

Christophe O Soulage

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

3,747
citations

126708

33
h-index

138251

58
g-index

83
all docs

83
docs citations

83
times ranked

5936
citing authors

#	ARTICLE	IF	CITATIONS
1	Natriuretic Peptides as Predictors of Protein-Energy Wasting in Hemodialysis Population. , 2022, 32, 234-242.		6
2	Inositols: From Established Knowledge to Novel Approaches. International Journal of Molecular Sciences, 2021, 22, 10575.	1.8	67
3	New clinical evidence for urea toxicity. Nephrology Dialysis Transplantation, 2021, 37, 1-4.	0.4	9
4	A low aromatic amino-acid diet improves renal function and prevent kidney fibrosis in mice with chronic kidney disease. Scientific Reports, 2021, 11, 19184.	1.6	19
5	The protein-bound uremic toxin p-cresyl-sulfate promotes intracellular ROS production and lipid peroxidation in 3T3-L1 adipose cells. Biochimie, 2021, 189, 137-143.	1.3	6
6	The very last dance of unconjugated p-cresol... historical artifact of uremic research.... Nephrology Dialysis Transplantation, 2021, , .	0.4	0
7	Preservation of residual kidney function to reduce non-urea solutes toxicity in haemodialysis. Nephrology Dialysis Transplantation, 2020, 35, 733-736.	0.4	2
8	Bis(monoacylglycero)phosphate, a new lipid signature of endosome-derived extracellular vesicles. Biochimie, 2020, 178, 26-38.	1.3	24
9	Effects of Fecal Microbiota Transplantation on Composition in Mice with CKD. Toxins, 2020, 12, 741.	1.5	42
10	Accumulation of natriuretic peptides is associated with protein energy wasting and activation of browning in white adipose tissue in chronic kidney disease. Kidney International, 2020, 98, 663-672.	2.6	18
11	Exposition to glucose-based peritoneal dialysis fluids exacerbates adipocyte lipolysis and glycogen storage in rat adipose cells. Peritoneal Dialysis International, 2020, 41, 089686082095306.	1.1	0
12	Two Toxic Lipid Aldehydes, 4-hydroxy-2-hexenal (4-HHE) and 4-hydroxy-2-nonenal (4-HNE), Accumulate in Patients with Chronic Kidney Disease. Toxins, 2020, 12, 567.	1.5	24
13	CKD Increases Carbonylation of HDL and Is Associated with Impaired Antiaggregant Properties. Journal of the American Society of Nephrology: JASN, 2020, 31, 1462-1477.	3.0	14
14	Inositols in Polycystic Ovary Syndrome: An Overview on the Advances. Trends in Endocrinology and Metabolism, 2020, 31, 435-447.	3.1	59
15	Expertsâ€™ opinion on inositols in treating polycystic ovary syndrome and non-insulin dependent diabetes mellitus: a further help for human reproduction and beyond. Expert Opinion on Drug Metabolism and Toxicology, 2020, 16, 255-274.	1.5	45
16	Breakthroughs in the Use of Inositols for Assisted Reproductive Treatment (ART). Trends in Endocrinology and Metabolism, 2020, 31, 570-579.	3.1	36
17	Elevation of Trimethylamine-N-Oxide in Chronic Kidney Disease: Contribution of Decreased Glomerular Filtration Rate. Toxins, 2019, 11, 635.	1.5	78
18	Proteomic Characterization of High-Density Lipoprotein Particles from Non-Diabetic Hemodialysis Patients. Toxins, 2019, 11, 671.	1.5	12

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19	Phospholipase D: A new mediator during high phosphate-induced vascular calcification associated with chronic kidney disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 4825-4839.	2.0	18
20	Identification of novel antilipogenic agents targeting fatty acid biosynthesis through structure-based virtual screening. <i>Chemical Biology and Drug Design</i> , 2018, 92, 1366-1372.	1.5	2
21	Skeletal muscle insulin resistance is induced by 4-hydroxy-2-hexenal, a by-product of n-3 fatty acid peroxidation. <i>Diabetologia</i> , 2018, 61, 688-699.	2.9	20
22	Determination of the binding properties of p-cresyl glucuronide to human serum albumin. <i>Biochimie</i> , 2018, 150, 1-7.	1.3	6
23	Using binding competitors of albumin to promote the removal of protein-bound uremic toxins in hemodialysis: Hope or pipe dream?. <i>Biochimie</i> , 2018, 144, 1-8.	1.3	32
24	From bench to the hemodialysis clinic: protein-bound uremic toxins modulate NF- κ B/Nrf2 expression. <i>International Urology and Nephrology</i> , 2018, 50, 347-354.	0.6	34
25	Serum levels of the adipokine zinc-alpha2-glycoprotein (ZAG) predict mortality in hemodialysis patients. <i>Kidney International</i> , 2018, 94, 983-992.	2.6	13
26	Metabolic Abnormalities in Diabetes and Kidney Disease: Role of Uremic Toxins. <i>Current Diabetes Reports</i> , 2018, 18, 97.	1.7	43
27	Is 3-Carboxy-4-methyl-5-propyl-2-furanpropionate (CMPF) a Clinically Relevant Uremic Toxin in Haemodialysis Patients?. <i>Toxins</i> , 2018, 10, 205.	1.5	16
28	General and Scalable Approach to Bright, Stable, and Functional AIE Fluorogen Colloidal Nanocrystals for in Vivo Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25154-25165.	4.0	35
29	The Role of Gut Microbiota and Diet on Uremic Retention Solutes Production in the Context of Chronic Kidney Disease. <i>Toxins</i> , 2018, 10, 155.	1.5	54
30	Distal Colon Motor Dysfunction in Mice with Chronic Kidney Disease: Putative Role of Uremic Toxins. <i>Toxins</i> , 2018, 10, 204.	1.5	25
31	Exploring docking methods for virtual screening: application to the identification of neuraminidase and Ftsz potential inhibitors. <i>Molecular Simulation</i> , 2017, 43, 656-663.	0.9	3
32	Adenine Rich Diet Is Not a Surrogate of 5/6 Nephrectomy in Rabbits. <i>Nephron</i> , 2017, 135, 307-314.	0.9	7
33	Activation of Nrf2-Antioxidant Signaling by 1,25-Dihydroxycholecalciferol Prevents Leptin-Induced Oxidative Stress and Inflammation in Human Endothelial Cells. <i>Journal of Nutrition</i> , 2017, 147, 506-513.	1.3	81
34	Aryl Hydrocarbon Receptor Activation in Chronic Kidney Disease: Role of Uremic Toxins. <i>Nephron</i> , 2017, 137, 1-7.	0.9	56
35	Nanoprecipitation of PHPMA (Co)Polymers into Nanocapsules Displaying Tunable Compositions, Dimensions, and Surface Properties. <i>ACS Macro Letters</i> , 2017, 6, 447-451.	2.3	13
36	Up-regulation of Nrf2-antioxidant signaling by A β (Euterpe oleracea Mart.) extract prevents oxidative stress in human endothelial cells. <i>Journal of Functional Foods</i> , 2017, 37, 107-115.	1.6	31

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37	p-Cresyl glucuronide is a major metabolite of p-cresol in mouse; in contrast to p-cresyl sulphate, p-cresyl glucuronide fails to promote insulin resistance. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, 2000-2009.	0.4	24
38	Modified Lipids and Lipoproteins in Chronic Kidney Disease: A New Class of Uremic Toxins. <i>Toxins</i> , 2016, 8, 376.	1.5	79
39	The uremic toxin indoxyl sulfate exacerbates reactive oxygen species production and inflammation in 3T3-L1 adipose cells. <i>Free Radical Research</i> , 2016, 50, 337-344.	1.5	51
40	Determination of the binding properties of the uremic toxin phenylacetic acid to human serum albumin. <i>Biochimie</i> , 2016, 125, 53-58.	1.3	12
41	Abnormalities in myo-inositol metabolism associated with type 2 diabetes in mice fed a high-fat diet: benefits of a dietary myo-inositol supplementation. <i>British Journal of Nutrition</i> , 2015, 113, 1862-1875.	1.2	50
42	Ozone Exposure Triggers Insulin Resistance Through Muscle c-Jun N-Terminal Kinase Activation. <i>Diabetes</i> , 2015, 64, 1011-1024.	0.3	69
43	Physiological resonance between mates through calls as possible evidence of empathic processes in songbirds. <i>Hormones and Behavior</i> , 2015, 75, 130-141.	1.0	30
44	Results from the International Consensus Conference on Myo-inositol and d-chiro-inositol in Obstetrics and Gynecology: the link between metabolic syndrome and PCOS. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2015, 195, 72-76.	0.5	108
45	A Predictive Model of the Dynamics of Body Weight and Food Intake in Rats Submitted to Caloric Restrictions. <i>PLoS ONE</i> , 2014, 9, e100073.	1.1	17
46	The Relationship between Renal Function and Plasma Concentration of the Cachectic Factor Zinc-Alpha2-Glycoprotein (ZAG) in Adult Patients with Chronic Kidney Disease. <i>PLoS ONE</i> , 2014, 9, e103475.	1.1	24
47	Leptin as an uremic toxin: Deleterious role of leptin in chronic kidney disease. <i>Biochimie</i> , 2014, 105, 12-21.	1.3	49
48	Insulin resistance in chronic kidney disease: new lessons from experimental models. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 1666-1674.	0.4	59
49	Indoxyl Sulfate and p-Cresyl Sulfate in Chronic Kidney Disease. Could These Toxins Modulate the Antioxidant Nrf2-Keap1 Pathway?. , 2014, 24, 286-291.		17
50	n-3 PUFA added to high-fat diets affect differently adiposity and inflammation when carried by phospholipids or triacylglycerols in mice. <i>Nutrition and Metabolism</i> , 2013, 10, 23.	1.3	73
51	Potential role and therapeutic interests of myo-inositol in metabolic diseases. <i>Biochimie</i> , 2013, 95, 1811-1827.	1.3	404
52	Protein-Bound Uremic Toxins New Targets to Prevent Insulin Resistance and Dysmetabolism in Patients With Chronic Kidney Disease. , 2013, 23, 464-466.		29
53	Ectopic lipid accumulation: A potential cause for metabolic disturbances and a contributor to the alteration of kidney function. <i>Biochimie</i> , 2013, 95, 1971-1979.	1.3	115
54	Chronic treatment with myo-inositol reduces white adipose tissue accretion and improves insulin sensitivity in female mice. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 457-466.	1.9	79

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55	White adipose tissue overproduces the lipid-mobilizing factor zinc α 2-glycoprotein in chronic kidney disease. <i>Kidney International</i> , 2013, 83, 878-886.	2.6	47
56	p-Cresyl Sulfate Promotes Insulin Resistance Associated with CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 88-99.	3.0	216
57	Oil composition of high-fat diet affects metabolic inflammation differently in connection with endotoxin receptors in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E374-E386.	1.8	133
58	Dietary oxidized n-3 PUFA induce oxidative stress and inflammation: role of intestinal absorption of 4-HHE and reactivity in intestinal cells. <i>Journal of Lipid Research</i> , 2012, 53, 2069-2080.	2.0	165
59	The acoustic expression of stress in a songbird: Does corticosterone drive isolation-induced modifications of zebra finch calls?. <i>Hormones and Behavior</i> , 2012, 61, 573-581.	1.0	74
60	Lipid Peroxidation by-Products and the Metabolic Syndrome. , 2012, , .		7
61	The Lipid Peroxidation By-Product 4-Hydroxy-2-Nonenal (4-HNE) Induces Insulin Resistance in Skeletal Muscle through Both Carbonyl and Oxidative Stress. <i>Endocrinology</i> , 2012, 153, 2099-2111.	1.4	120
62	Total synthesis of cirsimarin and evidence of its lipolytic and antilipogenic activities on human adipocytes. <i>Tetrahedron Letters</i> , 2012, 53, 480-483.	0.7	6
63	Human Uremic Plasma and not Urea Induces Exuberant Secretion of Leptin in 3T3-L1 Adipocytes. , 2011, 21, 72-75.		17
64	Structural and Functional Changes in Human Insulin Induced by the Lipid Peroxidation Byproducts 4-Hydroxy-2-nonenal and 4-Hydroxy-2-hexenal. <i>Chemical Research in Toxicology</i> , 2011, 24, 752-762.	1.7	41
65	New Mode of Action for a Knottin Protein Bioinsecticide. <i>Journal of Biological Chemistry</i> , 2011, 286, 36291-36296.	1.6	41
66	Emulsified lipids increase endotoxemia: possible role in early postprandial low-grade inflammation. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 53-59.	1.9	235
67	Quantitative structure-activity relationship for 4-hydroxy-2-alkenal induced cytotoxicity in L6 muscle cells. <i>Chemico-Biological Interactions</i> , 2010, 188, 171-180.	1.7	25
68	Sex-dependent regulation of hypoxic ventilation in mice and humans is mediated by erythropoietin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1837-R1846.	0.9	58
69	Ventilatory responses to acute and chronic hypoxia are altered in female but not male Paskin-deficient mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R649-R658.	0.9	19
70	Lou/C Obesity-resistant Rat Exhibits Hyperactivity, Hypermetabolism, Alterations in White Adipose Tissue Cellularity, and Lipid Tissue Profiles. <i>Endocrinology</i> , 2008, 149, 615-625.	1.4	13
71	Acute and chronic exposure to hypoxia alters ventilatory pattern but not minute ventilation of mice overexpressing erythropoietin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1702-R1710.	0.9	34
72	Erythropoietin regulates hypoxic ventilation in mice by interacting with brainstem and carotid bodies. <i>Journal of Physiology</i> , 2005, 568, 559-571.	1.3	119

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73	Chemosensory Inputs and Neural Remodeling in Carotid Body and Brainstem Catecholaminergic Cells. <i>Advances in Experimental Medicine and Biology</i> , 2004, 551, 53-58.	0.8	12
74	Sub-chronic exposure to toluene at 40ppm alters the monoamine biosynthesis rate in discrete brain areas. <i>Toxicology</i> , 2004, 196, 21-30.	2.0	14
75	Carotid Chemodenervation Approach to Study Oxygen Sensing in Brain Stem Catecholaminergic Cells. <i>Methods in Enzymology</i> , 2004, 381, 422-449.	0.4	6
76	Behavioral and neurochemical effects induced by subchronic combined exposure to toluene at 40 ppm and noise at 80 dB-A in rats. <i>Physiology and Behavior</i> , 2004, 81, 527-534.	1.0	9
77	Breathing pattern and hypoxic sensitivity during ageing in a new model of obesity-resistant rat. <i>Respiratory Physiology and Neurobiology</i> , 2004, 144, 45-57.	0.7	6
78	Central and peripheral changes in catecholamine biosynthesis and turnover in rats after a short period of ozone exposure. <i>Neurochemistry International</i> , 2004, 45, 979-986.	1.9	30
79	Behavioral and neurochemical effects induced by subchronic exposure to 40 ppm toluene in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2003, 74, 997-1003.	1.3	37
80	A6 Noradrenergic Cell Group Modulates the Hypoxic Ventilatory Response. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 481-487.	0.8	15
81	Corticosterone triggers high-pitched nestlingsâ€™ begging calls and affects parental behavior in the wild zebra finch. <i>Behavioral Ecology</i> , 0, , arw069.	1.0	9