

Sergei A Nedospasov

List of Publications by Year in descending order

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89
papers

6,982
citations

61857

43
h-index

60497

81
g-index

89
all docs

89
docs citations

89
times ranked

10183
citing authors

#	ARTICLE	IF	CITATIONS
1	Nilotinib reduces muscle fibrosis in chronic muscle injury by promoting TNF-mediated apoptosis of fibro/adipogenic progenitors. <i>Nature Medicine</i> , 2015, 21, 786-794.	15.2	540
2	Stellate Cells, Hepatocytes, and Endothelial Cells Imprint the Kupffer Cell Identity on Monocytes Colonizing the Liver Macrophage Niche. <i>Immunity</i> , 2019, 51, 638-654.e9.	6.6	384
3	Tumor Necrosis Factor-induced Nonapoptotic Cell Death Requires Receptor-interacting Protein-mediated Cellular Reactive Oxygen Species Accumulation. <i>Journal of Biological Chemistry</i> , 2004, 279, 10822-10828.	1.6	368
4	A Lymphotoxin-Driven Pathway to Hepatocellular Carcinoma. <i>Cancer Cell</i> , 2009, 16, 295-308.	7.7	345
5	Mature Follicular Dendritic Cell Networks Depend on Expression of Lymphotoxin β_2 Receptor by Radioresistant Stromal Cells and of Lymphotoxin β_2 and Tumor Necrosis Factor by B Cells. <i>Journal of Experimental Medicine</i> , 1999, 189, 159-168.	4.2	294
6	Distinct and Nonredundant In Vivo Functions of TNF Produced by T Cells and Macrophages/Neutrophils. <i>Immunity</i> , 2005, 22, 93-104.	6.6	294
7	Highly Informative Typing of the Human TNF Locus Using Six Adjacent Polymorphic Markers. <i>Genomics</i> , 1993, 16, 180-186.	1.3	272
8	Tumour necrosis factor and lymphotoxin genes map close to H2D in the mouse major histocompatibility complex. <i>Nature</i> , 1987, 325, 265-267.	13.7	230
9	Nonredundant Function of Soluble LT β_3 Produced by Innate Lymphoid Cells in Intestinal Homeostasis. <i>Science</i> , 2013, 342, 1243-1246.	6.0	227
10	Crosstalk between the canonical NF- κ B and Notch signaling pathways inhibits Ppar β expression and promotes pancreatic cancer progression in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 4685-4699.	3.9	213
11	Distinct Role of Surface Lymphotoxin Expressed by B Cells in the Organization of Secondary Lymphoid Tissues. <i>Immunity</i> , 2002, 17, 239-250.	6.6	189
12	Inflammation-induced formation of fat-associated lymphoid clusters. <i>Nature Immunology</i> , 2015, 16, 819-828.	7.0	175
13	Macrophages induce AKT/ β -catenin-dependent Lgr5+ stem cell activation and hair follicle regeneration through TNF. <i>Nature Communications</i> , 2017, 8, 14091.	5.8	166
14	Lymphotoxin Beta Receptor Signaling in Intestinal Epithelial Cells Orchestrates Innate Immune Responses against Mucosal Bacterial Infection. <i>Immunity</i> , 2010, 32, 403-413.	6.6	144
15	Macrophage-derived tumor necrosis factor- β mediates diabetic renal injury. <i>Kidney International</i> , 2015, 88, 722-733.	2.6	143
16	TLR-signaling and proinflammatory cytokines as drivers of tumorigenesis. <i>Cytokine</i> , 2017, 89, 127-135.	1.4	140
17	Susceptibility Locus for IgA Deficiency and Common Variable Immunodeficiency in the HLA-DR3, -B8, -A1 Haplotypes. <i>Molecular Medicine</i> , 1998, 4, 72-86.	1.9	118
18	Prominent role for T cell-derived Tumour Necrosis Factor for sustained control of Mycobacterium tuberculosis infection. <i>Scientific Reports</i> , 2013, 3, 1809.	1.6	108

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19	Dissecting the role of lymphotoxin in lymphoid organs by conditional targeting. <i>Immunological Reviews</i> , 2003, 195, 106-116.	2.8	95
20	Commensal microbiota influence systemic autoimmune responses. <i>EMBO Journal</i> , 2015, 34, 466-474.	3.5	93
21	KLF4 in Macrophages Attenuates TNF $\hat{\pm}$ -Mediated Kidney Injury and Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1925-1938.	3.0	92
22	Cellular source and molecular form of TNF specify its distinct functions in organization of secondary lymphoid organs. <i>Blood</i> , 2010, 116, 3456-3464.	0.6	88
23	Intracellular Signals and Events Activated by Cytokines of the Tumor Necrosis Factor Superfamily: From Simple Paradigms to Complex Mechanisms. <i>International Review of Cytology</i> , 2006, 252, 129-161.	6.2	83
24	Novel tumor necrosis factor-knockout mice that lack Peyer's patches. <i>European Journal of Immunology</i> , 2005, 35, 1592-1600.	1.6	75
25	Distinct contributions of TNF and LT cytokines to the development of dendritic cells in vitro and their recruitment in vivo. <i>Blood</i> , 2003, 101, 1477-1483.	0.6	71
26	Physiological functions of tumor necrosis factor and the consequences of its pathologic overexpression or blockade: Mouse models. <i>Cytokine and Growth Factor Reviews</i> , 2008, 19, 231-244.	3.2	71
27	Mast-Cell-Derived TNF Amplifies CD8+ Dendritic Cell Functionality and CD8+ T Cell Priming. <i>Cell Reports</i> , 2015, 13, 399-411.	2.9	71
28	Intrinsic TNFR2 signaling in T regulatory cells provides protection in CNS autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13051-13056.	3.3	71
29	Cell-type $\hat{\pm}$ restricted anti-cytokine therapy: TNF inhibition from one pathogenic source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3006-3011.	3.3	68
30	Pathogenic and Protective Functions of TNF in Neuroinflammation Are Defined by Its Expression in T Lymphocytes and Myeloid Cells. <i>Journal of Immunology</i> , 2011, 187, 5660-5670.	0.4	67
31	T Cell-Derived Lymphotoxin Regulates Liver Regeneration. <i>Gastroenterology</i> , 2009, 136, 694-704.e4.	0.6	66
32	Non-redundant Functions of IL-6 Produced by Macrophages and Dendritic Cells in Allergic Airway Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 2718.	2.2	64
33	Lymphotoxin and TNF Produced by B Cells Are Dispensable for Maintenance of the Follicle-Associated Epithelium but Are Required for Development of Lymphoid Follicles in the Peyer $\hat{\pm}$ Patches. <i>Journal of Immunology</i> , 2004, 173, 86-91.	0.4	59
34	Therapeutically Targeting Tumor Necrosis Factor $\hat{\pm}$ /Sphingosine-1-Phosphate Signaling Corrects Myogenic Reactivity in Subarachnoid Hemorrhage. <i>Stroke</i> , 2015, 46, 2260-2270.	1.0	57
35	Basophil-derived tumor necrosis factor can enhance survival in a sepsis model in mice. <i>Nature Immunology</i> , 2019, 20, 129-140.	7.0	56
36	Directional mast cell degranulation of tumor necrosis factor into blood vessels primes neutrophil extravasation. <i>Immunity</i> , 2021, 54, 468-483.e5.	6.6	56

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37	Redundancy in Tumor Necrosis Factor (TNF) and Lymphotoxin (LT) Signaling In Vivo: Mice with Inactivation of the Entire TNF/LT Locus versus Single-Knockout Mice. <i>Molecular and Cellular Biology</i> , 2002, 22, 8626-8634.	1.1	55
38	The role of lymphotoxin in development and maintenance of secondary lymphoid tissues. <i>Cytokine and Growth Factor Reviews</i> , 2003, 14, 275-288.	3.2	54
39	TNF in Host Resistance to Tuberculosis Infection. <i>Current Directions in Autoimmunity</i> , 2010, 11, 157-179.	8.0	53
40	Genetic polymorphism of the human tumor necrosis factor region in insulin-dependent diabetes mellitus linkage disequilibrium of TNF α microsatellite alleles with HLA haplotypes. <i>Human Immunology</i> , 1995, 44, 70-79.	1.2	52
41	Structural Relationship of the Lipid A Acyl Groups to Activation of Murine Toll-Like Receptor 4 by Lipopolysaccharides from Pathogenic Strains of <i>Burkholderia mallei</i> , <i>Acinetobacter baumannii</i> , and <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Immunology</i> , 2015, 6, 595.	2.2	51
42	Competing Actions of Type 1 Angiotensin II Receptors Expressed on T Lymphocytes and Kidney Epithelium during Cisplatin-Induced AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2257-2264.	3.0	51
43	Constitutive smooth muscle tumour necrosis factor regulates microvascular myogenic responsiveness and systemic blood pressure. <i>Nature Communications</i> , 2017, 8, 14805.	5.8	47
44	TRAF2 Plays a Key, Nonredundant Role in LIGHT-Lymphotoxin β Receptor Signaling. <i>Molecular and Cellular Biology</i> , 2005, 25, 2130-2137.	1.1	46
45	Peyer patches are not required for acute graft-versus-host disease after myeloablative conditioning and murine allogeneic bone marrow transplantation. <i>Blood</i> , 2006, 107, 410-412.	0.6	46
46	Tristetraprolin expression by keratinocytes controls local and systemic inflammation. <i>JCI Insight</i> , 2017, 2, .	2.3	42
47	Distinct modes of TNF signaling through its two receptors in health and disease. <i>Journal of Leukocyte Biology</i> , 2020, 107, 893-905.	1.5	41
48	Conditional ablation of myeloid TNF increases lesion volume after experimental stroke in mice, possibly via altered ERK1/2 signaling. <i>Scientific Reports</i> , 2016, 6, 29291.	1.6	37
49	Novel Lymphotoxin Alpha (LT α) Knockout Mice with Unperturbed Tumor Necrosis Factor Expression: Reassessing LT α Biological Functions. <i>Molecular and Cellular Biology</i> , 2006, 26, 4214-4225.	1.1	36
50	VHH-Based Bispecific Antibodies Targeting Cytokine Production. <i>Frontiers in Immunology</i> , 2017, 8, 1073.	2.2	35
51	Engulfment of mast cell secretory granules on skin inflammation boosts dendritic cell migration and priming efficiency. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1849-1864.e4.	1.5	35
52	Cellular sources of pathogenic and protective TNF and experimental strategies based on utilization of TNF humanized mice. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 115-123.	3.2	34
53	TNF Neutralization Results in the Delay of Transplantable Tumor Growth and Reduced MDSC Accumulation. <i>Frontiers in Immunology</i> , 2016, 7, 147.	2.2	34
54	Accelerated thymic atrophy as a result of elevated homeostatic expression of the genes encoded by the TNF/lymphotoxin cytokine locus. <i>European Journal of Immunology</i> , 2009, 39, 2906-2915.	1.6	33

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55	Molecular control of tissue-specific expression at the mouse TNF locus. <i>European Journal of Immunology</i> , 1989, 19, 549-552.	1.6	32
56	Tumor necrosis factor, lymphotoxin and cancer. <i>IUBMB Life</i> , 2010, 62, 283-289.	1.5	31
57	Macrophages acquire a TNF-dependent inflammatory memory in allergic asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 2078-2090.	1.5	31
58	Control of Mycobacterial Infections in Mice Expressing Human Tumor Necrosis Factor (TNF) but Not Mouse TNF. <i>Infection and Immunity</i> , 2015, 83, 3612-3623.	1.0	30
59	Novel Biodegradable Polymeric Microparticles Facilitate Scarless Wound Healing by Promoting Re-epithelialization and Inhibiting Fibrosis. <i>Frontiers in Immunology</i> , 2018, 9, 2851.	2.2	30
60	Roles of Soluble and Membrane TNF and Related Ligands in Mycobacterial Infections: Effects of Selective and Non-selective TNF Inhibitors During Infection. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 187-201.	0.8	29
61	Lymphotoxin α receptor activation by lymphotoxin α_1 and LIGHT promotes tumor growth in an NF κ B-dependent manner. <i>International Journal of Cancer</i> , 2011, 128, 1363-1370.	2.3	27
62	Microsatellite, restriction fragment-length polymorphism, and sequence-specific oligonucleotide typing of the tumor necrosis factor region comparisons of the 4A0HW cell panel. <i>Human Immunology</i> , 1993, 38, 17-23.	1.2	26
63	Limited Role for Lymphotoxin α in the Host Immune Response to Mycobacterium tuberculosis. <i>Journal of Immunology</i> , 2010, 185, 4292-4301.	0.4	26
64	Perivascular Fibroblasts of the Developing Spleen Act as LT α 2-Dependent Precursors of Both T and B Zone Organizer Cells. <i>Cell Reports</i> , 2017, 21, 2500-2514.	2.9	26
65	Hypoacylated LPS from Foodborne Pathogen <i>Campylobacter jejuni</i> Induces Moderate TLR4-Mediated Inflammatory Response in Murine Macrophages. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 58.	1.8	25
66	Tumor Necrosis Factor/Sphingosine-1-Phosphate Signaling Augments Resistance Artery Myogenic Tone in Diabetes. <i>Diabetes</i> , 2016, 65, 1916-1928.	0.3	22
67	Can we design a better anti-cytokine therapy?. <i>Journal of Leukocyte Biology</i> , 2017, 102, 783-790.	1.5	21
68	Novel Anti-Cytokine Strategies for Prevention and Treatment of Respiratory Allergic Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 601842.	2.2	18
69	TNF- α in T lymphocytes attenuates renal injury and fibrosis during nephrotoxic nephritis. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F107-F116.	1.3	16
70	T cell-derived TNF down-regulates acute airway response to endotoxin. <i>European Journal of Immunology</i> , 2007, 37, 768-779.	1.6	13
71	Mouse models of severe asthma for evaluation of therapeutic cytokine targeting. <i>Immunology Letters</i> , 2019, 207, 73-83.	1.1	13
72	Conditional Ablation of Myeloid TNF Improves Functional Outcome and Decreases Lesion Size after Spinal Cord Injury in Mice. <i>Cells</i> , 2020, 9, 2407.	1.8	13

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73	Making anti-cytokine therapy more selective: Studies in mice. <i>Cytokine</i> , 2018, 101, 33-38.	1.4	12
74	Dual Role of TNF and LT β in Carcinogenesis as Implicated by Studies in Mice. <i>Cancers</i> , 2021, 13, 1775.	1.7	12
75	Modalities of Experimental TNF Blockade In Vivo: Mouse Models. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 421-431.	0.8	11
76	TNF hampers intestinal tissue repair in colitis by restricting IL-22 bioavailability. <i>Mucosal Immunology</i> , 2022, 15, 698-716.	2.7	10
77	Human cortactin as putative cancer antigen. <i>Oncogene</i> , 2000, 19, 5204-5207.	2.6	9
78	Comment on "Experimental Arthritis Triggers Periodontal Disease in Mice: Involvement of TNF- β and the Oral Microbiota". <i>Journal of Immunology</i> , 2012, 188, 4-5.	0.4	9
79	Fibroblasts upregulate expression of adhesion molecules and promote lymphocyte retention in 3D fibroin/gelatin scaffolds. <i>Bioactive Materials</i> , 2021, 6, 3449-3460.	8.6	8
80	Therapeutic Potential of Combining IL-6 and TNF Blockade in a Mouse Model of Allergic Asthma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3521.	1.8	8
81	Dynamic changes in chromatin conformation at the <sc>TNF</sc> transcription start site in <sc>T</sc> helper lymphocyte subsets. <i>European Journal of Immunology</i> , 2014, 44, 251-264.	1.6	7
82	Modulation of bioavailability of proinflammatory cytokines produced by myeloid cells. <i>Seminars in Arthritis and Rheumatism</i> , 2019, 49, S39-S42.	1.6	6
83	Serum Immunoproteomics Combined With Pathological Reassessment of Surgical Specimens Identifies TCP-1 γ Autoantibody as a Potential Biomarker in Thyroid Neoplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1206-E1215.	1.8	5
84	Effects of myeloid cell-restricted TNF inhibitors in vitro and in vivo. <i>Journal of Leukocyte Biology</i> , 2020, 107, 933-939.	1.5	5
85	Experimental Subarachnoid Hemorrhage Drives Catecholamine-Dependent Cardiac and Peripheral Microvascular Dysfunction. <i>Frontiers in Physiology</i> , 2020, 11, 402.	1.3	4
86	Current Perspectives on the Role of TNF in Hematopoiesis Using Mice With Humanization of TNF/LT System. <i>Frontiers in Immunology</i> , 2021, 12, 661900.	2.2	4
87	LT β , TNF, and ILC3 in Peyer's Patch Organogenesis. <i>Cells</i> , 2022, 11, 1970.	1.8	4
88	Properties of Fluorescent Far-Red Anti-TNF Nanobodies. <i>Antibodies</i> , 2018, 7, 43.	1.2	2
89	The structure of myeloid cell-specific TNF inhibitors affects their biological properties. <i>FEBS Letters</i> , 2020, 594, 3542-3550.	1.3	2