

Sonia Saad

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,238
citations

201674

27
h-index

254184

43
g-index

82
all docs

82
docs citations

82
times ranked

3029
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Study of Spherical Gold Nanoparticles: Inflammatory Effects and Distribution in Mice. PLoS ONE, 2013, 8, e58208.	2.5	152
2	Mouse Models of Diabetes, Obesity and Related Kidney Disease. PLoS ONE, 2016, 11, e0162131.	2.5	105
3	Pioglitazone Inhibits Cell Growth and Reduces Matrix Production in Human Kidney Fibroblasts. Journal of the American Society of Nephrology: JASN, 2005, 16, 638-645.	6.1	104
4	Cancer cell-associated fibronectin induces release of matrix metalloproteinase-2 from normal fibroblasts. Cancer Research, 2002, 62, 283-9.	0.9	80
5	The Role of the Gut Microbiome in Diabetes and Obesity-Related Kidney Disease. International Journal of Molecular Sciences, 2021, 22, 9641.	4.1	78
6	Quantitative non-invasive cell characterisation and discrimination based on multispectral autofluorescence features. Scientific Reports, 2016, 6, 23453.	3.3	73
7	High glucose transactivates the EGF receptor and up-regulates serum glucocorticoid kinase in the proximal tubule. Kidney International, 2005, 68, 985-997.	5.2	71
8	Impact of maternal cigarette smoke exposure on brain inflammation and oxidative stress in male mice offspring. Scientific Reports, 2016, 6, 25881.	3.3	60
9	Oxidative stress, mitochondrial perturbations and fetal programming of renal disease induced by maternal smoking. International Journal of Biochemistry and Cell Biology, 2015, 64, 81-90.	2.8	58
10	Cigarette Smoking and Brain Regulation of Energy Homeostasis. Frontiers in Pharmacology, 2012, 3, 147.	3.5	53
11	Maternal obesity increases the risk of metabolic disease and impacts renal health in offspring. Bioscience Reports, 2018, 38, .	2.4	50
12	Pulmonary inflammation induced by low-dose particulate matter exposure in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L424-L430.	2.9	50
13	Increased sphingosine 1-phosphate mediates inflammation and fibrosis in tubular injury in diabetic nephropathy. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 56-66.	1.9	48
14	Metabolite-based dietary supplementation in human type 1 diabetes is associated with microbiota and immune modulation. Microbiome, 2022, 10, 9.	11.1	46
15	Effect of GLP-1 Receptor Activation on Offspring Kidney Health in a Rat Model of Maternal Obesity. Scientific Reports, 2016, 6, 23525.	3.3	45
16	Heat or Burn? Impacts of Intrauterine Tobacco Smoke and E-Cigarette Vapor Exposure on the Offspring's Health Outcome. Toxics, 2018, 6, 43.	3.7	44
17	The role of Sgk-1 in the upregulation of transport proteins by PPAR- α agonists in human proximal tubule cells. Nephrology Dialysis Transplantation, 2008, 24, 1130-1141.	0.7	40
18	Plumbagin Ameliorates Diabetic Nephropathy via Interruption of Pathways that Include NOX4 Signalling. PLoS ONE, 2013, 8, e73428.	2.5	39

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19	Modulation of neural regulators of energy homeostasis, and of inflammation, in the pups of mice exposed to e-cigarettes. <i>Neuroscience Letters</i> , 2018, 684, 61-66.	2.1	38
20	<scp>l</scp>-Carnitine reverses maternal cigarette smoke exposure-induced renal oxidative stress and mitochondrial dysfunction in mouse offspring. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F689-F696.	2.7	37
21	The Impact of Maternal Cigarette Smoke Exposure in a Rodent Model on Renal Development in the Offspring. <i>PLoS ONE</i> , 2014, 9, e103443.	2.5	36
22	MitoQ supplementation prevent long-term impact of maternal smoking on renal development, oxidative stress and mitochondrial density in male mice offspring. <i>Scientific Reports</i> , 2018, 8, 6631.	3.3	36
23	The role of SGK-1 in angiotensin II-mediated sodium reabsorption in human proximal tubular cells. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 1834-1843.	0.7	33
24	Differential regulation of Snail by hypoxia and hyperglycemia in human proximal tubule cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1689-1697.	2.8	33
25	Impact of maternal e-cigarette vapor exposure on renal health in the offspring. <i>Annals of the New York Academy of Sciences</i> , 2019, 1452, 65-77.	3.8	33
26	Non-invasive real-time imaging of reactive oxygen species (ROS) using auto-fluorescence multispectral imaging technique: A novel tool for redox biology. <i>Redox Biology</i> , 2020, 34, 101561.	9.0	33
27	Moderate traumatic brain injury is linked to acute behaviour deficits and long term mitochondrial alterations. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 1107-1114.	1.9	32
28	FXR expression is associated with dysregulated glucose and lipid levels in the offspring kidney induced by maternal obesity. <i>Nutrition and Metabolism</i> , 2015, 12, 40.	3.0	30
29	Effect of long-term maternal smoking on the offspring's lung health. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L416-L423.	2.9	30
30	DNA methylation and the potential role of demethylating agents in prevention of progressive chronic kidney disease. <i>FASEB Journal</i> , 2018, 32, 5215-5226.	0.5	30
31	Fetal programming of chronic kidney disease: the role of maternal smoking, mitochondrial dysfunction, and epigenetic modification. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F1189-F1196.	2.7	29
32	SIRT1 reduction is associated with sex-specific dysregulation of renal lipid metabolism and stress responses in offspring by maternal high-fat diet. <i>Scientific Reports</i> , 2017, 7, 8982.	3.3	28
33	A Mitochondrial Specific Antioxidant Reverses Metabolic Dysfunction and Fatty Liver Induced by Maternal Cigarette Smoke in Mice. <i>Nutrients</i> , 2019, 11, 1669.	4.1	28
34	The renal consequences of maternal obesity in offspring are overwhelmed by postnatal high fat diet. <i>PLoS ONE</i> , 2017, 12, e0172644.	2.5	27
35	Effects of air pollution on human health – Mechanistic evidence suggested by in vitro and in vivo modelling. <i>Environmental Research</i> , 2022, 212, 113378.	7.5	27
36	Review article: Importance of the kidney proximal tubular cells in thiazolidinedione-mediated sodium and water uptake. <i>Nephrology</i> , 2009, 14, 298-301.	1.6	26

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37	Maternal Obesity Promotes Diabetic Nephropathy in Rodent Offspring. <i>Scientific Reports</i> , 2016, 6, 27769.	3.3	26
38	Lysyl oxidase-like 2 inhibition ameliorates glomerulosclerosis and albuminuria in diabetic nephropathy. <i>Scientific Reports</i> , 2018, 8, 9423.	3.3	25
39	SIRT1 overexpression attenuates offspring metabolic and liver disorders as a result of maternal high-fat feeding. <i>Journal of Physiology</i> , 2019, 597, 467-480.	2.9	25
40	Renal epidermal growth factor receptor: Its role in sodium and water homeostasis in diabetic nephropathy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 84-88.	1.9	23
41	Maternal high-fat diet induces metabolic stress response disorders in offspring hypothalamus. <i>Journal of Molecular Endocrinology</i> , 2017, 59, 81-92.	2.5	23
42	Maternal Cigarette Smoke Exposure Worsens Neurological Outcomes in Adolescent Offspring with Hypoxic-Ischemic Injury. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 306.	2.9	22
43	SIRT1 Attenuates Kidney Disorders in Male Offspring Due to Maternal High-Fat Diet. <i>Nutrients</i> , 2019, 11, 146.	4.1	22
44	The role of KrÄppel-like factor 4 in transforming growth factor- β -induced inflammatory and fibrotic responses in human proximal tubule cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 680-686.	1.9	21
45	The interdependence of EGF-R and SGK-1 in fibronectin expression in primary kidney cortical fibroblast cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1047-1054.	2.8	20
46	Particulate Matter, an Intrauterine Toxin Affecting Foetal Development and Beyond. <i>Antioxidants</i> , 2021, 10, 732.	5.1	19
47	Semicarbazide-sensitive amine oxidase (SSAO) inhibition ameliorates kidney fibrosis in a unilateral ureteral obstruction murine model. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F908-F916.	2.7	17
48	SIRT1720 attenuates obesity and insulin resistance but not liver damage in the offspring due to maternal and postnatal high-fat diet consumption. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E196-E203.	3.5	17
49	A Cationic-Independent Mannose 6-Phosphate Receptor Inhibitor (PXS64) Ameliorates Kidney Fibrosis by Inhibiting Activation of Transforming Growth Factor- β 1. <i>PLoS ONE</i> , 2015, 10, e0116888.	2.5	17
50	Impact of maternal cigarette smoke exposure on brain and kidney health outcomes in female offspring. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 1168-1176.	1.9	16
51	E-cigarettes damage the liver and alter nutrient metabolism in pregnant mice and their offspring. <i>Annals of the New York Academy of Sciences</i> , 2020, 1475, 64-77.	3.8	16
52	Sirtuinsâ€”mediators of maternal obesityâ€”induced complications in offspring?. <i>FASEB Journal</i> , 2016, 30, 1383-1390.	0.5	15
53	L-Carnitine and extendin-4 improve outcomes following moderate brain contusion injury. <i>Scientific Reports</i> , 2018, 8, 11201.	3.3	13
54	Brain health is independently impaired by E-vaping and high-fat diet. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 57-66.	4.1	12

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55	Low-dose hydralazine during gestation reduces renal fibrosis in rodent offspring exposed to maternal high fat diet. <i>PLoS ONE</i> , 2021, 16, e0248854.	2.5	12
56	Lysyl oxidase inhibitors attenuate cyclosporin A-induced nephropathy in mouse. <i>Scientific Reports</i> , 2021, 11, 12437.	3.3	11
57	Maternal Particulate Matter Exposure Impairs Lung Health and Is Associated with Mitochondrial Damage. <i>Antioxidants</i> , 2021, 10, 1029.	5.1	10
58	Short term exendinâ€4 treatment reduces markers of metabolic disorders in female offspring of obese rat dams. <i>International Journal of Developmental Neuroscience</i> , 2015, 46, 67-75.	1.6	9
59	Offspring sex affects the susceptibility to maternal smoking-induced lung inflammation and the effect of maternal antioxidant supplementation in mice. <i>Journal of Inflammation</i> , 2020, 17, 24.	3.4	8
60	Maternal Lâ€carnitine supplementation ameliorates renal underdevelopment and epigenetic changes in male mice offspring due to maternal smoking. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 183-193.	1.9	7
61	Aberrant DNA Methylation Mediates the Transgenerational Risk of Metabolic and Chronic Disease Due to Maternal Obesity and Overnutrition. <i>Genes</i> , 2021, 12, 1653.	2.4	7
62	Differential Effects of â€Vapingâ€™ on Lipid and Glucose Profiles and Liver Metabolic Markers in Obese Versus Non-obese Mice. <i>Frontiers in Physiology</i> , 2021, 12, 755124.	2.8	7
63	Combined Effects of PPARÎ³Agonists and Epidermal Growth Factor Receptor Inhibitors in Human Proximal Tubule Cells. <i>PPAR Research</i> , 2013, 2013, 1-8.	2.4	6
64	Parental SIRT1 Overexpression Attenuate Metabolic Disorders Due to Maternal High-Fat Feeding. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7342.	4.1	6
65	Non-invasive assessment of exfoliated kidney cells extracted from urine using multispectral autofluorescence features. <i>Scientific Reports</i> , 2021, 11, 10655.	3.3	6
66	Novel Role of Gestational Hydralazine in Limiting Maternal and Dietary Obesity-Related Chronic Kidney Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 705263.	3.7	6
67	Fimbristylis ovata and Artemisia vulgaris extracts inhibited AGE-mediated RAGE expression, ROS generation, and inflammation in THP-1 cells. <i>Toxicological Research</i> , 2022, 38, 331-343.	2.1	6
68	Semicarbazide-sensitive amine oxidase inhibition ameliorates albuminuria and glomerulosclerosis but does not improve tubulointerstitial fibrosis in diabetic nephropathy. <i>PLoS ONE</i> , 2020, 15, e0234617.	2.5	5
69	Nitroxides affect neurological deficits and lesion size induced by a rat model of traumatic brain injury. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 97, 57-65.	2.7	5
70	Lowâ€dose hydralazine reduces albuminuria and glomerulosclerosis in a mouse model of obesityâ€related chronic kidney disease. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 1939-1949.	4.4	5
71	Blood DNA Methylation Predicts Diabetic Kidney Disease Progression in High Fat Diet-Fed Mice. <i>Nutrients</i> , 2022, 14, 785.	4.1	4
72	Diet Modification before or during Pregnancy on Maternal and Foetal Outcomes in Rodent Models of Maternal Obesity. <i>Nutrients</i> , 2022, 14, 2154.	4.1	4

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73	Replacing smoking with vaping during pregnancy: Impacts on metabolic health in mice. <i>Reproductive Toxicology</i> , 2020, 96, 293-299.	2.9	3
74	Title is missing!. , 2020, 15, e0234617.		0
75	Title is missing!. , 2020, 15, e0234617.		0
76	Title is missing!. , 2020, 15, e0234617.		0
77	Title is missing!. , 2020, 15, e0234617.		0
78	Title is missing!. , 2020, 15, e0234617.		0
79	Title is missing!. , 2020, 15, e0234617.		0