

Samuel Treviño Mora

List of Publications by Year in descending order

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38
papers

1,114
citations

430874

18
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414414

32
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all docs

39
docs citations

39
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral Subacute Exposure to Cadmium LOAEL Dose Induces Insulin Resistance and Impairment of the Hormonal and Metabolic Liver-Adipose Axis in Wistar Rats. <i>Biological Trace Element Research</i> , 2022, 200, 4370-4384.	3.5	17
2	The Impact of Urbanization on Water Quality: Case Study on the Alto Atoyac Basin in Puebla, Mexico. <i>Sustainability</i> , 2022, 14, 667.	3.2	8
3	Mixture of Toxic Metals and Volatile Organic Compounds in a River Induces Cytotoxicity. <i>Journal of Chemistry</i> , 2022, 2022, 1-9.	1.9	2
4	Clinical monitored in subjects metabolically healthy and unhealthy before and during a SARS-CoV-2 infectionâ€“ A cross-sectional study in Mexican population. <i>Cytokine</i> , 2022, 153, 155868.	3.2	4
5	Effect of cadmium administration on the antioxidant system and neuronal death in the hippocampus of rats. <i>Synapse</i> , 2022, 76, .	1.2	7
6	Gallic acid improves recognition memory and decreases oxidativeâ€“inflammatory damage in the rat hippocampus with metabolic syndrome. <i>Synapse</i> , 2021, 75, e22186.	1.2	22
7	Kidney Adaptations Prevent Loss of Trace Elements in Wistar Rats with Early Metabolic Syndrome. <i>Biological Trace Element Research</i> , 2021, 199, 1941-1953.	3.5	4
8	The Câ€“terminal fragment of the heavy chain of the tetanus toxin (Hcâ€“TeTx) improves motor activity and neuronal morphology in the limbic system of aged mice. <i>Synapse</i> , 2021, 75, e22193.	1.2	2
9	Sodium metavanadate treatment improves glycogen levels in multiple tissues in a model of metabolic syndrome caused by chronic cadmium exposure in Wistar rats. <i>BioMetals</i> , 2021, 34, 245-258.	4.1	9
10	Metforminium Decavanadate (MetfDeca) Treatment Ameliorates Hippocampal Neurodegeneration and Recognition Memory in a Metabolic Syndrome Model. <i>Neurochemical Research</i> , 2021, 46, 1151-1165.	3.3	10
11	Taurine Increases Zinc Preconditioning-Induced Prevention of Nitrosative Stress, Metabolic Alterations, and Motor Deficits in Young Rats following Intrauterine Ischemia. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-20.	4.0	5
12	Type 2 Diabetes Alters Intracellular Ca ²⁺ Handling in Native Endothelium of Excised Rat Aorta. <i>International Journal of Molecular Sciences</i> , 2020, 21, 250.	4.1	15
13	The treatment of Goji berry (<i>Lycium barbarum</i>) improves the neuroplasticity of the prefrontal cortex and hippocampus in aged rats. <i>Journal of Nutritional Biochemistry</i> , 2020, 83, 108416.	4.2	19
14	Effects of metformin on recognition memory and hippocampal neuroplasticity in rats with metabolic syndrome. <i>Synapse</i> , 2020, 74, e22153.	1.2	17
15	Aortic dysfunction by chronic cadmium exposure is linked to multiple metabolic risk factors that converge in anion superoxide production. <i>Archives of Physiology and Biochemistry</i> , 2020, , 1-9.	2.1	11
16	Vanadium and insulin: Partners in metabolic regulation. <i>Journal of Inorganic Biochemistry</i> , 2020, 208, 111094.	3.5	57
17	The Administration of Cadmium for 2, 3 and 4 Months Causes a Loss of Recognition Memory, Promotes Neuronal Hypotrophy and Apoptosis in the Hippocampus of Rats. <i>Neurochemical Research</i> , 2019, 44, 485-497.	3.3	28
18	Epicatechin Reduces Spatial Memory Deficit Caused by Amyloid-Î² ²⁵ â€“35 Toxicity Modifying the Heat Shock Proteins in the CA1 Region in the Hippocampus of Rats. <i>Antioxidants</i> , 2019, 8, 113.	5.1	15

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19	Metformin-decavanadate treatment ameliorates hyperglycemia and redox balance of the liver and muscle in a rat model of alloxan-induced diabetes. <i>New Journal of Chemistry</i> , 2019, 43, 17850-17862.	2.8	27
20	Vanadium in Biological Action: Chemical, Pharmacological Aspects, and Metabolic Implications in Diabetes Mellitus. <i>Biological Trace Element Research</i> , 2019, 188, 68-98.	3.5	209
21	The Effects of Non-selective Dopamine Receptor Activation by Apomorphine in the Mouse Hippocampus. <i>Molecular Neurobiology</i> , 2018, 55, 8625-8636.	4.0	20
22	Decavanadate Salts of Cytosine and Metformin: A Combined Experimental-Theoretical Study of Potential Metallo drugs Against Diabetes and Cancer. <i>Frontiers in Chemistry</i> , 2018, 6, 402.	3.6	40
23	The NOAEL Metformin Dose Is Ineffective against Metabolic Disruption Induced by Chronic Cadmium Exposure in Wistar Rats. <i>Toxics</i> , 2018, 6, 55.	3.7	18
24	Metabolic Syndrome Exacerbates the Recognition Memory Impairment and Oxidative-Inflammatory Response in Rats with an Intrahippocampal Injection of Amyloid Beta 1 β 42. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-13.	4.0	20
25	Pharmacological and Toxicological Threshold of Bisammonium Tetrakis 4-(<i>N,N</i> -Dimethylamino)pyridinium Decavanadate in a Rat Model of Metabolic Syndrome and Insulin Resistance. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-13.	4.1	20
26	Metabolic syndrome causes recognition impairments and reduced hippocampal neuronal plasticity in rats. <i>Journal of Chemical Neuroanatomy</i> , 2017, 82, 65-75.	2.1	28
27	The aminoestrogen prolame increases recognition memory and hippocampal neuronal spine density in aged mice. <i>Synapse</i> , 2017, 71, e21987.	1.2	15
28	Changes on serum and hepatic lipidome after a chronic cadmium exposure in Wistar rats. <i>Archives of Biochemistry and Biophysics</i> , 2017, 635, 52-59.	3.0	23
29	Alzheimer's disease and metabolic syndrome: A link from oxidative stress and inflammation to neurodegeneration. <i>Synapse</i> , 2017, 71, e21990.	1.2	131
30	Hepatic mobilization of zinc after an experimental surgery, and its relationship with inflammatory cytokines release, and expression of metallothionein and Zip14 transporter. <i>Inflammation Research</i> , 2017, 66, 167-175.	4.0	10
31	Synthesis and 3D Network Architecture of 1- and 16-Hydrated Salts of 4-Dimethylaminopyridinium Decavanadate, (DMAPH) ₆ [V ₁₀ O ₂₈] \cdot nH ₂ O. <i>Crystals</i> , 2016, 6, 65.	2.2	18
32	Metforminium Decavanadate as a Potential Metallopharmaceutical Drug for the Treatment of Diabetes Mellitus. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-14.	4.0	44
33	Energy Drink Administration in Combination with Alcohol Causes an Inflammatory Response and Oxidative Stress in the Hippocampus and Temporal Cortex of Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-9.	4.0	27
34	A high calorie diet causes memory loss, metabolic syndrome and oxidative stress into hippocampus and temporal cortex of rats. <i>Synapse</i> , 2015, 69, 421-433.	1.2	73
35	Chronic Cadmium Exposure Lead to Inhibition of Serum and Hepatic Alkaline Phosphatase Activity in Wistar Rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 587-594.	3.0	10
36	Hypoglycemic, lipid-lowering and metabolic regulation activities of metforminium decavanadate (H ₂ Metf) ₃ [V ₁₀ O ₂₈] \cdot 8H ₂ O using hypercaloric-induced carbohydrate and lipid deregulation in Wistar rats as biological model. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 85-92.	3.5	47

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37	Chronic cadmium exposure in rats produces pancreatic impairment and insulin resistance in multiple peripheral tissues. Archives of Biochemistry and Biophysics, 2015, 583, 27-35.	3.0	67
38	A mixture of chamomile and star anise has anti-motility and antidiarrheal activities in mice. Revista Brasileira De Farmacognosia, 2014, 24, 419-424.	1.4	12