

Attila MÃ³csai

List of Publications by Year in descending order

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98
papers

10,375
citations

47006

47
h-index

39675

94
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107
all docs

107
docs citations

107
times ranked

14260
citing authors

#	ARTICLE	IF	CITATIONS
1	The SYK tyrosine kinase: a crucial player in diverse biological functions. <i>Nature Reviews Immunology</i> , 2010, 10, 387-402.	22.7	1,100
2	Syk kinase signalling couples to the Nlrp3 inflammasome for anti-fungal host defence. <i>Nature</i> , 2009, 459, 433-436.	27.8	799
3	Diverse novel functions of neutrophils in immunity, inflammation, and beyond. <i>Journal of Experimental Medicine</i> , 2013, 210, 1283-1299.	8.5	572
4	Neutrophil cell surface receptors and their intracellular signal transduction pathways. <i>International Immunopharmacology</i> , 2013, 17, 638-650.	3.8	478
5	The immunomodulatory adapter proteins DAP12 and Fc receptor γ -chain (FcR γ) regulate development of functional osteoclasts through the Syk tyrosine kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6158-6163.	7.1	441
6	Regulation of Blood and Lymphatic Vascular Separation by Signaling Proteins SLP-76 and Syk. <i>Science</i> , 2003, 299, 247-251.	12.6	404
7	Syk Is Required for Integrin Signaling in Neutrophils. <i>Immunity</i> , 2002, 16, 547-558.	14.3	391
8	Neutrophils as emerging therapeutic targets. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 253-275.	46.4	386
9	Coordinate interactions of Csk, Src, and Syk kinases with β 3 initiate integrin signaling to the cytoskeleton. <i>Journal of Cell Biology</i> , 2002, 157, 265-275.	5.2	382
10	Integrin signaling in neutrophils and macrophages uses adaptors containing immunoreceptor tyrosine-based activation motifs. <i>Nature Immunology</i> , 2006, 7, 1326-1333.	14.5	332
11	Adjuvanticity of a synthetic cord factor analogue for subunit <i>Mycobacterium tuberculosis</i> vaccination requires FcR γ -Syk-Card9 dependent innate immune activation. <i>Journal of Experimental Medicine</i> , 2009, 206, 89-97.	8.5	290
12	Kinase Pathways in Chemoattractant-Induced Degranulation of Neutrophils: The Role of p38 Mitogen-Activated Protein Kinase Activated by Src Family Kinases. <i>Journal of Immunology</i> , 2000, 164, 4321-4331.	0.8	268
13	Evidence that IgE molecules mediate a spectrum of effects on mast cell survival and activation via aggregation of the Fc μ R1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12911-12916.	7.1	249
14	Neutrophil granulocytes recruited upon translocation of intestinal bacteria enhance graft-versus-host disease via tissue damage. <i>Nature Medicine</i> , 2014, 20, 648-654.	30.7	241
15	Src and Syk kinases: key regulators of phagocytic cell activation. <i>Trends in Immunology</i> , 2005, 26, 208-214.	6.8	191
16	The role of neutrophils in autoimmune diseases. <i>Immunology Letters</i> , 2012, 143, 9-19.	2.5	162
17	Reprint of Neutrophil cell surface receptors and their intracellular signal transduction pathways. <i>International Immunopharmacology</i> , 2013, 17, 1185-1197.	3.8	153
18	Neutrophils are required for both the sensitization and elicitation phase of contact hypersensitivity. <i>Journal of Experimental Medicine</i> , 2015, 212, 15-22.	8.5	143

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19	PI3K ^Î Plays a Critical Role in Neutrophil Activation by Immune Complexes. <i>Science Signaling</i> , 2011, 4, ra23.	3.6	130
20	The Src family kinases Hck, Fgr, and Lyn are critical for the generation of the in vivo inflammatory environment without a direct role in leukocyte recruitment. <i>Journal of Experimental Medicine</i> , 2014, 211, 1993-2011.	8.5	124
21	Immunoreceptor-like signaling by Î ² and Î ³ integrins. <i>Trends in Cell Biology</i> , 2007, 17, 493-501.	7.9	123
22	Intracellular signalling during neutrophil recruitment. <i>Cardiovascular Research</i> , 2015, 107, 373-385.	3.8	120
23	G-protein-coupled receptor signaling in Syk-deficient neutrophils and mast cells. <i>Blood</i> , 2003, 101, 4155-4163.	1.4	116
24	Experimental lupus is aggravated in mouse strains with impaired induction of neutrophil extracellular traps. <i>JCI Insight</i> , 2017, 2, .	5.0	115
25	Critical role of phospholipase C ^Î 2 in integrin and Fc receptor-mediated neutrophil functions and the effector phase of autoimmune arthritis. <i>Journal of Experimental Medicine</i> , 2009, 206, 577-593.	8.5	109
26	Abolition of mitochondrial substrate-level phosphorylation by itaconic acid produced by LPS-induced Irg1 expression in cells of murine macrophage lineage. <i>FASEB Journal</i> , 2016, 30, 286-300.	0.5	100
27	Role for Plastin in Host Defense Distinguishes Integrin Signaling from Cell Adhesion and Spreading. <i>Immunity</i> , 2003, 19, 95-104.	14.3	97
28	Genetic deficiency of Syk protects mice from autoantibody-induced arthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 1899-1910.	6.7	95
29	Neutrophil activation via Î ² integrins (CD11/CD18): Molecular mechanisms and clinical implications. <i>Thrombosis and Haemostasis</i> , 2007, 98, 262-273.	3.4	93
30	What is the future of targeted therapy in rheumatology: biologics or small molecules?. <i>BMC Medicine</i> , 2014, 12, 43.	5.5	87
31	Tyrosine Kinases in Autoimmune and Inflammatory Skin Diseases. <i>Frontiers in Immunology</i> , 2019, 10, 1862.	4.8	86
32	SLP-76 Regulates FcÎ ³ Receptor and Integrin Signaling in Neutrophils. <i>Immunity</i> , 2003, 19, 761-769.	14.3	83
33	The absence of P2X7 receptors (P2rx7) on non-haematopoietic cells leads to selective alteration in mood-related behaviour with dysregulated gene expression and stress reactivity in mice. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 213-233.	2.1	83
34	ITAM-based signaling beyond the adaptive immune response. <i>Immunology Letters</i> , 2006, 104, 29-37.	2.5	81
35	Dasatinib inhibits proinflammatory functions of mature human neutrophils. <i>Blood</i> , 2012, 119, 4981-4991.	1.4	81
36	Critical but Overlapping Role of FcÎ ³ RIII and FcÎ ³ RIV in Activation of Murine Neutrophils by Immobilized Immune Complexes. <i>Journal of Immunology</i> , 2008, 180, 618-629.	0.8	80

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37	The Vav binding site of the non- α receptor tyrosine kinase Syk at Tyr 348 is critical for β 2 integrin (CD11/CD18)-mediated neutrophil migration. <i>Blood</i> , 2006, 108, 3919-3927.	1.4	79
38	Feedback Amplification of Neutrophil Function. <i>Trends in Immunology</i> , 2016, 37, 412-424.	6.8	69
39	Class IA Phosphoinositide 3-Kinase β and γ Regulate Neutrophil Oxidase Activation in Response to <i>Aspergillus fumigatus</i> Hyphae. <i>Journal of Immunology</i> , 2011, 186, 2978-2989.	0.8	64
40	Neutrophil-specific deletion of the CARD9 gene expression regulator suppresses autoantibody-induced inflammation in vivo. <i>Nature Communications</i> , 2016, 7, 11004.	12.8	62
41	Spleen tyrosine kinase Syk is critical for sustained leukocyte adhesion during inflammation in vivo. <i>BMC Immunology</i> , 2007, 8, 31.	2.2	59
42	Capsaicin-sensitive sensory nerves exert complex regulatory functions in the serum-transfer mouse model of autoimmune arthritis. <i>Brain, Behavior, and Immunity</i> , 2015, 45, 50-59.	4.1	59
43	Tyrosine kinase signaling pathways in neutrophils. <i>Immunological Reviews</i> , 2016, 273, 121-139.	6.0	56
44	MASP-1 Induces a Unique Cytokine Pattern in Endothelial Cells: A Novel Link between Complement System and Neutrophil Granulocytes. <i>PLoS ONE</i> , 2014, 9, e87104.	2.5	55
45	Osteoclast Signal Transduction During Bone Metastasis Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 507.	3.7	53
46	Resting Murine Neutrophils Express Functional β 4 Integrins that Signal Through Src Family Kinases. <i>Journal of Immunology</i> , 2001, 166, 4115-4123.	0.8	52
47	Differential Regulatory Role of Pituitary Adenylate Cyclase-Activating Polypeptide in the Serum-Transfer Arthritis Model. <i>Arthritis and Rheumatology</i> , 2014, 66, 2739-2750.	5.6	51
48	Differential effects of tyrosine kinase inhibitors and an inhibitor of the mitogen-activated protein kinase cascade on degranulation and superoxide production of human neutrophil granulocytes. <i>Biochemical Pharmacology</i> , 1997, 54, 781-789.	4.4	46
49	Extracellular vesicles regulate the human osteoclastogenesis: divergent roles in discrete inflammatory arthropathies. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3599-3611.	5.4	44
50	The Syk Tyrosine Kinase Is Required for Skin Inflammation in an In Vivo Mouse Model of Epidermolysis Bullosa Acquisita. <i>Journal of Investigative Dermatology</i> , 2017, 137, 2131-2139.	0.7	43
51	Neutrophil activation via beta2 integrins (CD11/CD18): molecular mechanisms and clinical implications. <i>Thrombosis and Haemostasis</i> , 2007, 98, 262-73.	3.4	41
52	A fundamental role of mAbp1 in neutrophils: impact on β 2 integrin-mediated phagocytosis and adhesion in vivo. <i>Blood</i> , 2009, 114, 4209-4220.	1.4	40
53	Neutrophil Functions and Autoimmune Arthritis in the Absence of p190RhoGAP: Generation and Analysis of a Novel Null Mutation in Mice. <i>Journal of Immunology</i> , 2010, 185, 3064-3075.	0.8	37
54	Responses of Neutrophils to Anti-Integrin Antibodies Depends on Costimulation through Low Affinity Fc γ Rs: Full Activation Requires Both Integrin and Nonintegrin Signals. <i>Journal of Immunology</i> , 2004, 173, 2068-2077.	0.8	36

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55	Myeloid-Specific Deletion of Mcl-1 Yields Severely Neutropenic Mice That Survive and Breed in Homozygous Form. <i>Journal of Immunology</i> , 2018, 201, 3793-3803.	0.8	35
56	Phospholipase C β 2 is required for basal but not oestrogen deficiency-induced bone resorption. <i>European Journal of Clinical Investigation</i> , 2012, 42, 49-60.	3.4	34
57	Tyrosine Kinase Inhibitors for the Treatment of Rheumatoid Arthritis. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 760-773.	2.1	34
58	Nicotinic acetylcholine receptors modulate osteoclastogenesis. <i>Arthritis Research and Therapy</i> , 2016, 18, 63.	3.5	32
59	Urine/Plasma Neutrophil Gelatinase Associated Lipocalin Ratio Is a Sensitive and Specific Marker of Subclinical Acute Kidney Injury in Mice. <i>PLoS ONE</i> , 2016, 11, e0148043.	2.5	30
60	The Phosphoinositide 3-Kinase Isoform PI3K δ Regulates Osteoclast-Mediated Bone Resorption in Humans and Mice. <i>Arthritis and Rheumatology</i> , 2014, 66, 2210-2221.	5.6	29
61	Neutrophils in animal models of autoimmune disease. <i>Seminars in Immunology</i> , 2016, 28, 174-186.	5.6	29
62	Analgesic and Anti-Inflammatory Effects of the Novel Semicarbazide-Sensitive Amine-Oxidase Inhibitor SzV-1287 in Chronic Arthritis Models of the Mouse. <i>Scientific Reports</i> , 2017, 7, 39863.	3.3	29
63	The Effects of Dasatinib in Experimental Acute Respiratory Distress Syndrome Depend on Dose and Etiology. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 1644-1658.	1.6	26
64	Reply to "Neutrophils are not required for resolution of acute gouty arthritis in mice". <i>Nature Medicine</i> , 2016, 22, 1384-1386.	30.7	25
65	Lineage-Specific Analysis of Syk Function in Autoantibody-Induced Arthritis. <i>Frontiers in Immunology</i> , 2018, 9, 555.	4.8	23
66	Role of Mac-1 Integrin in generation of extracellular vesicles with antibacterial capacity from neutrophilic granulocytes. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1698889.	12.2	23
67	Exocytosis of neutrophil granulocytes. <i>Biochemical Pharmacology</i> , 1999, 57, 1209-1214.	4.4	22
68	The Yin and Yang of Tyrosine Kinase Inhibition During Experimental Polymicrobial Sepsis. <i>Frontiers in Immunology</i> , 2018, 9, 901.	4.8	22
69	Complement receptor 3 mediates both sinking phagocytosis and phagocytic cup formation via distinct mechanisms. <i>Journal of Biological Chemistry</i> , 2021, 296, 100256.	3.4	22
70	Hematopoietic or Osteoclast-Specific Deletion of Syk Leads to Increased Bone Mass in Experimental Mice. <i>Frontiers in Immunology</i> , 2019, 10, 937.	4.8	21
71	Phosphoinositide 3-OH Kinase Regulates Integrin-Dependent Processes in Neutrophils by Signaling through Its Effector ARAP3. <i>Journal of Immunology</i> , 2013, 190, 381-391.	0.8	19
72	Analgesic effects of the novel semicarbazide-sensitive amine oxidase inhibitor SZV 1287 in mouse pain models with neuropathic mechanisms: Involvement of transient receptor potential vanilloid 1 and ankyrin 1 receptors. <i>Pharmacological Research</i> , 2018, 131, 231-243.	7.1	19

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73	Different Calcium and Src Family Kinase Signaling in Mac-1 Dependent Phagocytosis and Extracellular Vesicle Generation. <i>Frontiers in Immunology</i> , 2019, 10, 2942.	4.8	19
74	Lack of Galanin 3 Receptor Aggravates Murine Autoimmune Arthritis. <i>Journal of Molecular Neuroscience</i> , 2016, 59, 260-269.	2.3	16
75	Circadian regulation of neutrophils: Control by a cell-autonomous clock or systemic factors?. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12965.	3.4	15
76	In Vivo Functions of Mouse Neutrophils Derived from HoxB8-Transduced Conditionally Immortalized Myeloid Progenitors. <i>Journal of Immunology</i> , 2021, 206, 432-445.	0.8	15
77	Hydrophobic cyanine dye-doped micelles for optical in vivo imaging of plasma leakage and vascular disruption. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	2.6	14
78	Src family kinase-mediated vesicle trafficking is critical for neutrophil basement membrane penetration. <i>Haematologica</i> , 2020, 105, 1845-1856.	3.5	14
79	TRPA1 Ion Channel Determines Beneficial and Detrimental Effects of GYY4137 in Murine Serum-Transfer Arthritis. <i>Frontiers in Pharmacology</i> , 2019, 10, 964.	3.5	13
80	Importance of Fc Receptor β -Chain ITAM Tyrosines in Neutrophil Activation and in vivo Autoimmune Arthritis. <i>Frontiers in Immunology</i> , 2019, 10, 252.	4.8	10
81	Targeting Vascular Endothelial Growth Factor Receptor 2 and Protein Kinase D1 Related Pathways by a Multiple Kinase Inhibitor in Angiogenesis and Inflammation Related Processes In Vitro. <i>PLoS ONE</i> , 2015, 10, e0124234.	2.5	7
82	VISTA deficiency protects from immune complex-mediated glomerulonephritis by inhibiting neutrophil activation. <i>Journal of Autoimmunity</i> , 2020, 113, 102501.	6.5	6
83	Neutrophil Phospholipase $\text{C}\beta$ 2 Drives Autoantibody-Induced Arthritis Through the Generation of the Inflammatory Microenvironment. <i>Arthritis and Rheumatology</i> , 2021, 73, 1614-1625.	5.6	6
84	Hemokinin-1 as a Mediator of Arthritis-Related Pain via Direct Activation of Primary Sensory Neurons. <i>Frontiers in Pharmacology</i> , 2020, 11, 594479.	3.5	5
85	Signaling through Syk or CARD9 Mediates Species-Specific Anti- <i>Candida</i> Protection in Bone Marrow Chimeric Mice. <i>MBio</i> , 2021, 12, e0160821.	4.1	5
86	Phospholipase $\text{C}\beta$ 2 Is Essential for Experimental Models of Epidermolysis Bullosa Acquisita. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1114-1125.	0.7	5
87	Fluorescence-Based Real-Time Analysis of Osteoclast Development. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 657935.	3.7	3
88	Siglec-H-Deficient Mice Show Enhanced Type I IFN Responses, but Do Not Develop Autoimmunity After Influenza or LCMV Infections. <i>Frontiers in Immunology</i> , 2021, 12, 698420.	4.8	3
89	A New Zebrafish Model for Pseudoxanthoma Elasticum. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 628699.	3.7	2
90	Investigation of the Role of the TRPA1 Ion Channel in Conveying the Effect of Dimethyl Trisulfide on Vascular and Histological Changes in Serum-Transfer Arthritis. <i>Pharmaceuticals</i> , 2022, 15, 671.	3.8	2

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91	Research update for articles published in EJCI in 2012. European Journal of Clinical Investigation, 2014, 44, 1010-1023.	3.4	1
92	Subantimicrobial Dose Doxycycline Worsens Chronic Arthritis-Induced Bone Microarchitectural Alterations in a Mouse Model: Role of Matrix Metalloproteinases?. Frontiers in Pharmacology, 2019, 10, 233.	3.5	1
93	Capsaicin-Sensitive Peptidergic Sensory Nerves Are Anti-Inflammatory Gatekeepers in the Hyperacute Phase of a Mouse Rheumatoid Arthritis Model. International Journal of Molecular Sciences, 2021, 22, 1682.	4.1	1
94	Osteoclasts in Inflammation. , 2016, , 1047-1053.		1
95	08.06â€¦Circulating exosomes play a role in the regulation of human in vitro osteoclastogenesis. , 2017, , .		0
96	Critical role of phospholipase CÎ²2 in integrin and Fc receptor-mediated neutrophil functions and the effector phase of autoimmune arthritis. Journal of Cell Biology, 2009, 184, i15-i15.	5.2	0
97	Osteoclasts in Inflammation. , 2013, , 1-7.		0
98	Complement receptor 3 mediates both sinking phagocytosis and phagocytic cup formation via distinct mechanisms. Journal of Biological Chemistry, 2021, , .	3.4	0