

Marvin A Soriano-UrsÃ³a

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Boron-containing compounds: chemico-biological properties and expanding medicinal potential in prevention, diagnosis and therapy. <i>Expert Opinion on Therapeutic Patents</i> , 2014, 24, 485-500.	2.4	77
2	Current data regarding the structure-toxicity relationship of boron-containing compounds. <i>Toxicology Letters</i> , 2016, 258, 115-125.	0.4	58
3	Boron-containing acids: Preliminary evaluation of acute toxicity and access to the brain determined by Raman scattering spectroscopy. <i>NeuroToxicology</i> , 2014, 40, 8-15.	1.4	43
4	Flavolignans from Silymarin as Nrf2 Bioactivators and Their Therapeutic Applications. <i>Biomedicines</i> , 2020, 8, 122.	1.4	28
5	Turning Fear of Boron Toxicity into Boron-containing Drug Design. <i>Current Medicinal Chemistry</i> , 2019, 26, 5005-5018.	1.2	27
6	Recent Structural Advances of β_1 and β_2 Adrenoceptors Yield Keys for Ligand Recognition and Drug Design. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8207-8223.	2.9	26
7	Effects of boron-containing compounds on immune responses: review and patenting trends. <i>Expert Opinion on Therapeutic Patents</i> , 2019, 29, 339-351.	2.4	26
8	Hepatoprotective effect of <i>Geranium schiedeanum</i> against ethanol toxicity during liver regeneration. <i>World Journal of Gastroenterology</i> , 2015, 21, 7718.	1.4	21
9	Boron TM s journey: advances in the study and application of pharmacokinetics. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 203-215.	2.4	19
10	Synthesis, pharmacological and in silico evaluation of 1-(4-di-hydroxy-3,5-dioxa-4-borabicyclo[4.4.0]deca-7,9,11-trien-9-yl)-2-(tert-butylamino)ethanol, a compound designed to act as a β_2 adrenoceptor agonist. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2840-2846.	2.6	18
11	Isoindolines/isoindoline-1,3-diones as AChE inhibitors against Alzheimer TM s disease, evaluated by an improved ultra-micro assay. <i>Medicinal Chemistry Research</i> , 2018, 27, 2187-2198.	1.1	18
12	Cell-based and in-silico studies on the high intrinsic activity of two boron-containing salbutamol derivatives at the human β_2 -adrenoceptor. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 933-941.	1.4	17
13	<i>Candida glabrata</i> Antifungal Resistance and Virulence Factors, a Perfect Pathogenic Combination. <i>Pharmaceutics</i> , 2021, 13, 1529.	2.0	17
14	2-Aminoethyldiphenyl Borinate: A Multitarget Compound with Potential as a Drug Precursor. <i>Current Molecular Pharmacology</i> , 2020, 13, 57-75.	0.7	17
15	Scope and Difficulty in Generating Theoretical Insights Regarding Ligand Recognition and Activation of the β_2 Adrenergic Receptor. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 923-932.	2.9	16
16	Profile of three boron-containing compounds on the body weight, metabolism and inflammatory markers of diabetic rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 424-429.	1.5	16
17	Theoretical study of 3-D molecular similarity and ligand binding modes of orthologous human and rat D2 dopamine receptors. <i>Computers in Biology and Medicine</i> , 2011, 41, 537-545.	3.9	14
18	Design, synthesis and in vitro evaluation of (R)-4-(2-(tert-butylamino)-1-hydroxyethyl)-2-(hydroxymethyl)phenyl hydrogen phenylboronate: A novel salbutamol derivative with high intrinsic efficacy on the β_2 adrenoceptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5623-5629.	1.0	13

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19	Design, in silico studies, synthesis and in vitro evaluation of oseltamivir derivatives as inhibitors of neuraminidase from influenza A virus H1N1. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 154-167.	2.6	13
20	Docking studies on a refined human β_2 adrenoceptor model yield theoretical affinity values in function with experimental values for R-ligands, but not for S-antagonists. <i>Journal of Molecular Modeling</i> , 2010, 16, 401-409.	0.8	11
21	Not all boronic acids with a five-membered cycle induce tremor, neuronal damage and decreased dopamine. <i>NeuroToxicology</i> , 2017, 62, 92-99.	1.4	11
22	Several effects of boron are induced by uncoupling steroid hormones from their transporters in blood. <i>Medical Hypotheses</i> , 2018, 118, 78-83.	0.8	11
23	Beta-blockers and salbutamol limited emotional memory disturbance and damage induced by orchietomy in the rat hippocampus. <i>Life Sciences</i> , 2019, 224, 128-137.	2.0	11
24	Pharmacokinetics and tissue distribution of N-(2-hydroxyphenyl)-2-propylpentanamide in Wistar Rats and its binding properties to human serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 162, 130-139.	1.4	11
25	Effects of boron-containing compounds in the fungal kingdom. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 65, 126714.	1.5	11
26	Effect of tibolone pretreatment on kinases and phosphatases that regulate the expression and phosphorylation of Tau in the hippocampus of rats exposed to ozone. <i>Neural Regeneration Research</i> , 2018, 13, 440.	1.6	11
27	Homology modeling and flex-ligand docking studies on the guinea pig β_2 adrenoceptor: structural and experimental similarities/ differences with the human β_2 . <i>Journal of Molecular Modeling</i> , 2009, 15, 1203-1211.	0.8	10
28	Disruption of motor behavior and injury to the CNS induced by 3-thienylboronic acid in mice. <i>Toxicology and Applied Pharmacology</i> , 2016, 307, 130-137.	1.3	10
29	Crystal structure, DFT calculations and evaluation of 2-(2-(3,4-dimethoxyphenyl)ethyl)isoindoline-1,3-dione as AChE inhibitor. <i>Chemistry Central Journal</i> , 2018, 12, 74.	2.6	10
30	Cell-based assays and molecular dynamics analysis of a boron-containing agonist with different profiles of binding to human and guinea pig β_2 adrenoceptors. <i>European Biophysics Journal</i> , 2019, 48, 83-97.	1.2	10
31	Diversity of effects induced by boron-containing compounds on immune response cells and on antibodies in basal state. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 69, 126901.	1.5	10
32	Give Boron a Chance: Boron Containing Compounds Reach Ionotropic and Metabotropic Transmembrane Receptors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2011, 11, 1031-1038.	1.1	9
33	In Vitro and Molecular Modeling Analysis of Two Mutant Desert Hedgehog Proteins Associated with 46,XY Gonadal Dysgenesis. <i>DNA and Cell Biology</i> , 2013, 32, 524-530.	0.9	9
34	Homology model and docking studies on porcine β_2 adrenoceptor: description of two binding sites. <i>Journal of Molecular Modeling</i> , 2011, 17, 2525-2538.	0.8	8
35	Anticonvulsant effects of bis-1,4-dihydropyridines and the probable role of L-type calcium channels suggested by docking simulations. <i>Medicinal Chemistry Research</i> , 2014, 23, 5149-5159.	1.1	8
36	Insights on the role of boron containing moieties in the design of new potent and efficient agonists targeting the β_2 adrenoceptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 820-825.	1.0	8

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37	Monoamines and their Derivatives on GPCRs: Potential Therapy for Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019, 16, 871-894.	0.7	8
38	Pharmacokinetic parameters and a theoretical study about metabolism of BR-AEA (a salbutamol) Tj ETQq0 0 0 rgBT/Overlock,10 Tf 50 7	2.5	7
39	Clinical Implications of Recent Insights into the Structural Biology of Beta2 Adrenoceptors. <i>Current Drug Targets</i> , 2012, 13, 1336-1346.	1.0	7
40	Triallelic digenic mutation in the <i>prokineticin 2</i> and <i>GNRH</i> receptor genes in two brothers with normosmic congenital hypogonadotropic hypogonadism. <i>Endocrine Research</i> , 2015, 40, 166-171.	0.6	7
41	Docking Simulations Exhibit Bortezomib and other Boron-containing Peptidomimetics as Potential Inhibitors of SARS-CoV-2 Main Protease. <i>Current Chemical Biology</i> , 2021, 14, 279-288.	0.2	7
42	Synthesis and Biological Evaluation of Novel 2,3-disubstituted Benzofuran Analogues of GABA as Neurotropic Agents. <i>Medicinal Chemistry</i> , 2019, 15, 77-86.	0.7	7
43	Insights into the structural biology of G-protein coupled receptors impacts drug design for central nervous system neurodegenerative processes. <i>Neural Regeneration Research</i> , 2013, 8, 2290-302.	1.6	7
44	Polyphenols as potential enhancers of stem cell therapy against neurodegeneration. <i>Neural Regeneration Research</i> , 2022, 17, 2093.	1.6	7
45	Synthesis, In Silico, and Biological Evaluation of a Borinic Tryptophan-Derivative That Induces Melatonin-like Amelioration of Cognitive Deficit in Male Rat. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3229.	1.8	7
46	Chemico-Biological Activity and Medicinal Chemistry of Boron-Containing Compounds. <i>Current Medicinal Chemistry</i> , 2019, 26, 5003-5004.	1.2	6
47	Olive oil limited motor disruption and neuronal damage in parkinsonism induced by MPTP administration. <i>Toxicology Research and Application</i> , 2020, 4, 239784732092293.	0.7	6
48	Advances of Bioinformatics Applied to Development and Evaluation of Boron-Containing Compounds. <i>Current Organic Chemistry</i> , 2018, 22, 298-306.	0.9	6
49	Insights into a defined secondary binding region on β^2 -adrenoceptors and putative roles in ligand binding and drug design. <i>MedChemComm</i> , 2015, 6, 991-1002.	3.5	5
50	Design, synthesis and in vitro evaluation of a Dopa-organoboron compound that acts as a bladder relaxant through non-catecholamine receptors. <i>Molecular Diversity</i> , 2019, 23, 361-370.	2.1	5
51	Identification of two arylimides as cholinesterase inhibitors and testing of propranolol addition on impaired rat memory. <i>Drug Development Research</i> , 2020, 81, 256-266.	1.4	5
52	Inhibitory activity on cholinesterases produced by aryl-phthalimide derivatives: green synthesis, in silico and in vitro evaluation. <i>Medicinal Chemistry Research</i> , 2020, 29, 1030-1040.	1.1	5
53	More than boric acid: Increasing relevance of boron in medicine. <i>World Journal of Translational Medicine</i> , 2018, 7, 1-4.	3.5	5
54	Interactions of a boron-containing levodopa derivative on D2 dopamine receptor and its effects in a Parkinson disease model. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 121-131.	1.1	5

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55	Molecular dynamics simulations to explore the active/inactive conformers of guinea pig β_2 adrenoceptor for the selective design of agonists or antagonists. <i>Molecular Simulation</i> , 2014, 40, 1244-1254.	0.9	4
56	o-Alkylselenenylated Benzoic Acid Accesses Several Sites in Serum Albumin According to Fluorescence Studies, Raman Spectroscopy and Theoretical Simulations. <i>Protein and Peptide Letters</i> , 2013, 20, 705-714.	0.4	4
57	Scope of Lipid Nanoparticles in Neuroscience: Impact on the Treatment of Neurodegenerative Diseases. <i>Current Pharmaceutical Design</i> , 2017, 23, 3120-3133.	0.9	4
58	Scope of translational medicine in developing boron-containing compounds for therapeutics. <i>World Journal of Translational Medicine</i> , 2017, 6, 1.	3.5	4
59	Does the Fetus Limit Antibiotic Treatment in Pregnant Patients with COVID-19?. <i>Antibiotics</i> , 2022, 11, 252.	1.5	4
60	Identification and evaluation of boronic compounds ameliorating cognitive deficit in orchietomized rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 72, 126979.	1.5	4
61	Global longitudinal strain is superior to ejection fraction for detecting myocardial dysfunction in end-stage renal disease with hyperparathyroidism. <i>World Journal of Cardiology</i> , 2022, 14, 239-249.	0.5	4
62	1-Boc-Piperidine-4-Carboxaldehyde Prevents Binge-Eating Behaviour and Anxiety in Rats. <i>Pharmacology</i> , 2021, 106, 305-315.	0.9	3
63	In silico and in vivo neuropharmacological evaluation of two β^3 -amino acid isomers derived from 2,3-disubstituted benzofurans, as ligands of GluN1 and GluN2A NMDA receptor. <i>Amino Acids</i> , 2022, 54, 215-228.	1.2	2
64	The 1-methylxanthine affinity for A2A adenosine receptors is similar to caffeine, theobromine, theophylline and adenosine. The importance of xanthine core.. <i>Parkinsonism and Related Disorders</i> , 2016, 22, e100-e101.	1.1	1
65	Differences in brain regions of three mice strains identified by label-free micro-Raman. <i>Spectroscopy Letters</i> , 2018, 51, 356-366.	0.5	1
66	Anticonvulsant and Toxicological Evaluation of Parafluorinated/Chlorinated Derivatives of 3-Hydroxy-3-ethyl-3-phenylpropionamide. <i>BioMed Research International</i> , 2016, 2016, 1-10.	0.9	0
67	Acute toxicity profile of boron containing aryethanolamines and their precursors in mice. <i>FASEB Journal</i> , 2012, 26, lb587.	0.2	0
68	In silico evaluation, synthesis and characterization of a boron containing aryethanolamine which reverts the mouse motor deficit induced by MPTP administration. <i>FASEB Journal</i> , 2012, 26, lb572.	0.2	0
69	Theoretical Coupling and Stability of Boronic Acid Adducts with Catecholamines. <i>Letters in Drug Design and Discovery</i> , 2019, 16, 467-475.	0.4	0