

# Akiko Shiratsuchi

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6133572/akiko-shiratsuchi-publications-by-citations.pdf>

**Version:** 2024-04-25

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.

67  
papers

2,705  
citations

28  
h-index

51  
g-index

70  
ext. papers

2,929  
ext. citations

4.5  
avg, IF

4.53  
L-index

#	Paper	IF	Citations
67	Glycogen synthase kinase 3 beta is identical to tau protein kinase I generating several epitopes of paired helical filaments. <i>FEBS Letters</i> , <b>1993</b> , 325, 167-72	3.8	320
66	Evidence for phagocytosis of influenza virus-infected, apoptotic cells by neutrophils and macrophages in mice. <i>Journal of Immunology</i> , <b>2007</b> , 178, 2448-57	5.3	190
65	Draper-mediated and phosphatidylserine-independent phagocytosis of apoptotic cells by <i>Drosophila</i> hemocytes/macrophages. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 48466-76	5.4	146
64	Role of class B scavenger receptor type I in phagocytosis of apoptotic rat spermatogenic cells by Sertoli cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 5901-8	5.4	122
63	Phagocytic removal of apoptotic spermatogenic cells by Sertoli cells: mechanisms and consequences. <i>Biological and Pharmaceutical Bulletin</i> , <b>2004</b> , 27, 13-6	2.3	121
62	The Triacylated ATP Binding Cluster Transporter Substrate-binding Lipoprotein of <i>Staphylococcus aureus</i> Functions as a Native Ligand for Toll-like Receptor 2. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 8406-11	5.4	115
61	Recognition of phosphatidylserine on the surface of apoptotic spermatogenic cells and subsequent phagocytosis by Sertoli cells of the rat. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 2354-8	5.4	109
60	Inhibitory effect of Toll-like receptor 4 on fusion between phagosomes and endosomes/lysosomes in macrophages. <i>Journal of Immunology</i> , <b>2004</b> , 172, 2039-47	5.3	93
59	Phosphatidylserine binding of class B scavenger receptor type I, a phagocytosis receptor of testicular sertoli cells. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 27559-66	5.4	84
58	TLR2-mediated survival of <i>Staphylococcus aureus</i> in macrophages: a novel bacterial strategy against host innate immunity. <i>Journal of Immunology</i> , <b>2007</b> , 178, 4917-25	5.3	75
57	Essential role of phosphatidylserine externalization in apoptosing cell phagocytosis by macrophages. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 246, 549-55	3.4	67
56	Identification of lipoteichoic acid as a ligand for draper in the phagocytosis of <i>Staphylococcus aureus</i> by <i>Drosophila</i> hemocytes. <i>Journal of Immunology</i> , <b>2009</b> , 183, 7451-60	5.3	65
55	A novel brain-specific 25 kDa protein (p25) is phosphorylated by a Ser/Thr-Pro kinase (TPK II) from tau protein kinase fractions. <i>FEBS Letters</i> , <b>1991</b> , 289, 37-43	3.8	62
54	Inhibition of sperm production in mice by annexin V microinjected into seminiferous tubules: possible etiology of phagocytic clearance of apoptotic spermatogenic cells and male infertility. <i>Cell Death and Differentiation</i> , <b>2002</b> , 9, 742-9	12.7	60
53	Pretaporter, a <i>Drosophila</i> protein serving as a ligand for Draper in the phagocytosis of apoptotic cells. <i>EMBO Journal</i> , <b>2009</b> , 28, 3868-78	13	57
52	Induction of Apoptosis and Subsequent Phagocytosis of Virus-Infected Cells As an Antiviral Mechanism. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1220	8.4	53
51	Participation of nitric oxide reductase in survival of <i>Pseudomonas aeruginosa</i> in LPS-activated macrophages. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 355, 587-91	3.4	52

50	Identification of calreticulin as a marker for phagocytosis of apoptotic cells in <i>Drosophila</i> . <i>Experimental Cell Research</i> , <b>2007</b> , 313, 500-10	4.2	51
49	Independent recognition of <i>Staphylococcus aureus</i> by two receptors for phagocytosis in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 21663-72	5.4	48
48	In vivo analysis of phagocytosis of apoptotic cells by testicular Sertoli cells. <i>Molecular Reproduction and Development</i> , <b>2005</b> , 71, 166-77	2.6	46
47	Integrin $\beta$ 3/ $\alpha$ 5-mediated phagocytosis of apoptotic cells and bacteria in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 10374-80	5.4	45
46	Phosphatidylserine-mediated phagocytosis of influenza A virus-infected cells by mouse peritoneal macrophages. <i>Journal of Virology</i> , <b>2000</b> , 74, 9240-4	6.6	44
45	Protection of Insects against Viral Infection by Apoptosis-Dependent Phagocytosis. <i>Journal of Immunology</i> , <b>2015</b> , 195, 5696-706	5.3	43
44	Augmentation of fatality of influenza in mice by inhibition of phagocytosis. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 337, 881-6	3.4	37
43	Involvement of COX-1 and up-regulated prostaglandin E synthases in phosphatidylserine liposome-induced prostaglandin E2 production by microglia. <i>Journal of Neuroimmunology</i> , <b>2006</b> , 172, 112-20	3.5	35
42	Signalling pathway involving GULP, MAPK and Rac1 for SR-BI-induced phagocytosis of apoptotic cells. <i>Journal of Biochemistry</i> , <b>2009</b> , 145, 387-94	3.1	32
41	Role of phosphatidylserine exposure and sugar chain desialylation at the surface of influenza virus-infected cells in efficient phagocytosis by macrophages. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 18222-8	5.4	29
40	Impaired spermatogenesis and male fertility defects in <i>CIZ/Nmp4</i> -disrupted mice. <i>Genes To Cells</i> , <b>2004</b> , 9, 575-89	2.3	28
39	Inhibitory role for D-alanylation of wall teichoic acid in activation of insect Toll pathway by peptidoglycan of <i>Staphylococcus aureus</i> . <i>Journal of Immunology</i> , <b>2010</b> , 185, 2424-31	5.3	26
38	Involvement of mitogen-activated protein kinases in class B scavenger receptor type I-induced phagocytosis of apoptotic cells. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 1820-30	4.2	25
37	Independence of plasma membrane blebbing from other biochemical and biological characteristics of apoptotic cells. <i>Journal of Biochemistry</i> , <b>2002</b> , 132, 381-6	3.1	25
36	Distinct localization of lipid rafts and externalized phosphatidylserine at the surface of apoptotic cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 327, 94-9	3.4	22
35	Expression and function of class B scavenger receptor type I on both apical and basolateral sides of the plasma membrane of polarized testicular Sertoli cells of the rat. <i>Development Growth and Differentiation</i> , <b>2004</b> , 46, 283-98	3	22
34	93-kDa twin-domain serine protease inhibitor (Serpin) has a regulatory function on the beetle Toll proteolytic signaling cascade. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 35087-95	5.4	21
33	Inhibitory effect of N-palmitoylphosphatidylethanolamine on macrophage phagocytosis through inhibition of Rac1 and Cdc42. <i>Journal of Biochemistry</i> , <b>2009</b> , 145, 43-50	3.1	21

32	Stimulation of phagocytosis of influenza virus-infected cells through surface desialylation of macrophages by viral neuraminidase. <i>Microbiology and Immunology</i> , <b>2004</b> , 48, 875-81	2.7	21
31	Phagocytic removal of cells that have become unwanted: implications for animal development and tissue homeostasis. <i>Development Growth and Differentiation</i> , <b>2011</b> , 53, 149-60	3	19
30	Auxiliary role for D-alanylated wall teichoic acid in Toll-like receptor 2-mediated survival of <i>Staphylococcus aureus</i> in macrophages. <i>Immunology</i> , <b>2010</b> , 129, 268-77	7.8	19
29	Apoptosis-dependent externalization and involvement in apoptotic cell clearance of DmCaBP1, an endoplasmic reticulum protein of <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 3138-46	5.4	18
28	Difference in the way of macrophage recognition of target cells depending on their apoptotic states. <i>Cell Death and Differentiation</i> , <b>2001</b> , 8, 1113-22	12.7	16
27	Signaling pathway for phagocyte priming upon encounter with apoptotic cells. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 8059-8072	5.4	15
26	Concomitant induction of apoptosis and expression of monocyte chemoattractant protein-1 in cultured rat luteal cells by nuclear factor-kappaB and oxidative stress. <i>Development Growth and Differentiation</i> , <b>2003</b> , 45, 351-9	3	15
25	Structural change of ribosomes during apoptosis: degradation and externalization of ribosomal proteins in doxorubicin-treated Jurkat cells. <i>Journal of Biochemistry</i> , <b>2002</b> , 131, 485-93	3.1	15
24	Pattern recognition in phagocytic clearance of altered self. <i>Advances in Experimental Medicine and Biology</i> , <b>2009</b> , 653, 129-38	3.6	14
23	Bridging effect of recombinant human mannose-binding lectin in macrophage phagocytosis of <i>Escherichia coli</i> . <i>Immunology</i> , <b>2008</b> , 124, 575-83	7.8	14
22	Determination of cell type specificity and estrous cycle dependency of monocyte chemoattractant protein-1 expression in corpora lutea of normally cycling rats in relation to apoptosis and monocyte/macrophage accumulation. <i>Biology of Reproduction</i> , <b>2002</b> , 67, 1502-8	3.9	14
21	Involvement of cannabinoid receptor CB2 in dectin-1-mediated macrophage phagocytosis. <i>Immunology and Cell Biology</i> , <b>2008</b> , 86, 179-84	5	13
20	Externalization and recognition by macrophages of large subunit of eukaryotic translation initiation factor 3 in apoptotic cells. <i>Experimental Cell Research</i> , <b>2005</b> , 309, 137-48	4.2	13
19	Chymotrypsin-like activity of chicken liver multicatalytic proteinase resides in the smallest subunit. <i>BBA - Proteins and Proteomics</i> , <b>1990</b> , 1041, 269-72		11
18	Phosphatidylserine- and integrin-mediated phagocytosis of apoptotic luteal cells by macrophages of the rat. <i>Development Growth and Differentiation</i> , <b>2005</b> , 47, 153-61	3	10
17	Differences in the mode of phagocytosis of bacteria between macrophages and testicular Sertoli cells. <i>Drug Discoveries and Therapeutics</i> , <b>2013</b> , 7, 73-7	5	10
16	Involvement of EnvZ-OmpR two-component system in virulence control of <i>Escherichia coli</i> in <i>Drosophila melanogaster</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 438, 306-11	3.4	8
15	Isolation of a <i>Drosophila</i> gene coding for a protein containing a novel phosphatidylserine-binding motif. <i>Journal of Biochemistry</i> , <b>2005</b> , 137, 593-9	3.1	8

14	cDNA cloning of a novel brain-specific protein p25. <i>BBA - Proteins and Proteomics</i> , <b>1995</b> , 1251, 66-8		8
13	Mechanisms and Significance of Phagocytic Elimination of Cells Undergoing Apoptotic Death. <i>Biological and Pharmaceutical Bulletin</i> , <b>2017</b> , 40, 1819-1827	2.3	7
12	Selective expression of the scaffold protein JSAP1 in spermatogonia and spermatocytes. <i>Reproduction</i> , <b>2006</b> , 131, 711-9	3.8	6
11	A presumed human nuclear autoantigen that translocates to plasma membrane blebs during apoptosis. <i>Journal of Biochemistry</i> , <b>2003</b> , 133, 211-8	3.1	6
10	Protective effects of Phaseolus vulgaris lectin against viral infection in Drosophila. <i>Drug Discoveries and Therapeutics</i> , <b>2017</b> , 11, 329-335	5	5
9	Perturbation of spermatogenesis by androgen antagonists directly injected into seminiferous tubules of live mice. <i>Reproduction</i> , <b>2007</b> , 133, 21-7	3.8	5
8	Molecular cloning and the nucleotide sequence of the Clostridium thermocellum trpE gene. <i>Journal of Biochemistry</i> , <b>1989</b> , 105, 362-6	3.1	5
7	Nucleotide sequence of trpE, anthranilate synthase I gene, of Bacillus caldotenax. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1991</b> , 1090, 348-50		5
6	Role for B8 in prolonged survival of Escherichia coli in Drosophila melanogaster. <i>Journal of Immunology</i> , <b>2014</b> , 192, 666-75	5.3	4
5	Mechanisms and Consequences of Phagocytosis of Influenza Virus-Infected Cells. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , <b>2008</b> , 7, 97-100	2	3
4	Inhibition of Phagocytic Killing of Escherichia coli in Drosophila Hemocytes by RNA Chaperone Hfq. <i>Journal of Immunology</i> , <b>2016</b> , 197, 1298-307	5.3	2
3	Peptidoglycan recognition protein-triggered induction of Escherichia coli gene in Drosophila melanogaster. <i>Journal of Biochemistry</i> , <b>2015</b> , 157, 507-17	3.1	1
2	Characterization of Bacillus caldotenax anthranilate synthase I produced in Escherichia coli and identification of its essential arginine residue by site-directed mutagenesis. <i>Journal of Biochemistry</i> , <b>1992</b> , 112, 714-8	3.1	1
1	Role for phagocytosis in the prevention of neoplastic transformation in Drosophila. <i>Genes To Cells</i> , <b>2020</b> , 25, 675-684	2.3	1