

Seth L Masters

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9461796/seth-l-masters-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126
papers

15,186
citations

50
h-index

123
g-index

151
ext. papers

18,832
ext. citations

13.3
avg, IF

6.28
L-index

#	Paper	IF	Citations
126	Protein kinase R is an innate immune sensor of proteotoxic stress via accumulation of cytoplasmic IL-24.. <i>Science Immunology</i> , 2022 , 7, eabi6763	28	2
125	Organelle homeostasis and innate immune sensing.. <i>Nature Reviews Immunology</i> , 2022 ,	36.5	5
124	Deficiency in coatomer complex I causes aberrant activation of STING signalling.. <i>Nature Communications</i> , 2022 , 13, 2321	17.4	4
123	Recessive NLRC4-Autoinflammatory Disease Reveals an Ulcerative Colitis Locus. <i>Journal of Clinical Immunology</i> , 2021 , 1	5.7	2
122	Differential recognition of HIV-stimulated IL-1 β and IL-18 secretion through NLR and NAIP signalling in monocyte-derived macrophages. <i>PLoS Pathogens</i> , 2021 , 17, e1009417	7.6	4
121	NLRP1 variant M1184V decreases inflammasome activation in the context of DPP9 inhibition and asthma severity. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 2134-2145.e20	11.5	2
120	Constitutive immune mechanisms: mediators of host defence and immune regulation. <i>Nature Reviews Immunology</i> , 2021 , 21, 137-150	36.5	48
119	Excessive deubiquitination of NLRP3-R779C variant contributes to very-early-onset inflammatory bowel disease development. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 267-279	11.5	14
118	The role of PLC ζ in immunological disorders, cancer, and neurodegeneration. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100905	5.4	7
117	Small Extracellular Vesicle Enrichment of a Retrotransposon-Derived Double-Stranded RNA: A Means to Avoid Autoinflammation?. <i>Biomedicine</i> , 2021 , 9,	4.8	1
116	A missense mutation in the MLKL brace region promotes lethal neonatal inflammation and hematopoietic dysfunction. <i>Nature Communications</i> , 2020 , 11, 3150	17.4	41
115	Connexin-Dependent Transfer of cGAMP to Phagocytes Modulates Antiviral Responses. <i>MBio</i> , 2020 , 11,	7.8	23
114	Compound Heterozygous Mutations of IL12RB1 in a Patient with Selective Defects in Th17 Differentiation. <i>Journal of Clinical Immunology</i> , 2020 , 40, 647-652	5.7	1
113	TBK1 and IKK α Act Redundantly to Mediate STING-Induced NF- κ B Responses in Myeloid Cells. <i>Cell Reports</i> , 2020 , 31, 107492	10.6	72
112	Mutations that prevent caspase cleavage of RIPK1 cause autoinflammatory disease. <i>Nature</i> , 2020 , 577, 103-108	50.4	110
111	TDP-43 Triggers Mitochondrial DNA Release via mPTP to Activate cGAS/STING in ALS. <i>Cell</i> , 2020 , 183, 636-649.e18	56.2	139
110	Pharmacological validation of targets regulating CD14 during macrophage differentiation. <i>EBioMedicine</i> , 2020 , 61, 103039	8.8	5

109	Inhibition of interleukin-1 β signalling promotes atherosclerotic lesion remodelling in mice with inflammatory arthritis. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1206	6.8	3
108	NK cell-derived GM-CSF potentiates inflammatory arthritis and is negatively regulated by CIS. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	25
107	TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis. <i>IScience</i> , 2019 , 12, 41-52	6.1	21
106	SIDT1 Localizes to Endolysosomes and Mediates Double-Stranded RNA Transport into the Cytoplasm. <i>Journal of Immunology</i> , 2019 , 202, 3483-3492	5.3	11
105	Lack of protein prenylation promotes NLRP3 inflammasome assembly in human monocytes. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 2315-2317.e3	11.5	7
104	Pattern Recognition Receptors in Autoinflammation 2019 , 61-87		2
103	RIPLET, and not TRIM25, is required for endogenous RIG-I-dependent antiviral responses. <i>Immunology and Cell Biology</i> , 2019 , 97, 840-852	5	45
102	The Salmonella pathogenicity island-2 subverts human NLRP3 and NLRC4 inflammasome responses. <i>Journal of Leukocyte Biology</i> , 2019 , 105, 401-410	6.5	21
101	The NLRP3 Inflammasome Suppresses Protective Immunity to Gastrointestinal Helminth Infection. <i>Cell Reports</i> , 2018 , 23, 1085-1098	10.6	27
100	Evidence that TLR4 Is Not a Receptor for Saturated Fatty Acids but Mediates Lipid-Induced Inflammation by Reprogramming Macrophage Metabolism. <i>Cell Metabolism</i> , 2018 , 27, 1096-1110.e5	24.6	210
99	Dysregulated IL-18 Is a Key Driver of Immunosuppression and a Possible Therapeutic Target in the Multiple Myeloma Microenvironment. <i>Cancer Cell</i> , 2018 , 33, 634-648.e5	24.3	95
98	Microparticulate Caspase 1 Regulates Gasdermin D and Pulmonary Vascular Endothelial Cell Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 59, 56-64	5.7	35
97	Identification of a second binding site on the TRIM25 B30.2 domain. <i>Biochemical Journal</i> , 2018 , 475, 429-440	3.8	10
96	Mechanisms of NLRP1-Mediated Autoinflammatory Disease in Humans and Mice. <i>Journal of Molecular Biology</i> , 2018 , 430, 142-152	6.5	40
95	Interleukin-1 receptor-associated kinase 4 (IRAK4) plays a dual role in myddosome formation and Toll-like receptor signaling. <i>Journal of Biological Chemistry</i> , 2018 , 293, 15195-15207	5.4	48
94	A Mutation Outside the Dimerization Domain Causing Atypical STING-Associated Vasculopathy With Onset in Infancy. <i>Frontiers in Immunology</i> , 2018 , 9, 1535	8.4	50
93	Membrane vesicles from <i>Pseudomonas aeruginosa</i> activate the noncanonical inflammasome through caspase-5 in human monocytes. <i>Immunology and Cell Biology</i> , 2018 , 96, 1120-1130	5	37
92	Caspase substrates won't be defined by a four-letter code. <i>Journal of Biological Chemistry</i> , 2018 , 293, 7068-7069	5.4	2

91	Generation of Genetic Knockouts in Myeloid Cell Lines Using a Lentiviral CRISPR/Cas9 System. <i>Methods in Molecular Biology</i> , 2018 , 1714, 41-55	1.4	15
90	The Mitochondrial Apoptotic Effectors BAX/BAK Activate Caspase-3 and -7 to Trigger NLRP3 Inflammasome and Caspase-8 Driven IL-1 β Activation. <i>Cell Reports</i> , 2018 , 25, 2339-2353.e4	10.6	102
89	Human DPP9 represses NLRP1 inflammasome and protects against autoinflammatory diseases via both peptidase activity and FIIND domain binding. <i>Journal of Biological Chemistry</i> , 2018 , 293, 18864-18878	5.4	93
88	The classification, genetic diagnosis and modelling of monogenic autoinflammatory disorders. <i>Clinical Science</i> , 2018 , 132, 1901-1924	6.5	14
87	NLRP1 restricts butyrate producing commensals to exacerbate inflammatory bowel disease. <i>Nature Communications</i> , 2018 , 9, 3728	17.4	45
86	Ximmer: a system for improving accuracy and consistency of CNV calling from exome data. <i>GigaScience</i> , 2018 , 7,	7.6	16
85	Autoinflammatory mutation in NLRC4 reveals a leucine-rich repeat (LRR)-LRR oligomerization interface. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 1956-1967.e6	11.5	36
84	An Update on Autoinflammatory Diseases: Interferonopathies. <i>Current Rheumatology Reports</i> , 2018 , 20, 38	4.9	43
83	An Update on Autoinflammatory Diseases: Relopathies. <i>Current Rheumatology Reports</i> , 2018 , 20, 39	4.9	28
82	An Update on Autoinflammatory Diseases: Inflammasomopathies. <i>Current Rheumatology Reports</i> , 2018 , 20, 40	4.9	42
81	Active MLKL triggers the NLRP3 inflammasome in a cell-intrinsic manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E961-E969	11.5	210
80	Inflammasome Priming in Sterile Inflammatory Disease. <i>Trends in Molecular Medicine</i> , 2017 , 23, 165-180	11.5	142
79	EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. <i>Nature Microbiology</i> , 2017 , 2, 16258	26.6	100
78	Homeostasis-altering molecular processes as mechanisms of inflammasome activation. <i>Nature Reviews Immunology</i> , 2017 , 17, 208-214	36.5	215
77	NLRP3 inflammasome blockade reduces liver inflammation and fibrosis in experimental NASH in mice. <i>Journal of Hepatology</i> , 2017 , 66, 1037-1046	13.4	432
76	Protective Effect of Inflammasome Activation by Hydrogen Peroxide in a Mouse Model of Septic Shock. <i>Critical Care Medicine</i> , 2017 , 45, e184-e194	1.4	7
75	Myeloid-derived miR-223 regulates intestinal inflammation via repression of the NLRP3 inflammasome. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1737-1752	16.6	205
74	Posttranslational Modification as a Critical Determinant of Cytoplasmic Innate Immune Recognition. <i>Physiological Reviews</i> , 2017 , 97, 1165-1209	47.9	36

73	The RNA-binding protein Tristetraprolin (TTP) is a critical negative regulator of the NLRP3 inflammasome. <i>Journal of Biological Chemistry</i> , 2017 , 292, 6869-6881	5.4	39
72	A novel Pyrin-Associated Autoinflammation with Neutrophilic Dermatitis mutation further defines 14-3-3 binding of pyrin and distinction to Familial Mediterranean Fever. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 2085-2094	2.4	75
71	SIDT2 Transports Extracellular dsRNA into the Cytoplasm for Innate Immune Recognition. <i>Immunity</i> , 2017 , 47, 498-509.e6	32.3	59
70	Intercellular communication for innate immunity. <i>Molecular Immunology</i> , 2017 , 86, 16-22	4.3	21
69	Strain 130b Evades Macrophage Cell Death Independent of the Effector SidF in the Absence of Flagellin. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 35	5.9	13
68	A Homolog of Eukaryotic Flotillin Is Involved in Cholesterol Accumulation, Epithelial Cell Responses and Host Colonization. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 219	5.9	21
67	IL-18 Production from the NLRP1 Inflammasome Prevents Obesity and Metabolic Syndrome. <i>Cell Metabolism</i> , 2016 , 23, 155-64	24.6	101
66	Avenues to autoimmune arthritis triggered by diverse remote inflammatory challenges. <i>Journal of Autoimmunity</i> , 2016 , 73, 120-9	15.5	3
65	Germline NLRP1 Mutations Cause Skin Inflammatory and Cancer Susceptibility Syndromes via Inflammasome Activation. <i>Cell</i> , 2016 , 167, 187-202.e17	56.2	224
64	Familial autoinflammation with neutrophilic dermatosis reveals a regulatory mechanism of pyrin activation. <i>Science Translational Medicine</i> , 2016 , 8, 332ra45	17.5	182
63	Plasmacytoid dendritic cells are short-lived: reappraising the influence of migration, genetic factors and activation on estimation of lifespan. <i>Scientific Reports</i> , 2016 , 6, 25060	4.9	25
62	Granzyme M has a critical role in providing innate immune protection in ulcerative colitis. <i>Cell Death and Disease</i> , 2016 , 7, e2302	9.8	8
61	The modern interleukin-1 superfamily: Divergent roles in obesity. <i>Seminars in Immunology</i> , 2016 , 28, 441-449	16.7	19
60	The transcriptional regulators IRF4, BATF and IL-33 orchestrate development and maintenance of adipose tissue-resident regulatory T cells. <i>Nature Immunology</i> , 2015 , 16, 276-85	19.1	356
59	RIPK3 promotes cell death and NLRP3 inflammasome activation in the absence of MLKL. <i>Nature Communications</i> , 2015 , 6, 6282	17.4	367
58	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. <i>Journal of Immunology</i> , 2015 , 195, 1233-41	5.3	28
57	Monogenic autoinflammatory diseases: Cytokinopathies. <i>Cytokine</i> , 2015 , 74, 237-46	4	28
56	ATF3 Is a Key Regulator of Macrophage IFN Responses. <i>Journal of Immunology</i> , 2015 , 195, 4446-55	5.3	60

55	A <i>Toxoplasma gondii</i> Gluconeogenic Enzyme Contributes to Robust Central Carbon Metabolism and Is Essential for Replication and Virulence. <i>Cell Host and Microbe</i> , 2015 , 18, 210-20	23.4	56
54	Fas regulates neutrophil lifespan during viral and bacterial infection. <i>Journal of Leukocyte Biology</i> , 2015 , 97, 321-6	6.5	24
53	NLRP3 inflammasome activation downstream of cytoplasmic LPS recognition by both caspase-4 and caspase-5. <i>European Journal of Immunology</i> , 2015 , 45, 2918-26	6.1	177
52	Whole exome sequencing in systemic juvenile idiopathic arthritis. <i>Pediatric Rheumatology</i> , 2015 , 13,	3.5	78
51	Aberrant actin depolymerization triggers the pyrin inflammasome and autoinflammatory disease that is dependent on IL-18, not IL-1 β <i>Journal of Experimental Medicine</i> , 2015 , 212, 927-38	16.6	97
50	Regulation of Starch Stores by a Ca(2+)-Dependent Protein Kinase Is Essential for Viable Cyst Development in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015 , 18, 670-81	23.4	49
49	A small-molecule inhibitor of the NLRP3 inflammasome for the treatment of inflammatory diseases. <i>Nature Medicine</i> , 2015 , 21, 248-55	50.5	1354
48	An aspartyl protease defines a novel pathway for export of <i>Toxoplasma</i> proteins into the host cell. <i>ELife</i> , 2015 , 4,	8.9	72
47	Aberrant actin depolymerization triggers the pyrin inflammasome and autoinflammatory disease that is dependent on IL-18, not IL-1 β <i>Journal of Cell Biology</i> , 2015 , 209, 2095OIA104	7.3	
46	RIPK1 regulates RIPK3-MLKL-driven systemic inflammation and emergency hematopoiesis. <i>Cell</i> , 2014 , 157, 1175-88	56.2	400
45	A healthy appetite for <i>Toxoplasma</i> at the cellular level. <i>Immunology and Cell Biology</i> , 2014 , 92, 813-4	5	
44	NLRP1a expression in Srebp-1a-deficient mice. <i>Cell Metabolism</i> , 2014 , 19, 345-6	24.6	5
43	Activation of the NLRP3 inflammasome complex is not required for stress-induced death of pancreatic islets. <i>PLoS ONE</i> , 2014 , 9, e113128	3.7	18
42	The pathogen <i>Candida albicans</i> hijacks pyroptosis for escape from macrophages. <i>MBio</i> , 2014 , 5, e00003-14	14.8	135
41	Dual role for inflammasome sensors NLRP1 and NLRP3 in murine resistance to <i>Toxoplasma gondii</i> . <i>MBio</i> , 2014 , 5,	7.8	181
40	Adipose tissue macrophages promote myelopoiesis and monocytosis in obesity. <i>Cell Metabolism</i> , 2014 , 19, 821-35	24.6	305
39	Fas Controls Neutrophil Lifespan during Bacterial and Viral Infection. <i>Blood</i> , 2014 , 124, 1579-1579	2.2	
38	Activating the NLRP3 inflammasome using the amyloidogenic peptide IAPP. <i>Methods in Molecular Biology</i> , 2013 , 1040, 9-18	1.4	17

37	Transcriptional analysis of the three Nlrp1 paralogs in mice. <i>BMC Genomics</i> , 2013 , 14, 188	4.5	47
36	miR-223: infection, inflammation and cancer. <i>Journal of Internal Medicine</i> , 2013 , 274, 215-26	10.8	266
35	Specific inflammasomes in complex diseases. <i>Clinical Immunology</i> , 2013 , 147, 223-8	9	69
34	Succinate is an inflammatory signal that induces IL-1 β through HIF-1 β . <i>Nature</i> , 2013 , 496, 238-42	50.4	1930
33	Linking metabolic abnormalities to apoptotic pathways in Beta cells in type 2 diabetes. <i>Cells</i> , 2013 , 2, 266-83	7.9	34
32	Necroptotic Death Of RIPK1-Deficient HSC Compromises Hematopoiesis. <i>Blood</i> , 2013 , 122, 218-218	2.2	
31	NLRP1 inflammasome activation induces pyroptosis of hematopoietic progenitor cells. <i>Immunity</i> , 2012 , 37, 1009-23	32.3	212
30	Cutting edge: miR-223 and EBV miR-BART15 regulate the NLRP3 inflammasome and IL-1 β production. <i>Journal of Immunology</i> , 2012 , 189, 3795-9	5.3	316
29	Activation of the NLRP1 Inflammasome Induces the Pyroptotic Death of Hematopoietic Progenitor Cells. <i>Blood</i> , 2012 , 120, 1213-1213	2.2	
28	TLR regulation of SPSB1 controls inducible nitric oxide synthase induction. <i>Journal of Immunology</i> , 2011 , 187, 3798-805	5.3	43
27	Disease-associated amyloid and misfolded protein aggregates activate the inflammasome. <i>Trends in Molecular Medicine</i> , 2011 , 17, 276-82	11.5	108
26	The inflammasome in atherosclerosis and type 2 diabetes. <i>Science Translational Medicine</i> , 2011 , 3, 81ps17.5	17.5	118
25	Regulation of interleukin-1beta by interferon-gamma is species specific, limited by suppressor of cytokine signalling 1 and influences interleukin-17 production. <i>EMBO Reports</i> , 2010 , 11, 640-6	6.5	55
24	Activation of the NLRP3 inflammasome by islet amyloid polypeptide provides a mechanism for enhanced IL-1 β in type 2 diabetes. <i>Nature Immunology</i> , 2010 , 11, 897-904	19.1	940
23	Release of the mitochondrial endosymbiont helps explain sterile inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, E32	11.5	2
22	The SPRY domain-containing SOCS box protein SPSB2 targets iNOS for proteasomal degradation. <i>Journal of Cell Biology</i> , 2010 , 190, 129-41	7.3	78
21	Deficiency of 5-hydroxyisourate hydrolase causes hepatomegaly and hepatocellular carcinoma in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16625-30	11.5	24
20	Clinical features and functional significance of the P369S/R408Q variant in pyrin, the familial Mediterranean fever protein. <i>Annals of the Rheumatic Diseases</i> , 2010 , 69, 1383-8	2.4	67

19	The SPRY domain-containing SOCS box protein SPSB2 targets iNOS for proteasomal degradation. <i>Journal of Experimental Medicine</i> , 2010 , 207, i22-i22	16.6	
18	Familial Mediterranean fever with a single MEFV mutation: where is the second hit?. <i>Arthritis and Rheumatism</i> , 2009 , 60, 1851-61		189
17	SPRY domain-containing SOCS box protein 2: crystal structure and residues critical for protein binding. <i>Journal of Molecular Biology</i> , 2009 , 386, 662-74	6.5	37
16	Horror autoinflammaticus: the molecular pathophysiology of autoinflammatory disease (*). <i>Annual Review of Immunology</i> , 2009 , 27, 621-68	34.7	808
15	An autoinflammatory disease with deficiency of the interleukin-1-receptor antagonist. <i>New England Journal of Medicine</i> , 2009 , 360, 2426-37	59.2	726
14	Pyrin Modulates the Intracellular Distribution of PSTPIP1. <i>PLoS ONE</i> , 2009 , 4, e6147	3.7	41
13	The familial Mediterranean fever protein, pyrin, is cleaved by caspase-1 and activates NF-kappaB through its N-terminal fragment. <i>Blood</i> , 2008 , 112, 1794-803	2.2	117
12	Protein kinase antagonists as therapeutic agents for immunological and inflammatory disorders 2008 , 1341-1351		
11	STAT4 and the risk of rheumatoid arthritis and systemic lupus erythematosus. <i>New England Journal of Medicine</i> , 2007 , 357, 977-86	59.2	786
10	The B30.2 domain of pyrin, the familial Mediterranean fever protein, interacts directly with caspase-1 to modulate IL-1beta production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9982-7	11.5	420
9	Recent advances in the molecular pathogenesis of hereditary recurrent fevers. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2006 , 6, 428-33	3.3	40
8	The SPRY domain of SSB-2 adopts a novel fold that presents conserved Par-4-binding residues. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 77-84	17.6	68
7	Dynamics of the SPRY domain-containing SOCS box protein 2: flexibility of key functional loops. <i>Protein Science</i> , 2006 , 15, 2761-72	6.3	12
6	The molybdate binding protein Mop from <i>Haemophilus influenzae</i> --biochemical and thermodynamic characterisation. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 439, 105-12	4.1	10
5	Backbone 1H, 13C and 15N assignments of the 25 kDa SPRY domain-containing SOCS box protein 2 (SSB-2). <i>Journal of Biomolecular NMR</i> , 2005 , 31, 69-70	3	14
4	Genetic deletion of murine SPRY domain-containing SOCS box protein 2 (SSB-2) results in very mild thrombocytopenia. <i>Molecular and Cellular Biology</i> , 2005 , 25, 5639-47	4.8	13
3	Activation of STING due to COPI-deficiency		6
2	Missense mutations in the MLKL Brace region lead to lethal neonatal inflammation in mice and are present in high frequency in humans		4

1 DPP9 deficiency: an Inflammasomopathy which can be rescued by lowering NLRP1/IL-1 signaling

2