i> , 2020, 9, 82.	1.8	62
11	T cells with dysfunctional mitochondria induce multimorbidity and premature senescence. <i>Science</i> , 2020, 368, 1371-1376.	6.0	286
12	Glycolysis â€” a key player in the inflammatory response. <i>FEBS Journal</i> , 2020, 287, 3350-3369.	2.2	250
13	578 Immunometabolic imbalance fosters skin ageing. <i>Journal of Investigative Dermatology</i> , 2019, 139, S314.	0.3	0
14	The Role of Extracellular Vesicles in Cutaneous Remodeling and Hair Follicle Dynamics. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2758.	1.8	48
15	Mitochondrial activity in T cells. <i>Mitochondrion</i> , 2018, 41, 51-57.	1.6	107
16	The microRNA-29/PGC1Î± regulatory axis is critical for metabolic control of cardiac function. <i>PLoS Biology</i> , 2018, 16, e2006247.	2.6	42
17	Priming of dendritic cells by DNA-containing extracellular vesicles from activated T cells through antigen-driven contacts. <i>Nature Communications</i> , 2018, 9, 2658.	5.8	242
18	Integrin Alpha 4 (Itga 4). , 2018, , 2630-2634.		0

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19	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA – an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1286095.	5.5	561
20	miRNA profiling during antigen-dependent T cell activation: A role for miR-132-3p. <i>Scientific Reports</i> , 2017, 7, 3508.	1.6	21
21	3â€² Uridylation controls mature microRNA turnover during CD4 T-cell activation. <i>Rna</i> , 2017, 23, 882-891.	1.6	47
22	Role of exosomes in the protection of cellular homeostasis. <i>Cell Adhesion and Migration</i> , 2017, 11, 127-134.	1.1	134
23	Interorganelle Communication between Mitochondria and the Endolysosomal System. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 95.	1.8	88
24	Exosomes in the Preservation of Cellular Homeostasis. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 17-45.	0.4	0
25	ISGylation controls exosome secretion by promoting lysosomal degradation of MVB proteins. <i>Nature Communications</i> , 2016, 7, 13588.	5.8	334
26	Loss of the proteostasis factor AIRAPL causes myeloid transformation by deregulating IGF-1 signaling. <i>Nature Medicine</i> , 2016, 22, 91-96.	15.2	37
27	Biological properties of extracellular vesicles and their physiological functions. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27066.	5.5	3,973
28	Editorial: Novel Clinical Applications of Extracellular Vesicles. <i>Frontiers in Immunology</i> , 2015, 6, 381.	2.2	9
29	Organizing Polarized Delivery of Exosomes at Synapses. <i>Traffic</i> , 2015, 16, 327-337.	1.3	64
30	Exosome secretion by eosinophils: A possible role in asthma pathogenesis. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 1603-1613.	1.5	99
31	Mitochondrial Respiration Controls Lysosomal Function during Inflammatory T Cell Responses. <i>Cell Metabolism</i> , 2015, 22, 485-498.	7.2	239
32	Exosomes and Autophagy: Coordinated Mechanisms for the Maintenance of Cellular Fitness. <i>Frontiers in Immunology</i> , 2014, 5, 403.	2.2	350
33	Sorting it out: Regulation of exosome loading. <i>Seminars in Cancer Biology</i> , 2014, 28, 3-13.	4.3	592
34	ROS-Triggered Phosphorylation of Complex II by Fgr Kinase Regulates Cellular Adaptation to Fuel Use. <i>Cell Metabolism</i> , 2014, 19, 1020-1033.	7.2	101
35	Sumoylated hnRNPA2B1 controls the sorting of miRNAs into exosomes through binding to specific motifs. <i>Nature Communications</i> , 2013, 4, 2980.	5.8	1,522
36	Transfer of extracellular vesicles during immune cell-cell interactions. <i>Immunological Reviews</i> , 2013, 251, 125-142.	2.8	271

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37	Analysis of MicroRNA and Protein Transfer by Exosomes During an Immune Synapse. <i>Methods in Molecular Biology</i> , 2013, 1024, 41-51.	0.4	51
38	First Symposium of "Grupo Español de Investigación en Vesículas Extracelulares (GEIVEX)", Segovia, 8-9 November 2012. <i>Journal of Extracellular Vesicles</i> , 2013, 2, 20256.	5.5	1
39	Association of syntenin-1 with M-RIP polarizes Rac-1 activation during chemotaxis and immune interactions. <i>Journal of Cell Science</i> , 2012, 125, 1235-1246.	1.2	33
40	Intercellular communication: diverse structures for exchange of genetic information. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 328-335.	16.1	551
41	Unidirectional transfer of microRNA-loaded exosomes from T cells to antigen-presenting cells. <i>Nature Communications</i> , 2011, 2, 282.	5.8	1,525
42	Endosomal clathrin drives actin accumulation at the immunological synapse. <i>Journal of Cell Science</i> , 2011, 124, 820-830.	1.2	80
43	F-actin-binding protein drebrin regulates CXCR4 recruitment to the immune synapse. <i>Journal of Cell Science</i> , 2010, 123, 1160-1170.	1.2	54
44	Identification of Genes Responsive to Solar Simulated UV Radiation in Human Monocyte-Derived Dendritic Cells. <i>PLoS ONE</i> , 2009, 4, e6735.	1.1	17
45	Imaging of plasmacytoid dendritic cell interactions with T cells. <i>Blood</i> , 2009, 113, 75-84.	0.6	45
46	Activation Outcomes Induced in Naïve CD8 T-Cells by Macrophages Primed via "Phagocytic" and Nonphagocytic Pathways. <i>Molecular Biology of the Cell</i> , 2008, 19, 701-710.	0.9	23
47	Antigen-induced clustering of surface CD38 and recruitment of intracellular CD38 to the immunologic synapse. <i>Blood</i> , 2008, 111, 3653-3664.	0.6	74
48	MTOC translocation modulates IS formation and controls sustained T cell signaling. <i>Journal of Cell Biology</i> , 2008, 182, 951-962.	2.3	165
49	Basal shuttle of NF- $\kappa$ B/I $\kappa$ B $\beta$ in resting T lymphocytes regulates HIV-1 LTR dependent expression. <i>Retrovirology</i> , 2007, 4, 56.	0.9	34
50	Functional insights on the polarized redistribution of leukocyte integrins and their ligands during leukocyte migration and immune interactions. <i>Immunological Reviews</i> , 2007, 218, 147-164.	2.8	98
51	Lymphocyte Chemotaxis Is Regulated by Histone Deacetylase 6, Independently of Its Deacetylase Activity. <i>Molecular Biology of the Cell</i> , 2006, 17, 3435-3445.	0.9	79
52	Therapeutic anti-integrin (alpha4 and alphaL) monoclonal antibodies: two-edged swords?. <i>Immunology</i> , 2005, 116, 289-296.	2.0	54
53	Solar-Simulated Ultraviolet Radiation Induces Abnormal Maturation and Defective Chemotaxis of Dendritic Cells. <i>Journal of Investigative Dermatology</i> , 2005, 125, 334-342.	0.3	29
54	Synaptic Clusters of MHC Class II Molecules Induced on DCs by Adhesion Molecule-mediated Initial T-Cell Scanning. <i>Molecular Biology of the Cell</i> , 2005, 16, 3314-3322.	0.9	65

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55	Recruitment of Transferrin Receptor to Immunological Synapse in Response to TCR Engagement. <i>Journal of Immunology</i> , 2004, 172, 6709-6714.	0.4	68
56	Relevance of CD6-Mediated Interactions in T Cell Activation and Proliferation. <i>Journal of Immunology</i> , 2004, 173, 2262-2270.	0.4	130
57	Dynamic Redistribution of the Activating 2B4/SAP Complex at the Cytotoxic NK Cell Immune Synapse. <i>Journal of Immunology</i> , 2004, 173, 3640-3646.	0.4	52
58	VLA-4 integrin concentrates at the peripheral supramolecular activation complex of the immune synapse and drives T helper 1 responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11058-11063.	3.3	128
59	HDAC6 Deacetylase Activity Links the Tubulin Cytoskeleton with Immune Synapse Organization. <i>Immunity</i> , 2004, 20, 417-428.	6.6	184
60	The Accessory Molecules CD5 and CD6 Associate on the Membrane of Lymphoid T Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 8564-8571.	1.6	65
61	Cutting Edge: Dynamic Redistribution of Tetraspanin CD81 at the Central Zone of the Immune Synapse in Both T Lymphocytes and APC. <i>Journal of Immunology</i> , 2002, 169, 6691-6695.	0.4	128
62	Regulation of microtubule-organizing center orientation and actomyosin cytoskeleton rearrangement during immune interactions. <i>Immunological Reviews</i> , 2002, 189, 84-97.	2.8	64
63	Regulatory role of tetraspanin CD9 in tumor endothelial cell interaction during transendothelial invasion of melanoma cells. <i>Blood</i> , 2001, 98, 3717-3726.	0.6	103
64	Tetraspanins and Intercellular Interactions. <i>Microcirculation</i> , 2001, 8, 153-168.	1.0	41
65	Tetraspanins and Intercellular Interactions. , 2001, 8, 153.		24
66	Tetraspanins and intercellular interactions. <i>Microcirculation</i> , 2001, 8, 153-68.	1.0	19
67	Integrin alpha 4. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	3
68	Integrin alpha L. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	0