

# Isabella Rauch

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,630  
citations

304602

22  
h-index

377752

34  
g-index

44  
all docs

44  
docs citations

44  
times ranked

4779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking heavy water (D <sub>2</sub> O) incorporation for identifying and sorting active microbial cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E194-203.	3.3	359
2	NAIP-NLRC4 Inflammasomes Coordinate Intestinal Epithelial Cell Expulsion with Eicosanoid and IL-18 Release via Activation of Caspase-1 and -8. Immunity, 2017, 46, 649-659.	6.6	332
3	Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. ISME Journal, 2012, 6, 2091-2106.	4.4	291
4	The regulation of inflammation by interferons and their STATs. Jak-stat, 2013, 2, e23820.	2.2	215
5	Host-compound foraging by intestinal microbiota revealed by single-cell stable isotope probing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4720-4725.	3.3	210
6	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. ISME Journal, 2014, 8, 1101-1114.	4.4	174
7	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. Frontiers in Microbiology, 2015, 6, 1408.	1.5	106
8	NAIP proteins are required for cytosolic detection of specific bacterial ligands in vivo. Journal of Experimental Medicine, 2016, 213, 657-665.	4.2	88
9	Gasdermin-D and Caspase-7 are the key Caspase-1/8 substrates downstream of the NAIP5/NLRC4 inflammasome required for restriction of Legionella pneumophila. PLoS Pathogens, 2019, 15, e1007886.	2.1	65
10	Regulation of NO Synthesis, Local Inflammation, and Innate Immunity to Pathogens by BET Family Proteins. Molecular and Cellular Biology, 2014, 34, 415-427.	1.1	61
11	Noncanonical Effects of IRF9 in Intestinal Inflammation: More than Type I and Type III Interferons. Molecular and Cellular Biology, 2015, 35, 2332-2343.	1.1	61
12	Alarin is a vasoactive peptide. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10217-10222.	3.3	60
13	Intestinal restriction of Salmonella Typhimurium requires caspase-1 and caspase-11 epithelial intrinsic inflammasomes. PLoS Pathogens, 2020, 16, e1008498.	2.1	60
14	NAIP NLRC4-deficient mice are susceptible to shigellosis. ELife, 2020, 9, .	2.8	58
15	The NAIP/NLRC4 inflammasome in infection and pathology. Molecular Aspects of Medicine, 2020, 76, 100863.	2.7	50
16	Route of Infection Determines the Impact of Type I Interferons on Innate Immunity to Listeria monocytogenes. PLoS ONE, 2013, 8, e65007.	1.1	42
17	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. Journal of Immunology, 2015, 195, 5011-5024.	0.4	40
18	Type I interferons have opposing effects during the emergence and recovery phases of colitis. European Journal of Immunology, 2014, 44, 2749-2760.	1.6	39

#	ARTICLE	IF	CITATIONS
19	NLRC4 inflammasome activation is NLRP3- and phosphorylation-independent during infection and does not protect from melanoma. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	35
20	PGD2 and CRT2 counteract Type 2 cytokine-elicited intestinal epithelial responses during helminth infection. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	31
21	Human NAIP/NLRC4 and NLRP3 inflammasomes detect Salmonella type III secretion system activities to restrict intracellular bacterial replication. <i>PLoS Pathogens</i> , 2022, 18, e1009718.	2.1	31
22	Galanin Message-Associated Peptide Suppresses Growth and the Budded-to-Hyphal-Form Transition of <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 4167-4170.	1.4	25
23	The Galanin System in Cancer. <i>Exs</i> , 2010, 102, 223-241.	1.4	25
24	Salmonella enterica Serovar Typhimurium Induces NAIP/NLRC4- and NLRP3/ASC-Independent, Caspase-4-Dependent Inflammasome Activation in Human Intestinal Epithelial Cells. <i>Infection and Immunity</i> , 2022, 90, .	1.0	25
25	Evidence that the Modulatory Effect of Galanin on Inflammatory Edema Formation is Mediated by the Galanin Receptor 3 in the Murine Microvasculature. <i>Journal of Molecular Neuroscience</i> , 2009, 37, 177-181.	1.1	18
26	Galanin is a modulator of eccrine sweat gland secretion. <i>Experimental Dermatology</i> , 2013, 22, 141-143.	1.4	18
27	Epithelial Pyroptosis in Host Defense. <i>Journal of Molecular Biology</i> , 2022, 434, 167278.	2.0	17
28	Innate immune sensing by epithelial barriers. <i>Current Opinion in Immunology</i> , 2021, 73, 1-8.	2.4	16
29	Effects of galanin message-associated peptide and neuropeptide Y against various non-albicans <i>Candida</i> strains. <i>International Journal of Antimicrobial Agents</i> , 2011, 38, 76-80.	1.1	15
30	Transcriptional profiling identifies caspase-1 as a T cell-intrinsic regulator of Th17 differentiation. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	15
31	MMP9 haplotypes and carotid artery atherosclerosis: An association study introducing a novel multicolour multiplex RealTime PCR protocol. <i>European Journal of Clinical Investigation</i> , 2008, 38, 24-33.	1.7	14
32	Inflammasome activation leads to cDC1-independent cross-priming of CD8 T cells by epithelial cell-derived antigen. <i>ELife</i> , 2021, 10, .	2.8	12
33	Validation of antibody-based tools for galanin research. <i>Peptides</i> , 2019, 120, 170009.	1.2	11
34	Anti-Candida activity of $\alpha$ -melanocyte-stimulating hormone ( $\alpha$ -MSH) peptides. <i>Journal of Leukocyte Biology</i> , 2009, 85, 371-372.	1.5	5
35	Lytic Cell Death in Specific Microglial Subsets Is Required for Preventing Atypical Behavior in Mice. <i>ENeuro</i> , 2021, 8, ENEURO.0342-20.2020.	0.9	0
36	Eicosanoid Isolation from Mouse Intestinal Tissue for ELISA. <i>Bio-protocol</i> , 2018, 8, .	0.2	0