

Zsuzsa Bajtay

List of Publications by Year in descending order

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43
papers

1,196
citations

430874

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docs citations

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times ranked

1727
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of CR3 (CD11b/CD18) and CR4 (CD11c/CD18) in complement-mediated phagocytosis and podosome formation by human phagocytes. <i>Immunology Letters</i> , 2017, 189, 64-72.	2.5	99
2	Cutting Edge: Productive HIV-1 Infection of Dendritic Cells via Complement Receptor Type 3 (CR3). <i>J Biol Chem</i> , 2008, 283, 10710-10715.	10.8	87
3	Complement Receptor Type 1 (CD35) Mediates Inhibitory Signals in Human B Lymphocytes. <i>Journal of Immunology</i> , 2002, 168, 2782-2788.	0.8	85
4	Complement protein C1q induces maturation of human dendritic cells. <i>Molecular Immunology</i> , 2007, 44, 3389-3397.	2.2	76
5	Expression and role of CR1 and CR2 on B and T lymphocytes under physiological and autoimmune conditions. <i>Molecular Immunology</i> , 2009, 46, 2767-2773.	2.2	76
6	CD11c/CD18 Dominates Adhesion of Human Monocytes, Macrophages and Dendritic Cells over CD11b/CD18. <i>PLoS ONE</i> , 2016, 11, e0163120.	2.5	72
7	Expression and role of Fc- and complement-receptors on human dendritic cells. <i>Immunology Letters</i> , 2006, 104, 46-52.	2.5	65
8	Non-identical twins: Different faces of CR3 and CR4 in myeloid and lymphoid cells of mice and men. <i>Seminars in Cell and Developmental Biology</i> , 2019, 85, 110-121.	5.0	64
9	C5a and C5adesArg Enhance the Susceptibility of Monocyte-Derived Macrophages to HIV Infection. <i>Journal of Immunology</i> , 2001, 166, 3410-3415.	0.8	48
10	B lymphocytes and macrophages release cell membrane deposited C3-fragments on exosomes with T cell response-enhancing capacity. <i>Molecular Immunology</i> , 2008, 45, 2343-2351.	2.2	44
11	The versatile functions of complement C3-derived ligands. <i>Immunological Reviews</i> , 2016, 274, 127-140.	6.0	34
12	CR3 is the dominant phagocytotic complement receptor on human dendritic cells. <i>Immunobiology</i> , 2013, 218, 652-663.	1.9	32
13	Secreted aspartic protease 2 of <i>Candida albicans</i> inactivates factor H and the macrophage factor H-receptors CR3 (CD11b/CD18) and CR4 (CD11c/CD18). <i>Immunology Letters</i> , 2015, 168, 13-21.	2.5	32
14	Single Cell Adhesion Assay Using Computer Controlled Micropipette. <i>PLoS ONE</i> , 2014, 9, e111450.	2.5	30
15	In-situ and label-free optical monitoring of the adhesion and spreading of primary monocytes isolated from human blood: Dependence on serum concentration levels. <i>Biosensors and Bioelectronics</i> , 2014, 54, 339-344.	10.1	30
16	Functional Characterization of Secreted Aspartyl Proteases in <i>Candida parapsilosis</i> . <i>MSphere</i> , 2019, 4, .	2.9	29
17	Mannan-binding lectin and C1q bind to distinct structures and exert differential effects on macrophages. <i>European Journal of Immunology</i> , 2000, 30, 1706-1713.	2.9	27
18	New aspects in the regulation of human B cell functions by complement receptors CR1, CR2, CR3 and CR4. <i>Immunology Letters</i> , 2021, 237, 42-57.	2.5	23

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19	The differential role of CR3 (CD11b/CD18) and CR4 (CD11c/CD18) in the adherence, migration and podosome formation of human macrophages and dendritic cells under inflammatory conditions. <i>PLoS ONE</i> , 2020, 15, e0232432.	2.5	21
20	Revisiting the Coreceptor Function of Complement Receptor Type 2 (CR2, CD21); Coengagement With the B-Cell Receptor Inhibits the Activation, Proliferation, and Antibody Production of Human B Cells. <i>Frontiers in Immunology</i> , 2021, 12, 620427.	4.8	21
21	Utilization of complement receptors in immune cell-microbe interaction. <i>FEBS Letters</i> , 2020, 594, 2695-2713.	2.8	19
22	A novel, complement-mediated way to enhance the interplay between macrophages, dendritic cells and T lymphocytes. <i>Molecular Immunology</i> , 2009, 47, 438-448.	2.2	17
23	Inhibition of IgE-mediated triggering of mast cells by complement-derived peptides interacting with the Fc μ RI. <i>Immunology Letters</i> , 1999, 68, 79-82.	2.5	15
24	Human T cell derived, cell-bound complement iC3b is integrally involved in T cell activation. <i>Immunology Letters</i> , 2012, 143, 131-136.	2.5	15
25	Adhesion kinetics of human primary monocytes, dendritic cells, and macrophages: Dynamic cell adhesion measurements with a label-free optical biosensor and their comparison with end-point assays. <i>Biointerphases</i> , 2016, 11, 031001.	1.6	15
26	Activated Human Memory B Lymphocytes Use CR4 (CD11c/CD18) for Adhesion, Migration, and Proliferation. <i>Frontiers in Immunology</i> , 2020, 11, 565458.	4.8	14
27	Automated single cell sorting and deposition in submicroliter drops. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	13
28	Mucosal type mast cells express complement receptor type 2 (CD21). <i>Immunology Letters</i> , 2002, 82, 29-34.	2.5	12
29	Functional studies of chronic lymphocytic leukemia B cells expressing β 2-integrin type complement receptors CR3 and CR4. <i>Immunology Letters</i> , 2017, 189, 73-81.	2.5	12
30	Set a thief to catch a thief: Self-reactive innate lymphocytes and self tolerance. <i>Autoimmunity Reviews</i> , 2008, 7, 278-283.	5.8	11
31	Application of Fluorescent Monocytes for Probing Immune Complexes on Antigen Microarrays. <i>PLoS ONE</i> , 2013, 8, e72401.	2.5	10
32	Conserved and Distinct Elements of Phagocytosis in Human and <i>C. elegans</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 8934.	4.1	10
33	Impact of molecular mimicry on the clinical course and outcome of sepsis syndrome. <i>Molecular Immunology</i> , 2011, 49, 512-517.	2.2	8
34	The nucleoside diphosphate kinase NDK α 1/NME1 promotes phagocytosis in concert with DYN α 1/Dynamin. <i>FASEB Journal</i> , 2019, 33, 11606-11614.	0.5	8
35	Natural Compounds as Target Biomolecules in Cellular Adhesion and Migration: From Biomolecular Stimulation to Label-Free Discovery and Bioactivity-Based Isolation. <i>Biomedicines</i> , 2021, 9, 1781.	3.2	5
36	Functional cooperation of C3b-acceptors, Fc γ 3-receptors and cell-surface proteases on macrophages. <i>Immunology Letters</i> , 1985, 11, 141-146.	2.5	4

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37	HIV-1 induces human monocyte-derived macrophages to produce C3 and to fix C3 on their surface. <i>Journal of Leukocyte Biology</i> , 1998, 63, 463-468.	3.3	4
38	Mathematical analysis of clinical data reveals a homunculus of bacterial mimotopes protecting from autoimmunity via oral tolerance in human. <i>Molecular Immunology</i> , 2009, 46, 1673-1678.	2.2	4
39	Characterization of factor H-related cell membrane molecules expressed by human B lymphocytes and neutrophil granulocytes. <i>Immunology Letters</i> , 2001, 77, 55-62.	2.5	2
40	Biologia Futura: stories about the functions of β 2-integrins in human phagocytes. <i>Biologia Futura</i> , 2021, 72, 7-13.	1.4	2
41	BCR activated CLL B cells use both CR3 (CD11b/CD18) and CR4 (CD11c/CD18) for adhesion while CR4 has a dominant role in migration towards SDF-1. <i>PLoS ONE</i> , 2021, 16, e0254853.	2.5	1
42	Regulation of B-cell activation by complement receptors CR1 (CD35) and CR2 (CD21) – possible involvement in the pathogenesis of autoimmune diseases. <i>Autoimmunity Reviews</i> , 2004, 3, 624-625.	5.8	0
43	Scientific memory from the early nineties; a common project with professors late János Gergely and Anna Erdei. <i>Biologia Futura</i> , 2021, 72, 3-5.	1.4	0