Shailendra Pratap Singh

List of Publications by Year
in descending order

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42	1,400	304743	345221
papers	citations	22 h-index	36 g-index

44	44	44	2054
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toxicity Study of Cerium Oxide Nanoparticles in Human Neuroblastoma Cells. International Journal of Toxicology, 2014, 33, 86-97.	1.2	117
2	Toxicity assessment of manganese oxide micro and nanoparticles in Wistar rats after 28â€‰days of repeated oral exposure. Journal of Applied Toxicology, 2013, 33, 1165-1179.	2.8	100
3	PGC-1 alpha regulates HO-1 expression, mitochondrial dynamics and biogenesis: Role of epoxyeicosatrienoic acid. Prostaglandins and Other Lipid Mediators, 2016, 125, 8-18.	1.9	93
4	Comparative study of genotoxicity and tissue distribution of nano and micron sized iron oxide in rats after acute oral treatment. Toxicology and Applied Pharmacology, 2013, 266, 56-66.	2.8	89
5	Repeated Oral Dose Toxicity of Iron Oxide Nanoparticles: Biochemical and Histopathological Alterations in Different Tissues of Rats. Journal of Nanoscience and Nanotechnology, 2012, 12, 2149-2159.	0.9	74
6	Epoxyeicosatrienoic Acids Regulate Adipocyte Differentiation of Mouse 3T3 Cells, Via PGC-1Î± Activation, Which Is Required for HO-1 Expression and Increased Mitochondrial Function. Stem Cells and Development, 2016, 25, 1084-1094.	2.1	67
7	Synthesis, biological evaluation and molecular modeling studies of some novel thiazolidinediones with triazole ring. European Journal of Medicinal Chemistry, 2013, 70, 308-314.	5.5	58
8	Biochemical alterations induced by acute oral doses of iron oxide nanoparticles in Wistar rats. Drug and Chemical Toxicology, 2013, 36, 296-305.	2.3	57
9	EET intervention on Wnt1, NOV, and HO-1 signaling prevents obesity-induced cardiomyopathy in obese mice. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H368-H380.	3.2	53
10	Glycogen synthase kinase-3 inhibition attenuates fibroblast activation and development of fibrosis following renal ischemia/reperfusion in mice. DMM Disease Models and Mechanisms, 2015, 8, 931-40.	2.4	50
11	Development of a cell-based nonradioactive glucose uptake assay system for SGLT1 and SGLT2. Analytical Biochemistry, 2012, 429, 70-75.	2.4	42
12	Downregulation of PGC-1Î±Prevents the Beneficial Effect of EET-Heme Oxygenase-1 on Mitochondrial Integrity and Associated Metabolic Function in Obese Mice. Journal of Nutrition and Metabolism, 2016, 2016, 1-15.	1.8	35
13	Epoxyeicosatrienoic intervention improves NAFLD in leptin receptor deficient mice by an increase in HO-1-PGC1Î± mitochondrial signaling. Experimental Cell Research, 2019, 380, 180-187.	2.6	35
14	Development of NASH in Obese Mice is Confounded by Adipose Tissue Increase in Inflammatory NOV and Oxidative Stress. International Journal of Hepatology, 2018, 2018, 1-14.	1.1	34
15	Cardioprotective Heme Oxygenaseâ€1â€PGC1Î± Signaling in Epicardial Fat Attenuates Cardiovascular Risk in Humans as in Obese Mice. Obesity, 2019, 27, 1634-1643.	3.0	31
16	Oxidized HDL is a potent inducer of adipogenesis and causes activation of the Ang-II and 20-HETE systems in human obese females. Prostaglandins and Other Lipid Mediators, 2016, 123, 68-77.	1.9	30
17	Cold Press Pomegranate Seed Oil Attenuates Dietary-Obesity Induced Hepatic Steatosis and Fibrosis through Antioxidant and Mitochondrial Pathways in Obese Mice. International Journal of Molecular Sciences, 2020, 21, 5469.	4.1	30
18	Genotoxicity of nano- and micron-sized manganese oxide in rats after acute oral treatment. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 754, 39-50.	1.7	29

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19	High-fat diet-induced obesity and insulin resistance in CYP4a14^{â^'/â^'} mice is mediated by 20-HETE. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R934-R944.	1.8	29
20	Ablation of soluble epoxide hydrolase reprogram white fat to beige-like fat through an increase in mitochondrial integrity, HO-1-adiponectin in vitro and in vivo. Prostaglandins and Other Lipid Mediators, 2018, 138, 1-8.	1.9	27
21	Ablation of adipose-HO-1 expression increases white fat over beige fat through inhibition of mitochondrial fusion and of PGC1Î± in female mice. Hormone Molecular Biology and Clinical Investigation, 2017, 31, .	0.7	25
22	Adipocyte Specific HO-1 Gene Therapy Is Effective in Antioxidant Treatment of Insulin Resistance and Vascular Function in an Obese Mice Model. Antioxidants, 2020, 9, 40.	5.1	22
23	Mitochondrial Modulations, Autophagy Pathways Shifts in Viral Infections: Consequences of COVID-19. International Journal of Molecular Sciences, 2021, 22, 8180.	4.1	22
24	Kavain Reduces Porphyromonas gingivalisâ€“Induced Adipocyte Inflammation: Role of PGC-1Î± Signaling. Journal of Immunology, 2018, 201, 1491-1499.	0.8	21
25	Genotoxic effects of chromium oxide nanoparticles and microparticles in Wistar rats after 28Âdays of repeated oral exposure. Environmental Science and Pollution Research, 2016, 23, 3914-3924.	5.3	17
26	Exploring New Drug Targets for Type 2 Diabetes: Success, Challenges and Opportunities. Biomedicines, 2022, 10, 331.	3.2	17
27	Monitoring of oxidative stress in nurses occupationally exposed to antineoplastic drugs. Toxicology International, 2012, 19, 20.	0.1	15
28	EET enhances renal function in obese mice resulting in restoration of HO-1-Mfn1/2 signaling, and decrease in hypertension through inhibition of sodium chloride co-transporter. Prostaglandins and Other Lipid Mediators, 2018, 137, 30-39.	1.9	15
29	In vivo assessment of genotoxic effects of Annona squamosa seed extract in rats. Food and Chemical Toxicology, 2009, 47, 1964-1971.	3.6	11
30	The association of NOV/CCN3 with obstructive sleep apnea (OSA): preliminary evidence of a novel biomarker in OSA. Hormone Molecular Biology and Clinical Investigation, 2017, 31, .	0.7	11
31	Sirt6 Deacetylase: A Potential Key Regulator in the Prevention of Obesity, Diabetes and Neurodegenerative Disease. Frontiers in Pharmacology, 2020, 11, 598326.	3.5	10
32	Adipocyte-Specific Expression of PGC1Î± Promotes Adipocyte Browning and Alleviates Obesity-Induced Metabolic Dysfunction in an HO-1-Dependent Fashion. Antioxidants, 2022, 11, 1147.	5.1	9
33	SARS-CoV-2 Infections, Impaired Tissue, and Metabolic Health: Pathophysiology and Potential Therapeutics. Mini-Reviews in Medicinal Chemistry, 2022, 22, 2102-2123.	2.4	3
34	The Association of Nephroblastoma Overexpressed (NOV) and Endothelial Progenitor Cells with Oxidative Stress in Obstructive Sleep Apnea. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-10.	4.0	1
35	Biological systems and nanopharmacokinetics. , 2021, , 153-170.		0
36	Abstract P233: Diabetic Cardiomyopathy is Reversed by Increased Mitochondrial Bioenergetics Due to PGC-1Î± Activation by EET Treatment of Obese Mice. Hypertension, 2016, 68, .	2.7	0

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37	Abstract 079: Hmox1 Activation Reprograms White Fat to Beige Adipose Tissue Through Recruitment of Cyp2C44-derived EET, pAMPK-PGC1Î± That Enhances Mitochondrial Mfn2 and Opa1. Hypertension, 2016, 68, .	2.7	0
38	Abstract 024: PGC-1Î± is a Critical Activator of HO-1 That Protects Against Cardiomyopathy in Diabetic Mice Through Recruitment of Mitochondrial Fusion Proteins and Function. Hypertension, 2016, 68, .	2.7	0
39	Abstract P127: EET-mediated Recruitment of PGC-1Î±, Restores Mitochondrial Function, LV Function, and Ameliorates Development of Cardiovascular Disease in Db Mice That is Reversed by Lentiviral- PGC-1Î± (Sh). Hypertension, 2016, 68, .	2.7	0
40	Abstract P172: Activation of Pgc1Î± by EET Stimulates Insulin Sensitivity, Normalizes Blood Pressure and Increases Mitochondrial Oxphos in Obese Mice. Hypertension, 2016, 68, .	2.7	0
41	EETâ€agonist Prevents and Reverses Heart Failure in Obesity Induced Diabetic Cardiomyopathy. FASEB Journal, 2018, 32, 561.7.	0.5	0
42	EET Enhances Renal Function in Obese Mice Resulting in Restoration of Mfn1/2 Signaling and a Decrease in Hypertension Through Inhibition of Sodium Chloride Coâ€Transporter. FASEB Journal, 2018, 32, 561.13.	0.5	0