Jonathan S Reichner

List of Publications by Year
in descending order

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99 papers	5,284 citations	117625 34 h-index	88630 70 g-index
102 all docs	102 docs citations	102 times ranked	8609 citing authors

#	Article	IF	Citations
1	Traction Force Microscopy of Human Neutrophils During Critical Illness. FASEB Journal, 2021, 35, .	0.5	0
2	Mechanosensing of Substrate Stiffness Regulates Effector Functions of Human Neutrophils. FASEB Journal, 2021, 35, .	0.5	0
3	Epifluorescence-based three-dimensional traction force microscopy. Scientific Reports, 2020, 10, 16599.	3.3	21
4	Context-Dependent Role of Vinculin in Neutrophil Adhesion, Motility and Trafficking. Scientific Reports, 2020, 10, 2142.	3.3	17
5	Neutrophil extracellular traps, B cells, and type I interferons contribute to immune dysregulation in hidradenitis suppurativa. Science Translational Medicine, 2019, 11, .	12.4	111
6	PAD4 Deficiency Leads to Decreased Organ Dysfunction and Improved Survival in a Dual Insult Model of Hemorrhagic Shock and Sepsis. Journal of Immunology, 2018, 200, 1817-1828.	0.8	78
7	Leukadherin-1 ameliorates endothelial barrier damage mediated by neutrophils from critically ill patients. Journal of Intensive Care, 2018, 6, 19.	2.9	12
8	Vinculin in Neutrophil Adhesion, Motility and Trafficking. FASEB Journal, 2018, 32, 280.11.	0.5	1
9	Consequences of extracellular trap formation in sepsis. Current Opinion in Hematology, 2017, 24, 66-71.	2.5	68
10	Integrin Cross-Talk Regulates the Human Neutrophil Response to Fungal Î²-Glucan in the Context of the Extracellular Matrix: A Prominent Role for VLA3 in the Antifungal Response. Journal of Immunology, 2017, 198, 318-334.	0.8	17
11	Cl-Amidine Prevents Histone 3 Citrullination and Neutrophil Extracellular Trap Formation, and Improves Survival in a Murine Sepsis Model. Journal of Innate Immunity, 2017, 9, 22-32.	3.8	118
12	CD11b activation suppresses TLR-dependent inflammation and autoimmunity in systemic lupus erythematosus. Journal of Clinical Investigation, 2017, 127, 1271-1283.	8.2	100
13	Neutrophil Integrins and Matrix Ligands and NET Release. Frontiers in Immunology, 2016, 7, 363.	4.8	27
14	Mean deformation metrics for quantifying 3D cellâ€“matrix interactions without requiring information about matrix material properties. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2898-2903.	7.1	60
15	NETosis in Neonates: Evidence of a Reactive Oxygen Speciesâ€“Independent Pathway in Response to Fungal Challenge. Journal of Infectious Diseases, 2016, 213, 634-639.	4.0	34
16	Describing Directional Cell Migration with a Characteristic Directionality Time. PLoS ONE, 2015, 10, e0127425.	2.5	25
17	Matrix Confinement Plays a Pivotal Role in Regulating Neutrophil-generated Tractions, Speed, and Integrin Utilization. Journal of Biological Chemistry, 2015, 290, 3752-3763.	3.4	36
18	Mechanoregulation of Human Neutrophil Host Defense and Survival. FASEB Journal, 2015, 29, 505.1.	0.5	0

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19	Integrin Crosstalk Regulation of Human Neutrophils Adhered to Fibronectin and Betaâ€glucan. FASEB Journal, 2015, 29, 925.2.	0.5	0
20	High Resolution, Large Deformation 3D Traction Force Microscopy. PLoS ONE, 2014, 9, e90976.	2.5	71
21	The G Protein-Coupled Estrogen Receptor-1, GPER-1, Promotes Fibrillogenesis via a Shc-Dependent Pathway Resulting in Anchorage-Independent Growth. Hormones and Cancer, 2014, 5, 390-404.	4.9	20
22	Technical Advance: Introducing a novel metric, directionality time, to quantify human neutrophil chemotaxis as a function of matrix composition and stiffness. Journal of Leukocyte Biology, 2014, 95, 993-1004.	3.3	14
23	Sepsis-Induced Potentiation of Peritoneal Macrophage Migration Is Mitigated by Programmed Cell Death Receptor-1 Gene Deficiency. Journal of Innate Immunity, 2014, 6, 325-338.	3.8	22
24	3D Neutrophil Tractions in Changing Microenvironments. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 147-154.	0.5	0
25	Role of GSK3 beta and ERK in the human neutrophil response to fungal betaâ€glucan (1046.5). FASEB Journal, 2014, 28, 1046.5.	0.5	0
26	Assessment of NETosis in patients with primary immunodeficiencies: evidence for a ROSâ€independent pathway (1046.6). FASEB Journal, 2014, 28, 1046.6.	0.5	0
27	An Extracellular Matrixâ€“Based Mechanism of Rapid Neutrophil Extracellular Trap Formation in Response toCandida albicans. Journal of Immunology, 2013, 190, 4136-4148.	0.8	281
28	Tollâ€like receptor 4 signaling regulates the acute local inflammatory response to injury and the fibrosis/neovascularization of sterile wounds. Wound Repair and Regeneration, 2013, 21, 624-633.	3.0	16
29	Neutrophils from critically ill septic patients mediate profound loss of endothelial barrier integrity. Critical Care, 2013, 17, R226.	5.8	72
30	Phosphoinositideâ€3â€kinase regulation of neutrophil mechanosensing is context dependent. FASEB Journal, 2013, 27, 650.1.	0.5	0
31	An extracellular matrixâ€based mechanism of rapid neutrophil extracellular trap formation in response to C. albicans. FASEB Journal, 2013, 27, 132.4.	0.5	1
32	Integrin Crosstalk Regulation of Human Neutrophils Adhered to Fibronectin and Betaâ€glucan. FASEB Journal, 2013, 27, 138.3.	0.5	0
33	Lectin Site Ligation of CR3 Induces Conformational Changes and Signaling. Journal of Biological Chemistry, 2012, 287, 3337-3348.	3.4	59
34	Recognition of Fungal Î²â€glucan by Human Neutrophil CR3 Results in Homotypic Aggregation and Neutrophil Extracellular Traps. FASEB Journal, 2012, 26, 276.3.	0.5	0
35	Effect of neutrophils from septic patients on endothelial barrier function. FASEB Journal, 2012, 26, lb488.	0.5	0
36	Mechanistic role for Î±3Î²1/CD151 and the neutrophilic fungal response to Î²â€Glucan. FASEB Journal, 2012, 26, 276.4.	0.5	0

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37	Improved Antimicrobial Host Defense in Mice following Poly-(1,6)-Î²- <scp>d</scp> -Glucopyranosyl-(1,3)-Î²- <scp>d</scp> -Glucopyranose Glucan Treatment by a Gender-Dependent Immune Mechanism. Vaccine Journal, 2011, 18, 2043-2049.	3.1	16
38	Signaling molecules differentiate single versus dual ligation of complement receptor 3. FASEB Journal, 2011, 25, lb325.	0.5	0
39	Broadband reflectance spectroscopy for establishing a quantitative metric of vascular leak using the Miles assay. Journal of Biomedical Optics, 2009, 14, 054012.	2.6	3
40	Endotoxin Alters Early Fetal Lung Morphogenesis. Journal of Surgical Research, 2009, 155, 225-230.	1.6	11
41	Disruption of Interleukin-1 Signaling Improves the Quality of Wound Healing. American Journal of Pathology, 2009, 174, 2129-2136.	3.8	102
42	Recombinant human activated protein C inhibits integrin-mediated neutrophil migration. Blood, 2009, 113, 4078-4085.	1.4	108
43	Neutrophil morphology and migration are affected by substrate elasticity. Blood, 2009, 114, 1387-1395.	1.4	169
44	The phenotype of murine wound macrophages. Journal of Leukocyte Biology, 2009, 87, 59-67.	3.3	371
45	NEUTROPHIL MIGRATION IS INFLUENCED BY SUBSTRATE STIFFNESS. FASEB Journal, 2009, 23, 929.6.	0.5	0
46	Î² 2 INTEGRIN COMPLEMENT RECEPTOR 3 (CR3, CD11b/CD18) REGULATION OF NEUTROPHIL FUNCTION. FASEB Journal, 2009, 23, 568.2.	0.5	0
47	The effects of betaâ€glucan treatment on endotoxin and sepsisâ€induced cytokine production. FASEB Journal, 2009, 23, 439.1.	0.5	2
48	The role of VAV guanine nucleotide exchange factor in Dectinâ€1 mediated phagocytosis. FASEB Journal, 2009, 23, 929.5.	0.5	0
49	Wound macrophage phenotype is independent of ILâ€4 receptorâ€alpha. FASEB Journal, 2009, 23, 235.10.	0.5	0
50	Prostaglandin E2 Suppresses Lipopolysaccharide-Stimulated IFN-Î² Production. Journal of Immunology, 2008, 180, 2125-2131.	0.8	79
51	Nonmuscle myosin heavy chain IIA mediates integrin LFA-1 de-adhesion during T lymphocyte migration. Journal of Experimental Medicine, 2008, 205, 993-993.	8.5	0
52	Use of Ly6G-specific monoclonal antibody to deplete neutrophils in mice. Journal of Leukocyte Biology, 2008, 83, 64-70.	3.3	913
53	Nonmuscle myosin heavy chain IIA mediates integrin LFA-1 de-adhesion during T lymphocyte migration. Journal of Experimental Medicine, 2008, 205, 195-205.	8.5	133
54	Nonmuscle myosin heavy chain IIA mediates integrin LFA-1 de-adhesion during T lymphocyte migration. Journal of Cell Biology, 2008, 180, i5-i5.	5.2	0

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55	Recombinant Activated Protein C Regulates Integrinâ€Mediated Neutrophil Migration. FASEB Journal, 2008, 22, 666.5.	0.5	0
56	The effect of betaâ€glucan pretreatment on TNF production in vivo. FASEB Journal, 2008, 22, 48.8.	0.5	0
57	Characterizing membrane clustering of the Î²2 integrin CR3 using fluorescence resonance energy transfer (FRET). FASEB Journal, 2008, 22, 1122.14.	0.5	0
58	Integrin Engagement Mediates the Human Polymorphonuclear Leukocyte Response to a Fungal Pathogen-Associated Molecular Pattern. Journal of Immunology, 2007, 178, 7276-7282.	0.8	25
59	The effect of PGG-Â-glucan on neutrophil chemotaxis in vivo. Journal of Leukocyte Biology, 2006, 79, 667-675.	3.3	44
60	Î²-Glucan Is a Fungal Determinant for Adhesion-Dependent Human Neutrophil Functions. Journal of Immunology, 2006, 177, 8667-8675.	0.8	70
61	Modulation of betaâ€glucanâ€stimulated respiratory burst in human PMNs by ECM interaction and activation of specific betaâ€1 integrins. FASEB Journal, 2006, 20, A1377.	0.5	0
62	MACROPHAGE ARGINASE REGULATION BY CCAAT/ENHANCER-BINDING PROTEIN ??. Shock, 2005, 23, 168-172.	2.1	41
63	Transcriptional regulation of TNF-Î± production in neutropenia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R409-R412.	1.8	11
64	Modulation of Macrophage Phenotype by Soluble Product(s) Released from Neutrophils. Journal of Immunology, 2005, 174, 2265-2272.	0.8	86
65	Determination of the Role of Hypoxia-Inducible Factor 1 in Wound Healing. Methods in Enzymology, 2004, 381, 527-538.	1.0	5
66	Antibodies Immobilized as Arrays to Profile Protein Post-translational Modifications in Mammalian Cells. Molecular and Cellular Proteomics, 2004, 3, 788-795.	3.8	55
67	The Lectin-Like Domain of Complement Receptor 3 Protects Endothelial Barrier Function from Activated Neutrophils. Journal of Immunology, 2004, 173, 1284-1291.	0.8	26
68	ÃŸ-glucan affects leukocyte navigation in a complex chemotactic gradient. Surgery, 2004, 136, 384-389.	1.9	26
69	Oxygen and the regulation of gene expression in wounds. Wound Repair and Regeneration, 2003, 11, 445-451.	3.0	39
70	Differential Effects of Macrophage Inflammatory Chemokine-2 and Keratinocyte-Derived Chemokine on Hemorrhage-Induced Neutrophil Priming for Lung Inflammation: Assessment by Adoptive Cells Transfer in Mice. Shock, 2003, 19, 358-365.	2.1	66
71	Bacterial Colonization and the Expression of Inducible Nitric Oxide Synthase in Murine Wounds. American Journal of Pathology, 2002, 161, 2143-2152.	3.8	29
72	Shock-Induced Neutrophil Mediated Priming for Acute Lung Injury in Mice. American Journal of Pathology, 2002, 161, 2283-2294.	3.8	139

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73	HIF-1 expression in healing wounds: HIF-1Î± induction in primary inflammatory cells by TNF-Î±. American Journal of Physiology - Cell Physiology, 2001, 281, C1971-C1977.	4.6	173
74	Receptor-mediated phagocytosis of rat macrophages is regulated differentially for opsonized particles and non-opsonized particles containing beta-glucan. Immunology, 2001, 104, 198-206.	4.4	26
75	Macrophage-Induced Neutrophil Apoptosis. Journal of Immunology, 2000, 165, 435-441.	0.8	143
76	Role of Macrophage-Derived Nitric Oxide in Target Cell Injury. , 2000, , 711-724.		4
77	Vestigial respiratory burst activity in wound macrophages. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R1587-R1594.	1.8	12
78	Molecular and Metabolic Evidence for the Restricted Expression of Inducible Nitric Oxide Synthase in Healing Wounds. American Journal of Pathology, 1999, 154, 1097-1104.	3.8	90
79	Acyl phosphatase activity of NO-inhibited glyceraldehyde-3-phosphate dehydrogenase (GAPDH): a potential mechanism for uncoupling glycolysis from ATP generation in NO-producing cells. Biochemical Journal, 1999, 341, 5-9.	3.7	21
80	Acyl phosphatase activity of NO-inhibited glyceraldehyde-3-phosphate dehydrogenase (GAPDH): a potential mechanism for uncoupling glycolysis from ATP generation in NO-producing cells. Biochemical Journal, 1999, 341, 5.	3.7	9
81	Macrophage phagocytosis of wound neutrophils. Journal of Leukocyte Biology, 1999, 65, 35-42.	3.3	104
82	Role of nitric oxide in mediation of macrophage cytotoxicity and apoptosis. , 1998, 17, 39-53.		160
83	Effect of IL-6 overexpression on the metastatic potential of rat hepatocellular carcinoma cells. Annals of Surgical Oncology, 1998, 5, 279-286.	1.5	19
84	Wound-Induced Tumor Progression. Archives of Surgery, 1998, 133, 383-9.	2.2	118
85	Highly Stoichiometric, Stable, and Specific Association of Integrin Î±3Î²1 with CD151 Provides a Major Link to Phosphatidylinositol 4-Kinase, and May Regulate Cell Migration. Molecular Biology of the Cell, 1998, 9, 2751-2765.	2.1	296
86	Recycling cell surface glycoproteins undergo limited oligosaccharide reprocessing in LEC1 mutant Chinese hamster ovary cells. Glycobiology, 1998, 8, 1173-1182.	2.5	4
87	Distinct arginase isoforms expressed in primary and transformed macrophages: regulation by oxygen tension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R775-R782.	1.8	82
88	Effects of Lambda-Carrageenan Induced Experimental Enterocolitis on Splenocyte Function and Nitric Oxide Production. Journal of Surgical Research, 1996, 66, 6-11.	1.6	27
89	NO is not sufficient to explain maximal cytotoxicity of tumoricidal macrophages against an NO-sensitive cell line. Journal of Leukocyte Biology, 1996, 60, 245-252.	3.3	18
90	Interleukin-6 Production by Rat Hepatocellular Carcinoma Cells Is Associated With Metastatic Potential but Not With Tumorigenicity. Archives of Surgery, 1996, 131, 360.	2.2	17

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91	Electron Transport Chain Activity in Normal and Activated Rat Macrophages. Journal of Surgical Research, 1995, 59, 636-643.	1.6	6
92	In Vitro Immune Responsiveness of Rats Lacking Active Dipeptidylpeptidase IV. Cellular Immunology, 1994, 158, 269-280.	3.0	17
93	The Ir-Thy-1 concept: A swan song. Immunologic Research, 1989, 8, 316-326.	2.9	2
94	[8] Glycosyltransferase probes. Methods in Enzymology, 1989, 179, 82-95.	1.0	37
95	Cell surface galactosyltransferase as a recognition molecule during development. Molecular and Cellular Biochemistry, 1986, 72, 141-51.	3.1	34
96	The Ir-Thy-1 concept: Continuing saga. Immunologic Research, 1986, 5, 79-88.	2.9	2
97	Preliminary Analysis of Primary and Secondary Anti-Thy-1 Responses Elicited by Immunization with Cell-Bound and Cell-Free Antigen. International Archives of Allergy and Immunology, 1984, 73, 263-268.	2.1	5
98	New Thy-1- and H-2-Congenic Strains of Mice and Their Application in Studies on the Mechanism of Anti-Thy-1.1 Response. Immunological Investigations, 1983, 12, 501-508.	0.8	3
99	The Search for H-2 Complementation Affecting the Anti-Thy-1 Response in Mice: A Progress Report. Immunological Investigations, 1981, 10, 523-531.	0.8	5