

Elzbieta Kolaczowska

List of Publications by Citations

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52
papers

4,862
citations

22
h-index

54
g-index

54
ext. papers

6,076
ext. citations

5.9
avg, IF

6.3
L-index

#	Paper	IF	Citations
52	Neutrophil recruitment and function in health and inflammation. <i>Nature Reviews Immunology</i> , 2013 , 13, 159-75	36.5	2840
51	Molecular mechanisms of NET formation and degradation revealed by intravital imaging in the liver vasculature. <i>Nature Communications</i> , 2015 , 6, 6673	17.4	302
50	Platelets and neutrophil extracellular traps collaborate to promote intravascular coagulation during sepsis in mice. <i>Blood</i> , 2017 , 129, 1357-1367	2.2	292
49	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, 447-56	16.6	268
48	To NET or not to NET: current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019 , 26, 395-408	12.7	185
47	Imaging the dynamic platelet-neutrophil response in sterile liver injury and repair in mice. <i>Hepatology</i> , 2015 , 62, 1593-605	11.2	85
46	Patients with COVID-19: in the dark-NETs of neutrophils. <i>Cell Death and Differentiation</i> , 2021 , 28, 3125-3139	12.9	61
45	Expression profiles of matrix metalloproteinase 9 in teleost fish provide evidence for its active role in initiation and resolution of inflammation. <i>Immunology</i> , 2008 , 125, 601-10	7.8	54
44	Early vascular permeability in murine experimental peritonitis is co-mediated by resident peritoneal macrophages and mast cells: crucial involvement of macrophage-derived cysteinyl-leukotrienes. <i>Inflammation</i> , 2002 , 26, 61-71	5.1	53
43	Gelatinase B/matrix metalloproteinase-9 contributes to cellular infiltration in a murine model of zymosan peritonitis. <i>Immunobiology</i> , 2006 , 211, 137-48	3.4	46
42	Leptin stimulation of cell cycle and inhibition of apoptosis gene and protein expression in OVCAR-3 ovarian cancer cells. <i>Endocrine</i> , 2013 , 43, 394-403	4	44
41	Carp neutrophilic granulocytes form extracellular traps via ROS-dependent and independent pathways. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 1244-52	4.3	42
40	Gelatinase B/MMP-9 as an inflammatory marker enzyme in mouse zymosan peritonitis: comparison of phase-specific and cell-specific production by mast cells, macrophages and neutrophils. <i>Immunobiology</i> , 2008 , 213, 109-24	3.4	41
39	Role of lymphocytes in the course of murine zymosan-induced peritonitis. <i>Inflammation Research</i> , 2008 , 57, 272-8	7.2	37
38	Inflammatory macrophages, and not only neutrophils, die by apoptosis during acute peritonitis. <i>Immunobiology</i> , 2010 , 215, 492-504	3.4	35
37	Age is the work of art? Impact of neutrophil and organism age on neutrophil extracellular trap formation. <i>Cell and Tissue Research</i> , 2018 , 371, 473-488	4.2	29
36	Neutrophil elastase activity compensates for a genetic lack of matrix metalloproteinase-9 (MMP-9) in leukocyte infiltration in a model of experimental peritonitis. <i>Journal of Leukocyte Biology</i> , 2009 , 85, 374-81	6.5	27

35	CXCL9-Derived Peptides Differentially Inhibit Neutrophil Migration through Interference with Glycosaminoglycan Interactions. <i>Frontiers in Immunology</i> , 2017 , 8, 530	8.4	24
34	Ceramic modifications of porous titanium: effects on macrophage activation. <i>Tissue and Cell</i> , 2012 , 44, 391-400	2.7	23
33	Flow cytometric measurement of neutral red accumulation in earthworm coelomocytes: Novel assay for studies on heavy metal exposure. <i>European Journal of Soil Biology</i> , 2007 , 43, S116-S120	2.9	23
32	Strain differences in some immune parameters can be obscured by circadian variations and laboratory routines: studies of male C57BL/6J, Balb/c and CB6 F1 mice. <i>Laboratory Animals</i> , 2001 , 35, 91-100	2.6	23
31	Decreased expression of the α 5 β 1 Integrin on tumor cells is associated with a reduction in liver metastasis of colorectal cancer in mice. <i>BMC Cancer</i> , 2017 , 17, 827	4.8	22
30	Differential inhibition of activity, activation and gene expression of MMP-9 in THP-1 cells by azithromycin and minocycline versus bortezomib: A comparative study. <i>PLoS ONE</i> , 2017 , 12, e0174853	3.7	22
29	Resident peritoneal leukocytes are important sources of MMP-9 during zymosan peritonitis: superior contribution of macrophages over mast cells. <i>Immunology Letters</i> , 2007 , 113, 99-106	4.1	21
28	Strain-specific effects of riboflavin supplementation on zymosan-induced peritonitis in C57BL/6J, BALB/c and CBA mice. <i>Life Sciences</i> , 2011 , 88, 265-71	6.8	19
27	Enhanced early vascular permeability in gelatinase B (MMP-9)-deficient mice: putative contribution of COX-1-derived PGE2 of macrophage origin. <i>Journal of Leukocyte Biology</i> , 2006 , 80, 125-32	6.5	17
26	Conservative Mechanisms of Extracellular Trap Formation by Annelida <i>Eisenia andrei</i> : Serine Protease Activity Requirement. <i>PLoS ONE</i> , 2016 , 11, e0159031	3.7	17
25	Phagocytes & granulocytes. Angiogenic neutrophils: a novel subpopulation paradigm. <i>Blood</i> , 2012 , 120, 4455-7	2.2	16
24	Altered apoptosis of inflammatory neutrophils in MMP-9-deficient mice is due to lower expression and activity of caspase-3. <i>Immunology Letters</i> , 2009 , 126, 73-82	4.1	16
23	On Neutrophil Extracellular Trap (NET) Removal: What We Know Thus Far and Why So Little. <i>Cells</i> , 2020 , 9,	7.9	15
22	Effective activation of antioxidant system by immune-relevant factors reversely correlates with apoptosis of <i>Eisenia andrei</i> coelomocytes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016 , 186, 417-30	2.2	15
21	Shedding light on vascular permeability during peritonitis: role of mast cell histamine versus macrophage cysteinyl leukotrienes. <i>Inflammation Research</i> , 2002 , 51, 519-21	7.2	13
20	Resident peritoneal macrophages and mast cells are important cellular sites of COX-1 and COX-2 activity during acute peritoneal inflammation. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2009 , 57, 459-66	4	12
19	Effects of aliphatic polyesters on activation of the immune system: studies on macrophages. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 715-38	3.5	12
18	Modulation of zymosan-induced peritonitis by riboflavin co-injection, pre-injection or post-injection in male Swiss mice. <i>Life Sciences</i> , 2012 , 91, 1351-7	6.8	11

17	Interference with glycosaminoglycan-chemokine interactions with a probe to alter leukocyte recruitment and inflammation in vivo. <i>PLoS ONE</i> , 2014 , 9, e104107	3.7	11
16	Challenges in 3D culturing of neutrophils: Assessment of cell viability. <i>Journal of Immunological Methods</i> , 2018 , 457, 73-77	2.5	10
15	The older the faster: aged neutrophils in inflammation. <i>Blood</i> , 2016 , 128, 2280-2282	2.2	10
14	An iminosugar-based heparanase inhibitor heparastatin (SF4) suppresses infiltration of neutrophils and monocytes into inflamed dorsal air pouches. <i>International Immunopharmacology</i> , 2016 , 35, 15-21	5.8	9
13	Effects of macrophage depletion on peritoneal inflammation in swiss mice, edible frogs and goldfish. <i>Folia Biologica</i> , 2004 , 52, 225-31	0.7	9
12	Oxygen plasma surface modification augments poly(L-lactide-co-glycolide) cytocompatibility toward osteoblasts and minimizes immune activation of macrophages. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3965-77	5.4	8
11	Metallothionein 2 and Heat Shock Protein 72 Protect <i>Allolobophora chlorotica</i> from Cadmium But Not Nickel or Copper Exposure: Body Malformation and Coelomocyte Functioning. <i>Archives of Environmental Contamination and Toxicology</i> , 2016 , 71, 267-77	3.2	8
10	Reduced Neutrophil Extracellular Trap (NET) Formation During Systemic Inflammation in Mice With Menkes Disease and Wilson Disease: Copper Requirement for NET Release. <i>Frontiers in Immunology</i> , 2019 , 10, 3021	8.4	6
9	Toll-like receptors expression and NF- κ B activation in peritoneal leukocytes in morphine-mediated impairment of zymosan-induced peritonitis in swiss mice. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2012 , 60, 373-82	4	6
8	Increased cyclooxygenase activity impairs apoptosis of inflammatory neutrophils in mice lacking gelatinase B/matrix metalloproteinase-9. <i>Immunology</i> , 2009 , 128, e262-74	7.8	6
7	Scrutinizing Mechanisms of the Obesity Paradox in Sepsis: Obesity Is Accompanied by Diminished Formation of Neutrophil Extracellular Traps (NETs) Due to Restricted Neutrophil-Platelet Interactions. <i>Cells</i> , 2021 , 10,	7.9	4
6	Impact of poly(L-lactide) versus poly(L-lactide-co-trimethylene carbonate) on biological characteristics of fibroblasts and osteoblasts. <i>Folia Biologica</i> , 2013 , 61, 11-24	0.7	3
5	Morphine-modulated mast cell migration and proliferation during early stages of zymosan-induced peritonitis in CBA mice. <i>Folia Biologica</i> , 2011 , 59, 99-106	0.7	3
4	Imaging of Neutrophils and Neutrophil Extracellular Traps (NETs) with Intravital (In Vivo) Microscopy. <i>Methods in Molecular Biology</i> , 2020 , 2087, 443-466	1.4	3
3	Biocompatibility evaluation of glycolide-containing polyesters in contact with osteoblasts and fibroblasts. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3256-3268	2.9	1
2	Metabolic Pathways Involved in Formation of Spontaneous and Lipopolysaccharide-Induced Neutrophil Extracellular Traps (NETs) Differ in Obesity and Systemic Inflammation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
1	Elevated Plasma Levels of Cell-Free DNA During Liver Transplantation Are Associated With Activation of Coagulation. <i>Liver Transplantation</i> , 2019 , 25, 180-181	4.5	