

# Carola Ledderose

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,655  
citations

623574

14  
h-index

610775

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative feedback control of neuronal activity by microglia. <i>Nature</i> , 2020, 586, 417-423.	13.7	520
2	CD39 Expression Identifies Terminally Exhausted CD8+ T Cells. <i>PLoS Pathogens</i> , 2015, 11, e1005177.	2.1	296
3	Purinergic P2X4 receptors and mitochondrial ATP production regulate T cell migration. <i>Journal of Clinical Investigation</i> , 2018, 128, 3583-3594.	3.9	110
4	Mitochondria Regulate Neutrophil Activation by Generating ATP for Autocrine Purinergic Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 26794-26803.	1.6	108
5	mTOR and differential activation of mitochondria orchestrate neutrophil chemotaxis. <i>Journal of Cell Biology</i> , 2015, 210, 1153-1164.	2.3	107
6	Pannexin 1 Channels Link Chemoattractant Receptor Signaling to Local Excitation and Global Inhibition Responses at the Front and Back of Polarized Neutrophils. <i>Journal of Biological Chemistry</i> , 2013, 288, 22650-22657.	1.6	91
7	Mitochondria Are Gate-keepers of T Cell Function by Producing the ATP That Drives Purinergic Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 25936-25945.	1.6	86
8	Airway brush cells generate cysteinyl leukotrienes through the ATP sensor P2Y2. <i>Science Immunology</i> , 2020, 5, .	5.6	76
9	Purinergic Signaling and the Immune Response in Sepsis: A Review. <i>Clinical Therapeutics</i> , 2016, 38, 1054-1065.	1.1	44
10	The purinergic receptor P2Y11 choreographs the polarization, mitochondrial metabolism, and migration of T lymphocytes. <i>Science Signaling</i> , 2020, 13, .	1.6	37
11	Cutting off the power: inhibition of leukemia cell growth by pausing basal ATP release and P2X receptor signaling?. <i>Purinergic Signalling</i> , 2016, 12, 439-451.	1.1	32
12	Lipopolysaccharide suppresses T cells by generating extracellular ATP that impairs their mitochondrial function via P2Y11 receptors. <i>Journal of Biological Chemistry</i> , 2019, 294, 6283-6293.	1.6	22
13	Adenosine arrests breast cancer cell motility by A3 receptor stimulation. <i>Purinergic Signalling</i> , 2016, 12, 673-685.	1.1	21
14	Adenosine Triphosphate Release is Required for Toll-Like Receptor-Induced Monocyte/Macrophage Activation, Inflammasome Signaling, Interleukin-1 $\beta$ Production, and the Host Immune Response to Infection. <i>Critical Care Medicine</i> , 2018, 46, e1183-e1189.	0.4	18
15	Autocrine stimulation of P2Y1 receptors is part of the purinergic signaling mechanism that regulates T cell activation. <i>Purinergic Signalling</i> , 2019, 15, 127-137.	1.1	18
16	Frontline Science: P2Y11 receptors support T cell activation by directing mitochondrial trafficking to the immune synapse. <i>Journal of Leukocyte Biology</i> , 2021, 109, 497-508.	1.5	14
17	Mitochondria Synergize With P2 Receptors to Regulate Human T Cell Function. <i>Frontiers in Immunology</i> , 2020, 11, 549889.	2.2	12
18	Frontline Science: <i>Escherichia coli</i> use LPS as decoy to impair neutrophil chemotaxis and defeat antimicrobial host defense. <i>Journal of Leukocyte Biology</i> , 2019, 106, 1211-1219.	1.5	11

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19	Optimized HPLC method to elucidate the complex purinergic signaling dynamics that regulate ATP, ADP, AMP, and adenosine levels in human blood. <i>Purinergic Signalling</i> , 2022, 18, 223-239.	1.1	9
20	Plasma Adenylate Levels are Elevated in Cardiopulmonary Arrest Patients and May Predict Mortality. <i>Shock</i> , 2019, 51, 698-705.	1.0	7
21	Prognostic Value of Tumor-Infiltrating Lymphocytes in Sinonasal Mucosal Melanoma. <i>Laryngoscope</i> , 2021, , .	1.1	7
22	Adenosine 5â€™-Monophosphate Protects from Hypoxia by Lowering Mitochondrial Metabolism and Oxygen Demand. <i>Shock</i> , 2020, 54, 237-244.	1.0	6
23	Endoscopic endonasal repair of complete bilateral choanal atresia in neonates. <i>European Journal of Pediatrics</i> , 2021, 180, 2245-2251.	1.3	2
24	Evaluation of an image enhancement system for the assessment of nasal and paranasal sinus diseases. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2022, 43, 103323.	0.6	1
25	Plant Posters. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016, 52, 52-73.	0.7	0
26	Purinergic signaling integrates local excitation and global inhibition signals that regulate neutrophil chemotaxis. <i>FASEB Journal</i> , 2013, 27, 729.2.	0.2	0
27	Systemic ATP Levels Suppress the Function of CD4 + T Cells in Sepsis by Impairing Autocrine Purinergic Signaling. <i>FASEB Journal</i> , 2015, 29, 972.6.	0.2	0
28	Mitochondria Orchestrate Chemotaxis of Neutrophils by Fueling Their Autocrine Purinergic Signaling Systems. <i>FASEB Journal</i> , 2015, 29, 671.2.	0.2	0