

Craig N Jenne

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

9,088
citations

76326

40
h-index

54911

84
g-index

87
all docs

87
docs citations

87
times ranked

14081
citing authors

#	ARTICLE	IF	CITATIONS
1	Infection-induced NETosis is a dynamic process involving neutrophil multitasking in vivo. <i>Nature Medicine</i> , 2012, 18, 1386-1393.	30.7	931
2	Immune surveillance by the liver. <i>Nature Immunology</i> , 2013, 14, 996-1006.	14.5	815
3	Intravascular Neutrophil Extracellular Traps Capture Bacteria from the Bloodstream during Sepsis. <i>Cell Host and Microbe</i> , 2012, 12, 324-333.	11.0	631
4	Immune Responses in the Liver. <i>Annual Review of Immunology</i> , 2018, 36, 247-277.	21.8	490
5	Platelets and neutrophil extracellular traps collaborate to promote intravascular coagulation during sepsis in mice. <i>Blood</i> , 2017, 129, 1357-1367.	1.4	472
6	Molecular mechanisms of NET formation and degradation revealed by intravital imaging in the liver vasculature. <i>Nature Communications</i> , 2015, 6, 6673.	12.8	453
7	Neutrophils Recruited to Sites of Infection Protect from Virus Challenge by Releasing Neutrophil Extracellular Traps. <i>Cell Host and Microbe</i> , 2013, 13, 169-180.	11.0	381
8	A dynamic spectrum of monocytes arising from the in situ reprogramming of CCR2+ monocytes at a site of sterile injury. <i>Journal of Experimental Medicine</i> , 2015, 212, 447-456.	8.5	367
9	Functional Innervation of Hepatic iNKT Cells Is Immunosuppressive Following Stroke. <i>Science</i> , 2011, 334, 101-105.	12.6	366
10	Nucleation of platelets with blood-borne pathogens on Kupffer cells precedes other innate immunity and contributes to bacterial clearance. <i>Nature Immunology</i> , 2013, 14, 785-792.	14.5	315
11	T-bet ^{hi} dependent S1P5 expression in NK cells promotes egress from lymph nodes and bone marrow. <i>Journal of Experimental Medicine</i> , 2009, 206, 2469-2481.	8.5	290
12	Platelets in inflammation and infection. <i>Platelets</i> , 2015, 26, 286-292.	2.3	217
13	The actin regulator coronin 1A is mutant in a thymic egress ^{hi} deficient mouse strain and in a patient with severe combined immunodeficiency. <i>Nature Immunology</i> , 2008, 9, 1307-1315.	14.5	213
14	Intrahepatic myeloid-cell aggregates enable local proliferation of CD8+ T cells and successful immunotherapy against chronic viral liver infection. <i>Nature Immunology</i> , 2013, 14, 574-583.	14.5	196
15	Patrolling Alveolar Macrophages Conceal Bacteria from the Immune System to Maintain Homeostasis. <i>Cell</i> , 2020, 183, 110-125.e11.	28.9	154
16	CRIg Functions as a Macrophage Pattern Recognition Receptor to Directly Bind and Capture Blood-Borne Gram-Positive Bacteria. <i>Cell Host and Microbe</i> , 2016, 20, 99-106.	11.0	153
17	Platelet-Neutrophil Interplay: Insights Into Neutrophil Extracellular Trap (NET)-Driven Coagulation in Infection. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 85.	2.4	135
18	Î±-Toxin Induces Platelet Aggregation and Liver Injury during <i>Staphylococcus aureus</i> Sepsis. <i>Cell Host and Microbe</i> , 2018, 24, 271-284.e3.	11.0	125

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19	Targeting inflammatory monocytes in sepsis-associated encephalopathy and long-term cognitive impairment. JCI Insight, 2018, 3, .	5.0	111
20	The sheep and cattle Peyer's patches as a site of B-cell development. Veterinary Research, 2006, 37, 401-415.	3.0	104
21	Platelets Promote Macrophage Polarization toward Pro-inflammatory Phenotype and Increase Survival of Septic Mice. Cell Reports, 2019, 28, 896-908.e5.	6.4	100
22	Neutrophils in viral infection. Cell and Tissue Research, 2018, 371, 505-516.	2.9	97
23	Macrophage galactose lectin is critical for Kupffer cells to clear aged platelets. Journal of Experimental Medicine, 2020, 217, .	8.5	88
24	Active Negative Pressure Peritoneal Therapy After Abbreviated Laparotomy. Annals of Surgery, 2015, 262, 38-46.	4.2	85
25	The Use of Spinning-Disk Confocal Microscopy for the Intravital Analysis of Platelet Dynamics in Response to Systemic and Local Inflammation. PLoS ONE, 2011, 6, e25109.	2.5	81
26	Integration of metabolic and inflammatory mediator profiles as a potential prognostic approach for septic shock in the intensive care unit. Critical Care, 2015, 19, 11.	5.8	79
27	CD45-Csk Phosphatase-Kinase Titration Uncouples Basal and Inducible T Cell Receptor Signaling during Thymic Development. Immunity, 2010, 32, 342-354.	14.3	78
28	Renal immune surveillance and dipeptidase-1 contribute to contrast-induced acute kidney injury. Journal of Clinical Investigation, 2018, 128, 2894-2913.	8.2	74
29	Role of platelets in neutrophil extracellular trap (NET) production and tissue injury. Seminars in Immunology, 2016, 28, 546-554.	5.6	71
30	Virus-Induced NETs are Critical Component of Host Defense or Pathogenic Mediator?. PLoS Pathogens, 2015, 11, e1004546.	4.7	64
31	Smac mimetics and oncolytic viruses synergize in driving anticancer T-cell responses through complementary mechanisms. Nature Communications, 2017, 8, 344.	12.8	61
32	Closed Or Open after Source Control Laparotomy for Severe Complicated Intra-Abdominal Sepsis (the Tj ETQq0 0 0 rgBT /Overlock 10 T 2018, 13, 26.	5.0	61
33	Sex-hormone-driven innate antibodies protect females and infants against EPEC infection. Nature Immunology, 2018, 19, 1100-1111.	14.5	58
34	Kupffer cells and activation of endothelial TLR4 coordinate neutrophil adhesion within liver sinusoids during endotoxemia. American Journal of Physiology - Renal Physiology, 2013, 305, G797-G806.	3.4	55
35	Platelets and coagulation in infection. Clinical and Translational Immunology, 2016, 5, e89.	3.8	54
36	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	14.5	53

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37	Vascular cell adhesion molecule 1 expression by biliary epithelium promotes persistence of inflammation by inhibiting effector T-cell apoptosis. <i>Hepatology</i> , 2014, 59, 1932-1943.	7.3	49
38	Association between the Cerebral Inflammatory and Matrix Metalloproteinase Responses after Severe Traumatic Brain Injury in Humans. <i>Journal of Neurotrauma</i> , 2013, 30, 1727-1736.	3.4	48
39	Inflammatory mediators in intra-abdominal sepsis or injury – a scoping review. <i>Critical Care</i> , 2015, 19, 373.	5.8	47
40	Rasgrp1 mutation increases naïve T-cell CD44 expression and drives mTOR-dependent accumulation of Helios+ T cells and autoantibodies. <i>ELife</i> , 2013, 2, e01020.	6.0	45
41	Development of metabolic and inflammatory mediator biomarker phenotyping for early diagnosis and triage of pediatric sepsis. <i>Critical Care</i> , 2015, 19, 320.	5.8	41
42	Transient von Willebrand factor-mediated platelet influx stimulates liver regeneration after partial hepatectomy in mice. <i>Liver International</i> , 2017, 37, 1731-1737.	3.9	39
43	Acetylsalicylic acid inhibits intravascular coagulation during <i>Staphylococcus aureus</i> -induced sepsis in mice. <i>Blood</i> , 2020, 135, 1281-1286.	1.4	39
44	A New Model of Sheep Ig Diversification: Shifting the Emphasis Toward Combinatorial Mechanisms and Away from Hypermutation. <i>Journal of Immunology</i> , 2003, 170, 3739-3750.	0.8	38
45	Neutrophils Recirculate through Lymph Nodes to Survey Tissues for Pathogens. <i>Journal of Immunology</i> , 2020, 204, 2552-2561.	0.8	36
46	Platelets as Modulators of Inflammation. <i>Seminars in Thrombosis and Hemostasis</i> , 2018, 44, 091-101.	2.7	35
47	Getting the invite list right: a discussion of sepsis severity scoring systems in severe complicated intra-abdominal sepsis and randomized trial inclusion criteria. <i>World Journal of Emergency Surgery</i> , 2018, 13, 17.	5.0	34
48	A Prospective Evaluation of the Temporal Matrix Metalloproteinase Response after Severe Traumatic Brain Injury in Humans. <i>Journal of Neurotrauma</i> , 2013, 30, 1717-1726.	3.4	33
49	Neutrophils: multitasking first responders of immunity and tissue homeostasis. <i>Cell and Tissue Research</i> , 2018, 371, 395-397.	2.9	33
50	Efficacy and safety of active negative pressure peritoneal therapy for reducing the systemic inflammatory response after damage control laparotomy (the Intra-peritoneal Vacuum Trial): study protocol for a randomized controlled trial. <i>Trials</i> , 2013, 14, 141.	1.6	32
51	Intraventricular Fibrinolysis with Tissue Plasminogen Activator is Associated with Transient Cerebrospinal Fluid Inflammation: A Randomized Controlled Trial. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1241-1248.	4.3	28
52	Prolonged Activation of Invariant Natural Killer T Cells and TH2-Skewed Immunity in Stroke Patients. <i>Frontiers in Neurology</i> , 2017, 8, 6.	2.4	28
53	Dipeptidase-1 governs renal inflammation during ischemia reperfusion injury. <i>Science Advances</i> , 2022, 8, eabm0142.	10.3	28
54	Targeted Fcγ3 Receptor (Fcγ3R)-mediated Clearance by a Biparatopic Bispecific Antibody. <i>Journal of Biological Chemistry</i> , 2017, 292, 4361-4370.	3.4	26

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55	Zinc finger protein Zfp335 is required for the formation of the naïve T cell compartment. <i>ELife</i> , 2014, 3, .	6.0	22
56	Platelet-Mediated NET Release Amplifies Coagulopathy and Drives Lung Pathology During Severe Influenza Infection. <i>Frontiers in Immunology</i> , 2021, 12, 772859.	4.8	22
57	Antibody repertoire development in the sheep. <i>Developmental and Comparative Immunology</i> , 2006, 30, 165-174.	2.3	20
58	Visualizing Oncolytic Virus-Host Interactions in Live Mice Using Intravital Microscopy. <i>Molecular Therapy - Oncolytics</i> , 2018, 10, 14-27.	4.4	20
59	Netting Liver Disease: Neutrophil Extracellular Traps in the Initiation and Exacerbation of Liver Pathology. <i>Seminars in Thrombosis and Hemostasis</i> , 2020, 46, 724-734.	2.7	20
60	The Prevalence, Risk, and Management of Methicillin-Resistant <i>Staphylococcus aureus</i> Infection in Diverse Populations across Canada: A Systematic Review. <i>Pathogens</i> , 2021, 10, 393.	2.8	20
61	Metabolomic and inflammatory mediator based biomarker profiling as a potential novel method to aid pediatric appendicitis identification. <i>PLoS ONE</i> , 2018, 13, e0193563.	2.5	19
62	NETs Tangle with HIV. <i>Cell Host and Microbe</i> , 2012, 12, 5-7.	11.0	15
63	Intravital Microscopy for Imaging the Tumor Microenvironment in Live Mice. <i>Methods in Molecular Biology</i> , 2016, 1458, 217-230.	0.9	15
64	Cytokines and Chemokines in Pediatric Appendicitis: A Multiplex Analysis of Inflammatory Protein Mediators. <i>Mediators of Inflammation</i> , 2019, 2019, 1-13.	3.0	15
65	Optimization of In vivo Imaging Provides a First Look at Mouse Model of Non-Alcoholic Fatty Liver Disease (NAFLD) Using Intravital Microscopy. <i>Frontiers in Immunology</i> , 2019, 10, 2988.	4.8	15
66	Inhibition of immunothrombosis does not affect pathogen capture and does not promote bacterial dissemination in a mouse model of sepsis. <i>Platelets</i> , 2020, 31, 925-931.	2.3	15
67	Editorial: Platelets and Immune Responses During Thromboinflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1079.	4.8	15
68	Reduced immune responses to hepatitis B primary vaccination in obese individuals with nonalcoholic fatty liver disease (NAFLD). <i>Npj Vaccines</i> , 2021, 6, 9.	6.0	13
69	Biomarker Phenotype for Early Diagnosis and Triage of Sepsis to the Pediatric Intensive Care Unit. <i>Scientific Reports</i> , 2018, 8, 16606.	3.3	12
70	The Use of Metabolomics and Inflammatory Mediator Profiling Provides a Novel Approach to Identifying Pediatric Appendicitis in the Emergency Department. <i>Scientific Reports</i> , 2018, 8, 4083.	3.3	11
71	Tracking Cell Recruitment and Behavior within the Tumor Microenvironment Using Advanced Intravital Imaging Approaches. <i>Cells</i> , 2018, 7, 69.	4.1	11
72	Modulation of the liver immune microenvironment by the adeno-associated virus serotype 8 gene therapy vector. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 95-108.	4.1	10

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73	Pharmacokinetics and Pharmacodynamics of Tissue Plasminogen Activator Administered Through an External Ventricular Drain. <i>Neurocritical Care</i> , 2015, 23, 386-393.	2.4	9
74	Platelets: crossroads of immunity and hemostasis. <i>Blood</i> , 2014, 124, 671-672.	1.4	8
75	Platelets: bridging thrombosis and inflammation. <i>Platelets</i> , 2021, 32, 293-294.	2.3	7
76	The Lyme disease spirochete can hijack the host immune system for extravasation from the microvasculature. <i>Molecular Microbiology</i> , 2021, 116, 498-515.	2.5	7
77	High Mobility Group Box-1 Protein and Outcomes in Critically Ill Surgical Patients Requiring Open Abdominal Management. <i>Mediators of Inflammation</i> , 2017, 2017, 1-8.	3.0	6
78	Novel molecular biomarkers and diagnosis of acute appendicitis in children. <i>Biomarkers in Medicine</i> , 2021, 15, 1055-1065.	1.4	6
79	The Antidepressant Mirtazapine Rapidly Shifts Hepatic B Cell Populations and Functional Cytokine Signatures in the Mouse. <i>Frontiers in Immunology</i> , 2021, 12, 622537.	4.8	5
80	Neutrophils and cancer: guilt by association. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 381-382.	17.8	4
81	Editorial: Intravital Microscopy Imaging of Leukocytes. <i>Frontiers in Immunology</i> , 2020, 11, 2137.	4.8	3
82	Inflammatory Mediators in Intra-abdominal Sepsis. <i>Hot Topics in Acute Care Surgery and Trauma</i> , 2018, , 15-28.	0.1	2
83	Exploratory Evaluation of the Relationship Between iNKT Cells and Systemic Cytokine Profiles of Critically Ill Patients with Neurological Injury. <i>Neurocritical Care</i> , 2021, , 1.	2.4	1
84	Metabolomics and Inflammatory Mediator Profiling for the Differentiation of Life-Threatening and Non-Severe Appendicitis in the Pediatric Population. <i>Metabolites</i> , 2021, 11, 664.	2.9	1
85	Intravital Microscopy Techniques to Image Wound Healing in Mouse Skin. <i>Methods in Molecular Biology</i> , 2022, 2440, 165-180.	0.9	1
86	Elevated Plasma Levels of Cell-Free DNA During Liver Transplantation Are Associated With Activation of Coagulation. <i>Liver Transplantation</i> , 2019, 25, 180-181.	2.4	0