

Thomas Alexander Kufer

List of Publications by Year in descending order

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72
papers

5,216
citations

109137

35
h-index

91712

69
g-index

78
all docs

78
docs citations

78
times ranked

9556
citing authors

#	ARTICLE	IF	CITATIONS
1	Human TPX2 is required for targeting Aurora-A kinase to the spindle. <i>Journal of Cell Biology</i> , 2002, 158, 617-623.	2.3	516
2	NLR functions in plant and animal immune systems: so far and yet so close. <i>Nature Immunology</i> , 2011, 12, 817-826.	7.0	378
3	Chromosome-induced microtubule assembly mediated by TPX2 is required for spindle formation in HeLa cells. <i>Nature Cell Biology</i> , 2002, 4, 871-879.	4.6	287
4	Nod1-Mediated Innate Immune Recognition of Peptidoglycan Contributes to the Onset of Adaptive Immunity. <i>Immunity</i> , 2007, 26, 445-459.	6.6	281
5	The Immune Receptor NOD1 and Kinase RIP2 Interact with Bacterial Peptidoglycan on Early Endosomes to Promote Autophagy and Inflammatory Signaling. <i>Cell Host and Microbe</i> , 2014, 15, 623-635.	5.1	249
6	Programmed necrotic cell death of macrophages: Focus on pyroptosis, necroptosis, and parthanatos. <i>Redox Biology</i> , 2019, 26, 101239.	3.9	212
7	Dendritic Cells Release HLA-B-Associated Transcript-3 Positive Exosomes to Regulate Natural Killer Function. <i>PLoS ONE</i> , 2008, 3, e3377.	1.1	207
8	NLR functions beyond pathogen recognition. <i>Nature Immunology</i> , 2011, 12, 121-128.	7.0	176
9	<i>Helicobacter pylori</i> Induces MAPK Phosphorylation and AP-1 Activation via a NOD1-Dependent Mechanism. <i>Journal of Immunology</i> , 2009, 183, 8099-8109.	0.4	166
10	A Role for the Human Nucleotide-binding Domain, Leucine-rich Repeat-containing Family Member NLRC5 in Antiviral Responses. <i>Journal of Biological Chemistry</i> , 2010, 285, 26223-26232.	1.6	144
11	Role for Erbin in Bacterial Activation of Nod2. <i>Infection and Immunity</i> , 2006, 74, 3115-3124.	1.0	143
12	The pattern-recognition molecule Nod1 is localized at the plasma membrane at sites of bacterial interaction. <i>Cellular Microbiology</i> , 2007, 10, 071028185302001-???	1.1	128
13	Impact of breakfast skipping compared with dinner skipping on regulation of energy balance and metabolic risk. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 1351-1361.	2.2	127
14	NACHT-LRR proteins (NLRs) in bacterial infection and immunity. <i>Trends in Microbiology</i> , 2005, 13, 381-388.	3.5	115
15	<i>Aggregatibacter actinomycetemcomitans</i> Outer Membrane Vesicles Are Internalized in Human Host Cells and Trigger NOD1- and NOD2-Dependent NF- κ B Activation. <i>Infection and Immunity</i> , 2014, 82, 4034-4046.	1.0	112
16	Modulation of Nod2-dependent NF- κ B signaling by the actin cytoskeleton. <i>Journal of Cell Science</i> , 2007, 120, 1299-1310.	1.2	109
17	Innate Immune Sensing of Microbes by Nod Proteins. <i>Annals of the New York Academy of Sciences</i> , 2006, 1072, 19-27.	1.8	104
18	Sensing of bacteria: NOD a lonely job. <i>Current Opinion in Microbiology</i> , 2007, 10, 62-69.	2.3	94

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19	PRR-signaling pathways: Learning from microbial tactics. <i>Seminars in Immunology</i> , 2015, 27, 75-84.	2.7	94
20	TRIM27 Negatively Regulates NOD2 by Ubiquitination and Proteasomal Degradation. <i>PLoS ONE</i> , 2012, 7, e41255.	1.1	90
21	NLRC5 Controls Basal MHC Class I Gene Expression in an MHC Enhanceosome-Dependent Manner. <i>Journal of Immunology</i> , 2012, 188, 4940-4950.	0.4	89
22	NOD-Like Receptor Activation by Outer Membrane Vesicles from <i>Vibrio cholerae</i> Non-O1 Non-O139 Strains Is Modulated by the Quorum-Sensing Regulator HapR. <i>Infection and Immunity</i> , 2011, 79, 1418-1427.	1.0	77
23	Pattern-recognition Receptors in Pulp Defense. <i>Advances in Dental Research</i> , 2011, 23, 296-301.	3.6	65
24	Mutational analysis of human NOD1 and NOD2 NACHT domains reveals different modes of activation. <i>Innate Immunity</i> , 2012, 18, 100-111.	1.1	64
25	NLRC5 elicits antitumor immunity by enhancing processing and presentation of tumor antigens to CD8 ⁺ T lymphocytes. <i>Oncolmmunology</i> , 2016, 5, e1151593.	2.1	62
26	Regulation of Aurora-A kinase on the mitotic spindle. <i>Chromosoma</i> , 2003, 112, 159-163.	1.0	55
27	Evaluation of Nod-Like Receptor (NLR) Effector Domain Interactions. <i>PLoS ONE</i> , 2009, 4, e4931.	1.1	53
28	BID-dependent release of mitochondrial SMAC dampens XIAP-mediated immunity against <i>Shigella</i> . <i>EMBO Journal</i> , 2014, 33, 2171-2187.	3.5	52
29	NLRC5 interacts with RIG-I to induce a robust antiviral response against influenza virus infection. <i>European Journal of Immunology</i> , 2015, 45, 758-772.	1.6	49
30	Expression of NOD2 is increased in inflamed human dental pulps and lipoteichoic acid-stimulated odontoblast-like cells. <i>Innate Immunity</i> , 2011, 17, 29-34.	1.1	47
31	NLRC5, at the Heart of Antigen Presentation. <i>Frontiers in Immunology</i> , 2013, 4, 397.	2.2	46
32	Signal transduction pathways used by NLR-type innate immune receptors. <i>Molecular BioSystems</i> , 2008, 4, 380.	2.9	44
33	The Cofilin Phosphatase Slingshot Homolog 1 (SSH1) Links NOD1 Signaling to Actin Remodeling. <i>PLoS Pathogens</i> , 2014, 10, e1004351.	2.1	44
34	NLRC5 Functions beyond MHC I Regulation—What Do We Know So Far?. <i>Frontiers in Immunology</i> , 2017, 8, 150.	2.2	44
35	Proteasomal degradation of NOD2 by NLRP12 in monocytes promotes bacterial tolerance and colonization by enteropathogens. <i>Nature Communications</i> , 2018, 9, 5338.	5.8	44
36	NLRP10 enhances <i>Shigella</i> -induced pro-inflammatory responses. <i>Cellular Microbiology</i> , 2012, 14, 1568-1583.	1.1	38

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37	Cellular stress promotes NOD1/2-dependent inflammation via the endogenous metabolite sphingosine-1-phosphate. <i>EMBO Journal</i> , 2021, 40, e106272.	3.5	34
38	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. <i>Nature Microbiology</i> , 2020, 5, 354-367.	5.9	33
39	A role for quorum sensing in regulating innate immune responses mediated by <i>Vibrio cholerae</i> outer membrane vesicles (OMVs). <i>Gut Microbes</i> , 2011, 2, 274-279.	4.3	32
40	The N-Terminal Domain of NLRC5 Confers Transcriptional Activity for MHC Class I and II Gene Expression. <i>Journal of Immunology</i> , 2014, 193, 3090-3100.	0.4	32
41	NOD2 dependent neutrophil recruitment is required for early protective immune responses against infectious <i>Litomosoides sigmodontis</i> L3 larvae. <i>Scientific Reports</i> , 2016, 6, 39648.	1.6	30
42	A function for AAMP in Nod2-mediated NF- κ B activation. <i>Molecular Immunology</i> , 2009, 46, 2647-2654.	1.0	29
43	The NLR family pyrin domain-containing 11 protein contributes to the regulation of inflammatory signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 2701-2710.	1.6	29
44	A high-sensitivity, bi-directional reporter to monitor NF- κ B activity in cell culture and zebrafish in real-time. <i>Journal of Cell Science</i> , 2017, 130, 648-657.	1.2	27
45	Targeting the innate immunoreceptor RIG-I overcomes melanoma-intrinsic resistance to T cell immunotherapy. <i>Journal of Clinical Investigation</i> , 2020, 130, 4266-4281.	3.9	27
46	Anti-inflammatory Arene- π -Chromium Complexes Acting as Specific Inhibitors of NOD2 Signalling. <i>ChemMedChem</i> , 2010, 5, 2065-2071.	1.6	25
47	Engagement of Nucleotide-binding Oligomerization Domain-containing Protein 1 (NOD1) by Receptor-interacting Protein 2 (RIP2) Is Insufficient for Signal Transduction. <i>Journal of Biological Chemistry</i> , 2014, 289, 22900-22914.	1.6	25
48	Detection of Bacterial Membrane Vesicles by NOD-Like Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1005.	1.8	25
49	The c-Jun N-terminal Kinase (JNK)-binding Protein (JNKBP1) Acts as a Negative Regulator of NOD2 Protein Signaling by Inhibiting Its Oligomerization Process. <i>Journal of Biological Chemistry</i> , 2012, 287, 29213-29226.	1.6	23
50	Epidermal NLRP10 contributes to contact hypersensitivity responses in mice. <i>European Journal of Immunology</i> , 2016, 46, 1959-1969.	1.6	22
51	Roles of NLRP10 in innate and adaptive immunity. <i>Microbes and Infection</i> , 2013, 15, 516-523.	1.0	21
52	Role of NLRs in the Regulation of Type I Interferon Signaling, Host Defense and Tolerance to Inflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1301.	1.8	19
53	Innate Immune Molecule NLRC5 Protects Mice From Helicobacter-induced Formation of Gastric Lymphoid Tissue. <i>Gastroenterology</i> , 2020, 159, 169-182.e8.	0.6	18
54	DDX3X Links NLRP11 to the Regulation of Type I Interferon Responses and NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2021, 12, 653883.	2.2	18

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55	XIAP controls RIPK2 signaling by preventing its deposition in speck-like structures. Life Science Alliance, 2019, 2, e201900346.	1.3	18
56	A role for the Ankyrin repeat containing protein Ankrd17 in Nod1 and Nod2 mediated inflammatory responses. FEBS Letters, 2013, 587, 2137-2142.	1.3	16
57	Multifaceted Functions of NOD-Like Receptor Proteins in Myeloid Cells at the Intersection of Innate and Adaptive Immunity. Microbiology Spectrum, 2016, 4, .	1.2	16
58	NLRP10 Affects the Stability of Abin-1 To Control Inflammatory Responses. Journal of Immunology, 2019, 202, 218-227.	0.4	14
59	Guardians of the Cell: Effector-Triggered Immunity Steers Mammalian Immune Defense. Trends in Immunology, 2019, 40, 939-951.	2.9	13
60	NOD1 modulates IL-10 signalling in human dendritic cells. Scientific Reports, 2017, 7, 1005.	1.6	12
61	Cell-Based Reporter Assay to Analyze Activation of Nod1 and Nod2. Methods in Molecular Biology, 2011, 748, 107-119.	0.4	10
62	Editorial: NLR-Protein Functions in Immunity. Frontiers in Immunology, 2015, 6, 306.	2.2	9
63	Subcellular antigen localization in commensal E. coli is critical for T cell activation and induction of specific tolerance. Mucosal Immunology, 2019, 12, 97-107.	2.7	7
64	Hydrophenalene-Cr(CO) ₃ complexes as anti-inflammatory agents based on specific inhibition of NOD2 signalling: a SAR study. MedChemComm, 2012, 3, 1377.	3.5	5
65	Immunodetection and Pathogenesis Mediated by Bacterial Membrane Vesicles. , 2020, , 159-188.		5
66	NLRs: Nucleotide-Binding Domain and Leucine-Rich-Repeat-Containing Proteins. EcoSal Plus, 2009, 3, .	2.1	3
67	Assaying RIPK2 Activation by Complex Formation. Methods in Molecular Biology, 2022, , 133-150.	0.4	3
68	14-3-3 and erlin proteins differentially interact with RIPK2 complexes. Journal of Cell Science, 2021, 134, .	1.2	2
69	NLRC5 Deficiency Deregulates Hepatic Inflammatory Response but Does Not Aggravate Carbon Tetrachloride-Induced Liver Fibrosis. Frontiers in Immunology, 2021, 12, 749646.	2.2	2
70	93. Cytokine, 2014, 70, 50.	1.4	0
71	Multifaceted Functions of NOD-Like Receptor Proteins in Myeloid Cells at the Intersection of Innate and Adaptive Immunity. , 0, , 295-304.		0
72	Analysis of the Localization of NLRs upon Shigella flexneri Infection Exemplified by NOD1. Methods in Molecular Biology, 2022, 2421, 37-56.	0.4	0