# Samuel TreviÃ±o Mora

List of Publications by Year
in descending order



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|---|---|---|---|
| 38 papers | 1,114 citations | 430874 18 h-index | 414414 32 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 1450 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Vanadium in Biological Action: Chemical, Pharmacological Aspects, and Metabolic Implications in Diabetes Mellitus. Biological Trace Element Research, 2019, 188, 68-98. | 3.5 | 209 |
| 2 | Alzheimer's disease and metabolic syndrome: A link from oxidative stress and inflammation to neurodegeneration. Synapse, 2017, 71, e21990. | 1.2 | 131 |
| 3 | A high calorie diet causes memory loss, metabolic syndrome and oxidative stress into hippocampus and temporal cortex of rats. Synapse, 2015, 69, 421-433. | 1.2 | 73 |
| 4 | 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 |
| 5 | Vanadium and insulin: Partners in metabolic regulation. Journal of Inorganic Biochemistry, 2020, 208, 111094. | 3.5 | 57 |
| 6 | Hypoglycemic, lipid-lowering and metabolic regulation activities of metforminium decavanadate (H2Metf)3 [V10O28]Â·8H2O using hypercaloric-induced carbohydrate and lipid deregulation in Wistar rats as biological model. Journal of Inorganic Biochemistry, 2015, 147, 85-92. | 3.5 | 47 |
| 7 | Metforminium Decavanadate as a Potential Metallopharmaceutical Drug for the Treatment of Diabetes Mellitus. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-14. | 4.0 | 44 |
| 8 | Decavanadate Salts of Cytosine and Metformin: A Combined Experimental-Theoretical Study of Potential Metallodrugs Against Diabetes and Cancer. Frontiers in Chemistry, 2018, 6, 402. | 3.6 | 40 |
| 9 | Metabolic syndrome causes recognition impairments and reduced hippocampal neuronal plasticity in rats. Journal of Chemical Neuroanatomy, 2017, 82, 65-75. | 2.1 | 28 |
| 10 | 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. Neurochemical Research, 2019, 44, 485-497. | 3.3 | 28 |
| 11 | Energy Drink Administration in Combination with Alcohol Causes an Inflammatory Response and Oxidative Stress in the Hippocampus and Temporal Cortex of Rats. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9. | 4.0 | 27 |
| 12 | Metformin-decavanadate treatment ameliorates hyperglycemia and redox balance of the liver and muscle in a rat model of alloxan-induced diabetes. New Journal of Chemistry, 2019, 43, 17850-17862. | 2.8 | 27 |
| 13 | Changes on serum and hepatic lipidome after a chronic cadmium exposure in Wistar rats. Archives of Biochemistry and Biophysics, 2017, 635, 52-59. | 3.0 | 23 |
| 14 | Gallic acid improves recognition memory and decreases oxidativeâ€inflammatory damage in the rat hippocampus with metabolic syndrome. Synapse, 2021, 75, e22186. | 1.2 | 22 |
| 15 | The Effects of Non-selective Dopamine Receptor Activation by Apomorphine in the Mouse Hippocampus. Molecular Neurobiology, 2018, 55, 8625-8636. | 4.0 | 20 |
| 16 | Metabolic Syndrome Exacerbates the Recognition Memory Impairment and Oxidative-Inflammatory Response in Rats with an Intrahippocampal Injection of Amyloid Beta 1â€“42. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13. | 4.0 | 20 |
| 17 | Pharmacological and Toxicological Threshold of Bisammonium Tetrakis 4-(N,N-Dimethylamino)pyridinium Decavanadate in a Rat Model of Metabolic Syndrome and Insulin Resistance. Bioinorganic Chemistry and Applications, 2018, 2018, 1-13. | 4.1 | 20 |
| 18 | The treatment of Goji berry (Lycium barbarum) improves the neuroplasticity of the prefrontal cortex and hippocampus in aged rats. Journal of Nutritional Biochemistry, 2020, 83, 108416. | 4.2 | 19 |

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|---|---|---|---|
| 19 | Synthesis and 3D Network Architecture of 1- and 16-Hydrated Salts of 4-Dimethylaminopyridinium Decavanadate, (DMAPH)6[V10O28]Â·nH2O. Crystals, 2016, 6, 65. | 2.2 | 18 |
| 20 | The NOAEL Metformin Dose Is Ineffective against Metabolic Disruption Induced by Chronic Cadmium Exposure in Wistar Rats. Toxics, 2018, 6, 55. | 3.7 | 18 |
| 21 | Effects of metformin on recognition memory and hippocampal neuroplasticity in rats with metabolic syndrome. Synapse, 2020, 74, e22153. | 1.2 | 17 |
| 22 | Oral Subacute Exposure to Cadmium LOAEL Dose Induces Insulin Resistance and Impairment of the Hormonal and Metabolic Liver-Adipose Axis in Wistar Rats. Biological Trace Element Research, 2022, 200, 4370-4384. | 3.5 | 17 |
| 23 | The aminoestrogen prolame increases recognition memory and hippocampal neuronal spine density in aged mice. Synapse, 2017, 71, e21987. | 1.2 | 15 |
| 24 | Epicatechin Reduces Spatial Memory Deficit Caused by Amyloid-Î²25â€“35 Toxicity Modifying the Heat Shock Proteins in the CA1 Region in the Hippocampus of Rats. Antioxidants, 2019, 8, 113. | 5.1 | 15 |
| 25 | Type 2 Diabetes Alters Intracellular Ca2+ Handling in Native Endothelium of Excised Rat Aorta. International Journal of Molecular Sciences, 2020, 21, 250. | 4.1 | 15 |
| 26 | 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 |
| 27 | Aortic dysfunction by chronic cadmium exposure is linked to multiple metabolic risk factors that converge in anion superoxide production. Archives of Physiology and Biochemistry, 2020, , 1-9. | 2.1 | 11 |
| 28 | Chronic Cadmium Exposure Lead to Inhibition of Serum and Hepatic Alkaline Phosphatase Activity in Wistar Rats. Journal of Biochemical and Molecular Toxicology, 2015, 29, 587-594. | 3.0 | 10 |
| 29 | Hepatic mobilization of zinc after an experimental surgery, and its relationship with inflammatory cytokines release, and expression of metallothionein and Zip14 transporter. Inflammation Research, 2017, 66, 167-175. | 4.0 | 10 |
| 30 | Metforminium Decavanadate (MetfDeca) Treatment Ameliorates Hippocampal Neurodegeneration and Recognition Memory in a Metabolic Syndrome Model. Neurochemical Research, 2021, 46, 1151-1165. | 3.3 | 10 |
| 31 | Sodium metavanadate treatment improves glycogen levels in multiple tissues in a model of metabolic syndrome caused by chronic cadmium exposure in Wistar rats. BioMetals, 2021, 34, 245-258. | 4.1 | 9 |
| 32 | The Impact of Urbanization on Water Quality: Case Study on the Alto Atoyac Basin in Puebla, Mexico. Sustainability, 2022, 14, 667. | 3.2 | 8 |
| 33 | Effect of cadmium administration on the antioxidant system and neuronal death in the hippocampus of rats. Synapse, 2022, 76, . | 1.2 | 7 |
| 34 | Taurine Increases Zinc Preconditioning-Induced Prevention of Nitrosative Stress, Metabolic Alterations, and Motor Deficits in Young Rats following Intrauterine Ischemia. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-20. | 4.0 | 5 |
| 35 | Kidney Adaptations Prevent Loss of Trace Elements in Wistar Rats with Early Metabolic Syndrome. Biological Trace Element Research, 2021, 199, 1941-1953. | 3.5 | 4 |
| 36 | Clinical monitored in subjects metabolically healthy and unhealthy before and during a SARS-CoV-2 infectionâ€“ A cross-sectional study in Mexican population. Cytokine, 2022, 153, 155868. | 3.2 | 4 |

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|---|---|---|---|
| 37 | 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. Synapse, 2021, 75, e22193. | 1.2 | 2 |
| 38 | Mixture of Toxic Metals and Volatile Organic Compounds in a River Induces Cytotoxicity. Journal of Chemistry, 2022, 2022, 1-9. | 1.9 | 2 |