Jamel El-Benna

List of Publications by Year
in descending order

66 papers	4,310 citations	159585 30 h-index	110387 64 g-index
67 all docs	67 docs citations	67 times ranked	6720 citing authors

#	Article	IF	Citations
1	Metformin Inhibits ROS Production by Human M2 Macrophages via the Activation of AMPK. Biomedicines, 2022, 10, 319.	3.2	14
2	Protein Kinase CK2 Acts as a Molecular Brake to Control NADPH Oxidase 1 Activation and Colon Inflammation. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1073-1093.	4.5	8
3	Impaired p47phox phosphorylation in neutrophils from patients with p67phox-deficient chronic granulomatous disease. Blood, 2022, 139, 2512-2522.	1.4	7
4	Effects of venoms on neutrophil respiratory burst: a major inflammatory function. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2021, 27, e20200179.	1.4	2
5	Startingâ€NOX2â€Up: Rac unrolls p67 phox. Journal of Leukocyte Biology, 2021, 110, 213-215.	3.3	2
6	Live or die: PD-L1 delays neutrophil apoptosis. Blood, 2021, 138, 744-746.	1.4	4
7	Impaired respiratory burst contributes to infections in PKCÎ´-deficient patients. Journal of Experimental Medicine, 2021, 218, .	8.5	23
8	Prolyl-Isomerase Pin1 Controls Key fMLP-Induced Neutrophil Functions. Biomedicines, 2021, 9, 1130.	3.2	4
9	Activation of the phagocyte NADPH oxidase/NOX2 and myeloperoxidase in the mouse brain during pilocarpine-induced temporal lobe epilepsy and inhibition by ketamine. Inflammopharmacology, 2020, 28, 487-497.	3.9	12
10	The protein kinase A negatively regulates reactive oxygen species production by phosphorylating gp91phox/NOX2 in human neutrophils. Free Radical Biology and Medicine, 2020, 160, 19-27.	2.9	12
11	Neutrophils from hereditary hemochromatosis patients are protected from iron excess and are primed. Blood Advances, 2020, 4, 3853-3863.	5.2	21
12	The Dual Role of Reactive Oxygen Species-Generating Nicotinamide Adenine Dinucleotide Phosphate Oxidases in Gastrointestinal Inflammation and Therapeutic Perspectives. Antioxidants and Redox Signaling, 2020, 33, 354-373.	5.4	28
13	Apocynin prevents GM-CSF-induced-ERK1/2 activation and -neutrophil survival independently of its inhibitory effect on the phagocyte NADPH oxidase NOX2. Biochemical Pharmacology, 2020, 177, 113950.	4.4	7
14	Neutrophil Degranulation of Azurophil and Specific Granules. Methods in Molecular Biology, 2020, 2087, 215-222.	0.9	16
15	Phosphorylation of gp91phox/NOX2 in Human Neutrophils. Methods in Molecular Biology, 2019, 1982, 341-352.	0.9	7
16	Cytosolic PCNA interacts with p47phox and controls NADPH oxidase NOX2 activation in neutrophils. Journal of Experimental Medicine, 2019, 216, 2669-2687.	8.5	27
17	Regulation of globin-heme balance in Diamond-Blackfan anemia by HSP70/GATA1. Blood, 2019, 133, 1358-1370.	1.4	44
18	The Kinesin Light Chainâ€"Related Protein PAT1 Promotes Superoxide Anion Production in Human Phagocytes. Journal of Immunology, 2019, 202, 1549-1558.	0.8	1

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19	The Prolyl Isomerase Pin1 Controls Lipopolysaccharide-Induced Priming of NADPH Oxidase in Human Neutrophils. Frontiers in Immunology, 2019, 10, 2567.	4.8	15
20	Eugenol prevents fMLF-induced superoxide anion production in human neutrophils by inhibiting ERK1/2 signaling pathway and p47phox phosphorylation. Scientific Reports, 2019, 9, 18540.	3.3	20
21	NOX1-derived ROS drive the expression of Lipocalin-2 in colonic epithelial cells in inflammatory conditions. Mucosal Immunology, 2019, 12, 117-131.	6.0	44
22	<scp>NADPH</scp> oxidase activation in neutrophils: Role of the phosphorylation of its subunits. European Journal of Clinical Investigation, 2018, 48, e12951.	3.4	162
23	A recessive form of hyper-IgE syndrome by disruption of ZNF341-dependent STAT3 transcription and activity. Science Immunology, 2018, 3, .	11.9	132
24	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162.	9.0	242
25	NOX5 and p22phox are 2 novel regulators of human monocytic differentiation into dendritic cells. Blood, 2017, 130, 1734-1745.	1.4	49
26	Oleuropein and hydroxytyrosol inhibit the N-formyl-methionyl-leucyl-phenylalanine-induced neutrophil degranulation and chemotaxis via AKT, p38, and ERK1/2 MAP-Kinase inhibition. Inflammopharmacology, 2017, 25, 673-680.	3.9	10
27	Luminol-amplified chemiluminescence detects mainly superoxide anion produced by human neutrophils. American Journal of Blood Research, 2017, 7, 41-48.	0.6	28
28	Xanthine Oxidase-Derived ROS Display a Biphasic Effect on Endothelial Cells Adhesion and FAK Phosphorylation. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9.	4.0	17
29	Ceratonia siliqua leaves exert a strong ROS-scavenging effect in human neutrophils, inhibit myeloperoxydase in vitro and protect against intestinal fluid and electrolytes secretion in rats. RSC Advances, 2016, 6, 65483-65493.	3.6	5
30	Priming of the neutrophil respiratory burst: role in host defense and inflammation. Immunological Reviews, 2016, 273, 180-193.	6.0	324
31	Thymoquinone strongly inhibits fMLF-induced neutrophil functions and exhibits anti-inflammatory properties in vivo. Biochemical Pharmacology, 2016, 104, 62-73.	4.4	26
32	Neutrophil Oxidative Burst. , 2016, , 971-976.		0
33	Escherichia coli LF82 Differentially Regulates ROS Production and Mucin Expression in Intestinal Epithelial T84 Cells. Inflammatory Bowel Diseases, 2015, 21, 1018-1026.	1.9	23
34	TLR8, but not TLR7, induces the priming of the NADPH oxidase activation in human neutrophils. Journal of Leukocyte Biology, 2015, 97, 1081-1087.	3.3	23
35	Tumor Necrosis Factor-Î±-Induced Colitis Increases NADPH Oxidase 1 Expression, Oxidative Stress, and Neutrophil Recruitment in the Colon: Preventive Effect of Apocynin. Mediators of Inflammation, 2014, 2014, 1-15.	3.0	53
36	NOX2-Derived ROS-Mediated Surface Translocation of BLT1 Is Essential for Exocytosis in Human Eosinophils Induced by LTB₄. International Archives of Allergy and Immunology, 2014, 165, 40-51.	2.1	13

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37	Protectin DX, a Double Lipoxygenase Product of DHA, Inhibits Both ROS Production in Human Neutrophils and Cyclooxygenase Activities. Lipids, 2014, 49, 49-57.	1.7	59
38	RhoA determines disease progression by controlling neutrophil motility and restricting hyperresponsiveness. Blood, 2014, 123, 3635-3645.	1.4	38
39	Assessment of Priming of the Human Neutrophil Respiratory Burst. Methods in Molecular Biology, 2014, 1124, 405-412.	0.9	23
40	Evaluation of p47phox Phosphorylation in Human Neutrophils Using Phospho-Specific Antibodies. Methods in Molecular Biology, 2014, 1124, 427-433.	0.9	13
41	NOXO1 phosphorylation on serine 154 is critical for optimal NADPH oxidase 1 assembly and activation. FASEB Journal, 2013, 27, 1733-1748.	0.5	37
42	Zymosan induces NADPH oxidase activation in human neutrophils by inducing the phosphorylation of p47phox and the activation of Rac2: Involvement of protein tyrosine kinases, PI3Kinase, PKC, ERK1/2 and p38MAPkinase. Biochemical Pharmacology, 2013, 85, 92-100.	4.4	80
43	Increased reactive oxygen species production and p47phox phosphorylation in neutrophils from myeloproliferative disorders patients with JAK2 (V617F) mutation. Haematologica, 2013, 98, 1517-1524.	3.5	45
44	Neutrophil Oxidative Burst. , 2013, , 1-7.		0
45	The TLR7/8 Agonist CL097 PrimesN-Formyl-Methionyl-Leucyl-Phenylalanineâ€“Stimulated NADPH Oxidase Activation in Human Neutrophils: Critical Role of p47phox Phosphorylation and the Proline Isomerase Pin1. Journal of Immunology, 2012, 189, 4657-4665.	0.8	42
46	Towards specific NADPH oxidase inhibition by small synthetic peptides. Cellular and Molecular Life Sciences, 2012, 69, 2307-2314.	5.4	26
47	Phosphorylation of p47phox is required for receptor-mediated NADPH oxidase/NOX2 activation in Epstein-Barr virus-transformed human B lymphocytes. American Journal of Blood Research, 2012, 2, 187-93.	0.6	21
48	The NADPH oxidase cytosolic component p67phox is constitutively phosphorylated in human neutrophils: Regulation by a protein tyrosine kinase, MEK1/2 and phosphatases 1/2A. Biochemical Pharmacology, 2011, 82, 1145-1152.	4.4	31
49	The prolyl isomerase Pin1 acts as a novel molecular switch for TNF-Î±â€“induced priming of the NADPH oxidase in human neutrophils. Blood, 2010, 116, 5795-5802.	1.4	89
50	Peptide-based inhibitors of the phagocyte NADPH oxidase. Biochemical Pharmacology, 2010, 80, 778-785.	4.4	38
51	Phosphorylation of NADPH oxidase activator 1 (NOXA1) on serine 282 by MAP kinases and on serine 172 by protein kinase C and protein kinase A prevents NOX1 hyperactivation. FASEB Journal, 2010, 24, 2077-2092.	0.5	58
52	Francisella Acid Phosphatases Inactivate the NADPH Oxidase in Human Phagocytes. Journal of Immunology, 2010, 184, 5141-5150.	0.8	58
53	Regulation of the phagocyte NADPH oxidase activity: phosphorylation of gp91^{phox}/NOX2 by protein kinase C enhances its diaphorase activity and binding to Rac2, p67^{phox}, and p47^{phox}. FASEB Journal, 2009, 23, 1011-1022.	0.5	151
54	p47phox, the phagocyte NADPH oxidase/NOX2 organizer: structure, phosphorylation and implication in diseases. Experimental and Molecular Medicine, 2009, 41, 217.	7.7	361

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55	Punicic Acid a Conjugated Linolenic Acid Inhibits TNFÎ±-Induced Neutrophil Hyperactivation and Protects from Experimental Colon Inflammation in Rats. PLoS ONE, 2009, 4, e6458.	2.5	106
56	Priming of the neutrophil NADPH oxidase activation: role of p47phox phosphorylation and NOX2 mobilization to the plasma membrane. Seminars in Immunopathology, 2008, 30, 279-289.	6.1	291
57	Role of the NADPH oxidase systems Nox and Duox in host defense and inflammation. Expert Review of Clinical Immunology, 2007, 3, 111-115.	3.0	8
58	Analysis of Protein Phosphorylation in Human Neutrophils. Methods in Molecular Biology, 2007, 412, 85-96.	0.9	16
59	Antiâ€inflammatory effect of interleukinâ€10 on human neutrophil respiratory burst involves inhibition of GMâ€CSFâ€induced p47 PHOX phosphorylation through a decrease in ERK1/2 activity. FASEB Journal, 2006, 20, 1504-1506.	0.5	64
60	A specific p47phox -serine phosphorylated by convergent MAPKs mediates neutrophil NADPH oxidase priming at inflammatory sites. Journal of Clinical Investigation, 2006, 116, 2033-2043.	8.2	283
61	Phagocyte NADPH oxidase: a multicomponent enzyme essential for host defenses. Archivum Immunologiae Et Therapiae Experimentalis, 2005, 53, 199-206.	2.3	89
62	Inhibition of formyl-methionyl-leucyl-phenylalanine-stimulated respiratory burst in human neutrophils by adrenaline: inhibition of Phospholipase A2 activity but not p47phox phosphorylation and translocation. Biochemical Pharmacology, 2004, 67, 183-190.	4.4	47
63	Antioxidant effect of hydroxytyrosol, a polyphenol from olive oil: scavenging of hydrogen peroxide but not superoxide anion produced by human neutrophils. Biochemical Pharmacology, 2004, 68, 2003-2008.	4.4	114
64	TNF-Î± Induces Phosphorylation of p47‹i›phox‹/i› in Human Neutrophils: Partial Phosphorylation of p47‹i›phox‹/i› Is a Common Event of Priming of Human Neutrophils by TNF-Î± and Granulocyte-Macrophage Colony-Stimulating Factor. Journal of Immunology, 2003, 171, 4392-4398.	0.8	144
65	Phosphorylation of p47phoxSites by PKC Î±, Î²Î™Î™, Î´, and Î¶:Â Effect on Binding to p22phoxand on NADPH Oxidase Activation. Biochemistry, 2002, 41, 7743-7750.	2.5	366
66	The Mitogen-Activated Protein Kinase Extracellular Signal-Regulated Kinase 1/2 Pathway Is Involved in formyl-Methionyl-Leucyl-Phenylalanine-Induced p47phox Phosphorylation in Human Neutrophils. Journal of Immunology, 2000, 165, 5238-5244.	0.8	186