

Manoj Kumar Barthwal

List of Publications by Year in descending order

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38
papers

796
citations

516710

16
h-index

526287

27
g-index

40
all docs

40
docs citations

40
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidized LDL induced extracellular trap formation in human neutrophils via TLR-PKC-IRAK-MAPK and NADPH-oxidase activation. <i>Free Radical Biology and Medicine</i> , 2016, 93, 190-203.	2.9	119
2	MicroRNA-99a mimics inhibit M1 macrophage phenotype and adipose tissue inflammation by targeting TNF α . <i>Cellular and Molecular Immunology</i> , 2019, 16, 495-507.	10.5	59
3	Interaction of Inducible Nitric Oxide Synthase with Rac2 Regulates Reactive Oxygen and Nitrogen Species Generation in the Human Neutrophil Phagosomes: Implication in Microbial Killing. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 417-431.	5.4	56
4	Silymarin ameliorates fructose induced insulin resistance syndrome by reducing de novo hepatic lipogenesis in the rat. <i>European Journal of Pharmacology</i> , 2014, 727, 15-28.	3.5	44
5	Cdk2 nitrosylation and loss of mitochondrial potential mediate NO-dependent biphasic effect on HL-60 cell cycle. <i>Free Radical Biology and Medicine</i> , 2010, 48, 851-861.	2.9	43
6	IL-1R α -Associated Kinase-1 Mediates Protein Kinase C γ -Induced IL-1 β Production in Monocytes. <i>Journal of Immunology</i> , 2011, 187, 2632-2645.	0.8	41
7	Curcuma oil ameliorates hyperlipidaemia and associated deleterious effects in golden Syrian hamsters. <i>British Journal of Nutrition</i> , 2013, 110, 437-446.	2.3	40
8	Curcuma oil attenuates accelerated atherosclerosis and macrophage foam-cell formation by modulating genes involved in plaque stability, lipid homeostasis and inflammation. <i>British Journal of Nutrition</i> , 2015, 113, 100-113.	2.3	30
9	Role of pyruvate kinase M2 in oxidized LDL-induced macrophage foam cell formation and inflammation. <i>Journal of Lipid Research</i> , 2020, 61, 351-364.	4.2	29
10	PKC γ -IRAK1 axis regulates oxidized LDL-induced IL-1 β production in monocytes. <i>Journal of Lipid Research</i> , 2014, 55, 1226-1244.	4.2	28
11	Involvement of Interleukin-1 Receptor α -Associated Kinase-1 in Vascular Smooth Muscle Cell Proliferation and Neointimal Formation After Rat Carotid Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1445-1455.	2.4	28
12	High oxidative stress adversely affects NF κ B mediated induction of inducible nitric oxide synthase in human neutrophils: Implications in chronic myeloid leukemia. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 58, 28-41.	2.7	27
13	Cilostazol ameliorates heart failure with preserved ejection fraction and diastolic dysfunction in obese and non-obese hypertensive mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 123, 46-57.	1.9	27
14	Atorvastatin Protects against Ischemia-Reperfusion Injury in Fructose-Induced Insulin Resistant Rats. <i>Cardiovascular Drugs and Therapy</i> , 2011, 25, 285-297.	2.6	24
15	Turmerone enriched standardized Curcuma longa extract alleviates LPS induced inflammation and cytokine production by regulating TLR4 α -IRAK1 α -ROS α -MAPK α -NF κ B axis. <i>Journal of Functional Foods</i> , 2015, 3, 16, 152-163.	3.4	21
16	Coagulin-L ameliorates TLR4 induced oxidative damage and immune response by regulating mitochondria and NOX-derived ROS. <i>Toxicology and Applied Pharmacology</i> , 2016, 309, 87-100.	2.8	19
17	FOXO3a acetylation regulates PINK1, mitophagy, inflammasome activation in murine palmitate-conditioned and diabetic macrophages. <i>Journal of Leukocyte Biology</i> , 2022, 111, 611-627.	3.3	18
18	IRAK regulates macrophage foam cell formation by modulating genes involved in cholesterol uptake and efflux. <i>BioEssays</i> , 2016, 38, 591-604.	2.5	16

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19	Gingerol Inhibits Serum-Induced Vascular Smooth Muscle Cell Proliferation and Injury-Induced Neointimal Hyperplasia by Suppressing p38 MAPK Activation. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016, 21, 187-200.	2.0	16
20	Lin28B Regulates Angiotensin II-Mediated Let-7c/miR-99a MicroRNA Formation Consequently Affecting Macrophage Polarization and Allergic Inflammation. <i>Inflammation</i> , 2020, 43, 1846-1861.	3.8	14
21	Synthesis and Pharmacological Evaluation of Novel Arginine Analogs as Potential Inhibitors of Acetylcholine-Induced Relaxation in Rat Thoracic Aortic Rings. <i>Chemical Biology and Drug Design</i> , 2012, 79, 459-469.	3.2	13
22	Curcuma oil ameliorates insulin resistance & associated thrombotic complications in hamster & rat. <i>Indian Journal of Medical Research</i> , 2015, 141, 823.	1.0	12
23	A time course study on prothrombotic parameters and their modulation by anti-platelet drugs in hyperlipidemic hamsters. <i>Journal of Physiology and Biochemistry</i> , 2011, 67, 205-216.	3.0	10
24	Anti-thrombotic efficacy of S007-867: Pre-clinical evaluation in experimental models of thrombosis in vivo and in vitro. <i>Biochemical Pharmacology</i> , 2018, 148, 288-297.	4.4	10
25	Non-coding RNAs: Regulators of valvular calcification. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 142, 14-23.	1.9	10
26	Augmentation of iNOS expression in myeloid progenitor cells expedites neutrophil differentiation. <i>Journal of Leukocyte Biology</i> , 2019, 106, 397-412.	3.3	9
27	Pyroptotic and apoptotic cell death in iNOS and nNOS overexpressing K562 cells: A mechanistic insight. <i>Biochemical Pharmacology</i> , 2020, 176, 113779.	4.4	9
28	nNOS induction and NOSIP interaction impact granulopoiesis and neutrophil differentiation by modulating nitric oxide generation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119018.	4.1	9
29	Macrophage p47phox regulates pressure overload-induced left ventricular remodeling by modulating IL-4/STAT6/PPAR γ signaling. <i>Free Radical Biology and Medicine</i> , 2021, 168, 168-179.	2.9	4
30	MicroRNA-99a: a potential double-edged sword targeting macrophage inflammation and metabolism. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2290-2292.	10.5	4
31	Standardized fraction of <i>Xylocarpus moluccensis</i> inhibits inflammation by modulating MAPK-NF κ B and ROS-HIF1 α -PKM2 activation. <i>Inflammation Research</i> , 2022, 71, 423-437.	4.0	3
32	Standardized <i>Xylocarpus moluccensis</i> fruit fraction mitigates collagen-induced arthritis in mice by regulating immune response. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 619-632.	2.4	1
33	Expression of inducible NOS is indispensable for the antiproliferative and proapoptotic effect of imatinib in BCR-ABL positive cells. <i>Journal of Leukocyte Biology</i> , 2021, 110, 853-866.	3.3	1
34	Nitric oxide dependent increase in free radical generation mediates release of extracellular traps from human neutrophils. <i>FASEB Journal</i> , 2009, 23, 890.10.	0.5	1
35	Galectin-3 S-glutathionylation regulates its effect on adipocyte insulin signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119234.	4.1	1
36	New Insight into the NO-mediated Signaling to Modulate Neutrophil Free Radical Generation. <i>FASEB Journal</i> , 2007, 21, A623.	0.5	0

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37	Nitric oxide synthesis in neutrophil precursor cells and effect of nitric oxide modulators on their maturation. FASEB Journal, 2008, 22, 749.5.	0.5	0
38	Biphasic regulation of cell cycle by nitric oxide donors in promyelocytic HL-60 cell line. FASEB Journal, 2009, 23, 890.11.	0.5	0