Rachel Levy

List of Publications by Year in descending order

39 papers	1,325 citations	304743 22 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	1569 citing authors

#	Article	IF	Citations
1	Essential Requirement of Cytosolic Phospholipase A2for Activation of the Phagocyte NADPH Oxidase. Journal of Biological Chemistry, 1998, 273, 441-445.	3.4	190
2	The synergistic anti-inflammatory effects of lycopene, lutein, Î²-carotene, and carnosic acid combinations via redox-based inhibition of NF-ÎºB signaling. Free Radical Biology and Medicine, 2012, 53, 1381-1391.	2.9	103
3	Cytosolic phospholipase A2 and its mode of activation in human neutrophils by opsonized zymosan: Correlation between 42/44ÂkDa mitogen-activated protein kinase, cytosolic phospholipase A2 and NADPH oxidase. Biochemical Journal, 1997, 326, 867-876.	3.7	82
4	Unique targeting of cytosolic phospholipase A2 to plasma membranes mediated by the NADPH oxidase in phagocytes. Journal of Cell Biology, 2003, 162, 683-692.	5.2	82
5	The Requirement of Both Extracellular Regulated Kinase and p38 Mitogen-activated Protein Kinase for Stimulation of Cytosolic Phospholipase A2 Activity by Either FcÎ³RIIA or FcÎ³RIIIB in Human Neutrophils. Journal of Biological Chemistry, 2000, 275, 12416-12423.	3.4	60
6	Endothelial ICAM-1 Protein Induction Is Regulated by Cytosolic Phospholipase A2Î± via Both NF-ÎºB and CREB Transcription Factors. Journal of Immunology, 2011, 186, 1816-1827.	0.8	57
7	Essential Requirement of Cytosolic Phospholipase A2for Activation of the H+ Channel in Phagocyte-like Cells. Journal of Biological Chemistry, 1999, 274, 21603-21608.	3.4	55
8	Increased neutrophil function induced by bile duct ligation in a rat model. Hepatology, 1993, 17, 908-914.	7.3	49
9	Arachidonic acid increases the activity of the assembled NADPH oxidase in cytoplasmic membranes and endosomes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1176, 51-58.	4.1	46
10	Induction of Cytosolic Phospholipase A2Î± Is Required for Adipose Neutrophil Infiltration and Hepatic Insulin Resistance Early in the Course of High-Fat Feeding. Diabetes, 2013, 62, 3053-3063.	0.6	46
11	Reduction of cPLA_{2Î±} overexpression: An efficient antiâ€inflammatory therapy for collagenâ€induced arthritis. European Journal of Immunology, 2008, 38, 2905-2915.	2.9	39
12	IL-1Î² and IL-6 in community-acquired pneumonia: Bacteremic pneumococcal pneumonia versusMycoplasma pneumoniae pneumonia. Infection, 1997, 25, 90-94.	4.7	37
13	Stimulation of NADPH oxidase by angiotensin II in human neutrophils is mediated by ERK, p38 MAP-kinase and cytosolic phospholipase A2. Journal of Hypertension, 2005, 23, 1183-1190.	0.5	36
14	Translocation of annexin I to plasma membranes and phagosomes in human neutrophils upon stimulation with opsonized zymosan: possible role in phagosome function. Biochemical Journal, 1996, 316, 35-42.	3.7	32
15	The role of cytosolic phospholipase A2-alfa in regulation of phagocytic functions. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 1323-1334.	2.4	32
16	Abnormal neutrophil chemotactic activity in children with congenital insensitivity to pain with anhidrosis (CIPA): The role of nerve growth factor. Clinical Immunology, 2009, 130, 365-372.	3.2	32
17	Reduction of cytosolic phospholipase A2Î± upregulation delays the onset of symptoms in SOD1G93A mouse model of amyotrophic lateral sclerosis. Journal of Neuroinflammation, 2016, 13, 134.	7.2	32
18	Essential Requirement of Cytosolic Phospholipase A2for Stimulation of NADPH Oxidase-associated Diaphorase Activity in Granulocyte-like Cells. Journal of Biological Chemistry, 2001, 276, 33495-33503.	3.4	31

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19	Cytosolic phospholipase A2Î± upregulation mediates apoptotic neuronal death induced by aggregated amyloid-Î² peptide1â€“42. Neurochemistry International, 2013, 63, 541-550.	3.8	28
20	Cytosolic Phospholipase A2Î± Is Targeted to the p47 -PX Domain of the Assembled NADPH Oxidase via a Novel Binding Site in Its C2 Domain. Journal of Biological Chemistry, 2008, 283, 31898-31908.	3.4	26
21	HT-29 human colon cancer cell proliferation is regulated by cytosolic phospholipase A2Î± dependent PGE2 via both PKA and PKB pathways. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 1224-1234.	2.4	25
22	The role of cytosolic phospholipase A₂Î± in amyloid precursor protein induction by amyloid beta_{1â€42}: implication for neurodegeneration. Journal of Neurochemistry, 2015, 132, 559-571.	3.9	25
23	Production of myeloid cell cytosols functionally and immunochemically deficient in the 47 kDa or 67 kDa NADPH oxidase cytosolic factors. Biochemical and Biophysical Research Communications, 1990, 170, 1114-1120.	2.1	19
24	SUPEROXIDE PRODUCTION BY NEUTROPHILS FROM TRAUMA PATIENTS. Journal of Trauma, 1994, 37, 22-29.	2.3	19
25	Induction of FcÎ³RIIA expression in myeloid PLB cells during differentiation depends on cytosolic phospholipase A2 activity and is regulated via activation of CREB by PGE2. Blood, 2006, 108, 1758-1766.	1.4	19
26	Cytosolic phospholipase A₂Î± has a crucial role in the pathogenesis of DSSâ€induced colitis in mice. European Journal of Immunology, 2016, 46, 400-408.	2.9	17
27	Phagocytic killing and antibody response during the first year after tetravalent meningococcal vaccine in complement-deficient and in normal individuals. Journal of Clinical Immunology, 2000, 20, 46-53.	3.8	15
28	Combination of EPA with Carotenoids and Polyphenol Synergistically Attenuated the Transformation of Microglia to M1 Phenotype Via Inhibition of NF-ÎºB. NeuroMolecular Medicine, 2017, 19, 436-451.	3.4	15
29	The requirement of cytosolic phospholipase A2 for the PMA activation of proton efflux through the N-terminal 230-amino-acid fragment of gp91phox. Biochemical Journal, 2003, 374, 315-319.	3.7	14
30	Regulatory role of cytosolic phospholipase A2 alpha in the induction of CD40 in microglia. Journal of Neuroinflammation, 2017, 14, 33.	7.2	14
31	1,25-Dihydroxyvitamin D-3 alters membrane phospholipid composition and enhances calcium efflux in HL-60 cells. Biochimica Et Biophysica Acta - Biomembranes, 1987, 902, 178-182.	2.6	12
32	The Combined Anti-Inflammatory Effect of Astaxanthin, Lyc-O-Mato and Carnosic Acid In Vitro and In Vivo in a Mouse Model of Peritonitis. Journal of Nutrition & Food Sciences, 2018, 08, .	1.0	9
33	Impaired neutrophil functions in patients with leukocytoclastic vasculitis. International Journal of Dermatology, 1997, 36, 509-513.	1.0	7
34	Lumenato protects normal human dermal fibroblasts from neutrophil-induced collagen-3 damage in co-cultures. PLoS ONE, 2021, 16, e0248183.	2.5	7
35	Activation of Cytosolic Phospholipase A2 by Opsonized Zymosan in Human Neutrophils Requires Both ERK and p38 Map-Kinase. Advances in Experimental Medicine and Biology, 2002, 479, 115-123.	1.6	5
36	Early upregulation of cytosolic phospholipase A2Î± in motor neurons is induced by misfolded SOD1 in a mouse model of amyotrophic lateral sclerosis. Journal of Neuroinflammation, 2021, 18, 274.	7.2	5

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37	Increased neutrophil function induced by bile duct ligation in a rat model. Hepatology, 1993, 17, 908-914.	7.3	3
38	Superoxides produced by angiotensin II-stimulated phagocytes mediate the adhesion of phagocytes to endothelial cells. American Journal of Hypertension, 2004, 17, S242-S243.	2.0	0
39	Characterization of the binding of cytosolic phospholipase A2 alpha and NOX2 NADPH oxidase in mouse macrophages. Molecular Biology Reports, 2022, 49, 3511-3518.	2.3	0