

# Rajiv K Saxena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8218797/publications.pdf>

Version: 2024-02-01

68  
papers

1,290  
citations

430874

18  
h-index

395702

33  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1508  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced expression of CD47 during murine red blood cell (RBC) senescence and its role in RBC clearance from the circulation. <i>Transfusion</i> , 2007, 47, 1725-1732.	1.6	154
2	Defective T-cell response in beige mutant mice. <i>Nature</i> , 1982, 295, 240-241.	27.8	118
3	Influence of acid functionalization on the cardiopulmonary toxicity of carbon nanotubes and carbon black particles in mice. <i>Toxicology and Applied Pharmacology</i> , 2009, 239, 224-232.	2.8	97
4	Evidence for lipopolysaccharide-induced differentiation of RAW264.7 murine macrophage cell line into dendritic like cells. <i>Journal of Biosciences</i> , 2003, 28, 129-134.	1.1	81
5	Enhanced in vitro and in vivo toxicity of poly-dispersed acid-functionalized single-wall carbon nanotubes. <i>Nanotoxicology</i> , 2007, 1, 291-300.	3.0	79
6	Cytotoxic Effect of Poly-Dispersed Single Walled Carbon Nanotubes on Erythrocytes In Vitro and In Vivo. <i>PLoS ONE</i> , 2011, 6, e22032.	2.5	60
7	Voltage Gated Calcium Channels Negatively Regulate Protective Immunity to Mycobacterium tuberculosis. <i>PLoS ONE</i> , 2009, 4, e5305.	2.5	53
8	Detection of Mycobacterium tuberculosis Antigens in Urinary Proteins of Tuberculosis Patients. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2002, 21, 1-5.	2.9	30
9	Age-dependent increase in green autofluorescence of blood erythrocytes. <i>Journal of Biosciences</i> , 2007, 32, 1139-1145.	1.1	30
10	Assessment of survival of aging erythrocyte in circulation and attendant changes in size and CD147 expression by a novel two step biotinylation method. <i>Experimental Gerontology</i> , 2006, 41, 855-861.	2.8	28
11	Isolation and quantitative estimation of diesel exhaust and carbon black particles ingested by lung epithelial cells and alveolar macrophages in vitro. <i>BioTechniques</i> , 2008, 44, 799-805.	1.8	28
12	Interactions of polydispersed single-walled carbon nanotubes with T cells resulting in downregulation of allogeneic CTL responses in vitro and in vivo. <i>Nanotoxicology</i> , 2013, 7, 1351-1360.	3.0	28
13	A role of phosphatidylserine externalization in clearance of erythrocytes exposed to stress but not in eliminating aging populations of erythrocyte in mice. <i>Experimental Gerontology</i> , 2008, 43, 764-770.	2.8	27
14	Protective Immunity to Mycobacterium tuberculosis Infection by Chemokine and Cytokine Conditioned CFP-10 Differentiated Dendritic Cells. <i>PLoS ONE</i> , 2008, 3, e2869.	2.5	27
15	Effect of Diesel Exhaust Particulate on Bacillus Calmette-Guerin Lung Infection in Mice and Attendant Changes in Lung Interstitial Lymphoid Subpopulations and IFN $\gamma$ Response. <i>Toxicological Sciences</i> , 2003, 73, 66-71.	3.1	24
16	Early effect of Mycobacterium tuberculosis infection on Mac-1 and ICAM-1 expression on mouse peritoneal macrophages. <i>Experimental and Molecular Medicine</i> , 2004, 36, 387-395.	7.7	24
17	Selective loss of younger erythrocytes from blood circulation and changes in erythropoietic patterns in bone marrow and spleen in mouse anemia induced by poly-dispersed single-walled carbon nanotubes. <i>Nanotoxicology</i> , 2015, 9, 1032-1040.	3.0	21
18	Relative Efficacy of Uptake and Presentation of Mycobacterium bovis BCG Antigens by Type I Mouse Lung Epithelial Cells and Peritoneal Macrophages. <i>Infection and Immunity</i> , 2011, 79, 3159-3167.	2.2	20

#	ARTICLE	IF	CITATIONS
19	Elimination of Young Erythrocytes from Blood Circulation and Altered Erythropoietic Patterns during Paraquat Induced Anemic Phase in Mice. PLoS ONE, 2014, 9, e99364.	2.5	20
20	Lipid antigen presentation through CD1d pathway in mouse lung epithelial cells, macrophages and dendritic cells and its suppression by poly-dispersed single-walled carbon nanotubes. Toxicology in Vitro, 2015, 29, 1275-1282.	2.4	20
21	Murine model of BCG lung infection: Dynamics of lymphocyte subpopulations in lung interstitium and tracheal lymph nodes. Journal of Biosciences, 2002, 27, 143-153.	1.1	19
22	Therapeutic Potential, Challenges and Future Perspective of Cancer Stem Cells in Translational Oncology: A Critical Review. Current Stem Cell Research and Therapy, 2017, 12, 207-224.	1.3	19
23	Modulation of natural cytotoxicity by alloantibodies. Cellular Immunology, 1981, 63, 28-41.	3.0	18
24	Identification of organic fractions of diesel exhaust particulate (DEP) which inhibit nitric oxide (NO) production from a murine macrophage cell line. Toxicology Letters, 2003, 143, 317-322.	0.8	18
25	Loss of Proliferation and Antigen Presentation Activity following Internalization of Polydispersed Carbon Nanotubes by Primary Lung Epithelial Cells. PLoS ONE, 2012, 7, e31890.	2.5	18
26	A Double in vivo Biotinylation Technique for Objective Assessment of Aging and Clearance of Mouse Erythrocytes in Blood Circulation. Transfusion Medicine and Hemotherapy, 2012, 39, 335-341.	1.6	16
27	Evidence of CD1d pathway of lipid antigen presentation in mouse primary lung epithelial cells and its up-regulation upon Mycobacterium bovis BCG infection. PLoS ONE, 2018, 13, e0210116.	2.5	15
28	Preferential Elimination of Older Erythrocytes in Circulation and Depressed Bone Marrow Erythropoietic Activity Contribute to Cadmium Induced Anemia in Mice. PLoS ONE, 2015, 10, e0132697.	2.5	14
29	Elevated internalization and cytotoxicity of polydispersed single-walled carbon nanotubes in activated B cells can be basis for preferential depletion of activated B cells in vivo. Nanotoxicology, 2019, 13, 849-860.	3.0	13
30	Acid-functionalized single-walled carbon nanotubes alter epithelial tight junctions and enhance paracellular permeability. Journal of Biosciences, 2020, 45, 1.	1.1	13
31	Differential Pulmonary Retention of Diesel Exhaust Particles in Wistar Kyoto and Spontaneously Hypertensive Rats. Toxicological Sciences, 2009, 111, 392-401.	3.1	12
32	Antigenic epitopes on Mycobacterium tuberculosis recognized by antibodies in tuberculosis and mouse antisera. FEMS Microbiology Letters, 1991, 76, 7-12.	1.8	11
33	Lack of optimal activation of natural killer levels by interleukin-2 in rat spleen cells: Evidence for suppression. Cellular Immunology, 1989, 122, 548-554.	3.0	10
34	Uptake of poly-dispersed single-walled carbon nanotubes and decline of functions in mouse NK cells undergoing activation. Journal of Immunotoxicology, 2016, 13, 758-765.	1.7	10
35	A spleen cell derived factor imparts resistance to NK cell mediated lysis in a mouse lymphoma cell line. Immunology Letters, 1987, 15, 105-108.	2.5	9
36	Identification of Stages of Erythroid Differentiation in Bone Marrow and Erythrocyte Subpopulations in Blood Circulation that Are Preferentially Lost in Autoimmune Hemolytic Anemia in Mouse. PLoS ONE, 2016, 11, e0166878.	2.5	9

#	ARTICLE	IF	CITATIONS
37	Quantitative Assessment of Elemental Carbon In The Lungs of Never Smokers, Cigarette Smokers, and Coal Miners. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 706-715.	2.3	8
38	Enhanced antibody response to ovalbumin coupled to poly-dispersed acid functionalized single walled carbon nanotubes. <i>Immunology Letters</i> , 2020, 217, 77-83.	2.5	8
39	Role of interaction between Ly49 inhibitory receptors and cognate MHC I molecules in IL2-induced development of NK cells in murine bone marrow cell cultures. <i>Immunology Letters</i> , 2004, 94, 209-214.	2.5	7
40	Monoclonal Anti Thy 1.2 Antibodies from Hybridoma Ho13-4 do not React with Mouse Natural Killer Cells. <i>Immunological Investigations</i> , 1980, 9, 371-378.	0.8	6
41	Ontogeny of inhibitory receptors for MHC molecules on NK cells. <i>Trends in Immunology</i> , 1997, 18, 146.	7.5	6
42	Tumor specific boosting of IL-2 induced NK activation by paraformaldehyde fixed tumor cells. <i>Immunology Letters</i> , 1998, 63, 153-158.	2.5	6
43	Development and Validation of Method with Evaluation of Measurement Uncertainty for the Speciation Analysis of Chromium by Ion Chromatography. <i>Mapan - Journal of Metrology Society of India</i> , 2015, 30, 131-137.	1.5	6
44	Cytolytic activity of mitogen activated old and young mouse spleen cells against tumor target cells expressing high or low levels of Fas antigen. <i>Experimental and Molecular Medicine</i> , 1999, 31, 137-141.	7.7	5
45	Modulation of natural cytotoxicity by alloantibodies. <i>Cellular Immunology</i> , 1981, 65, 115-130.	3.0	4
46	Poly dispersed acid-functionalized single walled carbon nanotubes target activated T and B cells to suppress acute and chronic GVHD in mouse model. <i>Immunology Letters</i> , 2020, 224, 30-37.	2.5	4
47	Nanodiamonds inhibit scratch-wound repair in lung epithelial cell monolayers by blocking cell migration and inhibiting cell proliferation. <i>Toxicology Letters</i> , 2021, 341, 83-93.	0.8	4
48	Poly-dispersed Acid-Functionalized Single-Walled Carbon Nanotubes (AF-SWCNTs) Are Potent Inhibitor of BCG Induced Inflammatory Response in Macrophages. <i>Inflammation</i> , 2021, 44, 908-922.	3.8	4
49	Missing self by heterogeneous natural killer cells. <i>Journal of Biosciences</i> , 1997, 22, 3-12.	1.1	3
50	Should erythrocyte destruction in vivo be through phagocytosis alone?. <i>Journal of Biosciences</i> , 2000, 25, 3-5.	1.1	3
51	Identification and partial purification of a human natural killer cell proliferation-inducing factor. <i>Journal of Biosciences</i> , 1996, 21, 455-469.	1.1	2
52	Bcl-2 transfection protects Hut78 cell line from different types of cytotoxic effector cells. <i>Immunology Letters</i> , 1996, 52, 95-98.	2.5	2
53	Upregulation of KIR expression on murine bone marrow cells by paraformaldehyde fixed tumor cells. <i>Immunology Letters</i> , 2000, 70, 157-163.	2.5	2
54	In Vitro erythrocidal activity of activated spleen cells from young and old mice. <i>Experimental Gerontology</i> , 2000, 35, 409-416.	2.8	2

#	ARTICLE	IF	CITATIONS
55	Abrogation of tumor induced Ly49 expression on mouse spleen cells by Mitomycin C. Immunology Letters, 2001, 77, 73-77.	2.5	2
56	Natural Killer Cells Interaction with Carbon Nanoparticles. , 0, , .		2
57	Toxicity of poly-dispersed single-walled carbon nanotubes on bone marrow derived Hematopoietic Stem and Progenitor Cells. Current Research in Toxicology, 2021, 2, 82-92.	2.7	2
58	Effect of COVID-19 Infection on Menstruation: A Retrospective Study. Journal of SAFOG, 2022, 14, 161-165.	0.2	2
59	Necessity for interaction between adherent and non-adherent rat spleen cells for the generation of a suppressor factor of NK activation. Immunology Letters, 1990, 24, 93-96.	2.5	1
60	B-Cell Mitogenic Effect of Dinitrophenyl Derivative of Mycobacterium Tuberculosis Antigens. Cellular Immunology, 1993, 149, 422-432.	3.0	1
61	Species specificity of a novel factor which augments the expression of MHC class I antigens on tumor cell lines. Experimental and Molecular Medicine, 1997, 29, 129-132.	7.7	1
62	CpG-containing oligodeoxynucleotides as new generation adjuvants in DNA and protein vaccines. Journal of Biosciences, 1998, 23, 164-167.	1.1	1
63	A Double In Vivo Biotinylation Technique to Assess Erythrocyte Turnover in Blood Circulation. , 0, , .		1
64	Need of Alcohol Reference Materials and Reliable Measurement of Alcohol Content by Breath Alcohol Analyzer in India: An Overview. Mapan - Journal of Metrology Society of India, 2020, 35, 111-115.	1.5	1
65	Acid-functionalized single-walled carbon nanotubes alter epithelial tight junctions and enhance paracellular permeability. Journal of Biosciences, 2020, 45, .	1.1	1
66	Mechanism of interaction of pH 3.0 treated tumor cells expressing lower levels of class I MHC antigens, with IL-2 activated NK cells. Immunology Letters, 1997, 55, 167-171.	2.5	0
67	Binding of Autoantibodies and Apoptotic Response in Erythroid Cells in the Mouse Model of Autoimmune Hemolytic Anemia. Hematology & Transfusion International Journal, 2017, 5, .	0.1	0
68	Phosphatidyl serine externalization in different age groups of mouse erythrocytes in response to agents that induce anemia. Hematology & Transfusion International Journal, 2018, 6, .	0.1	0