David Ramirez

List of Publications by Year in Descending Order

37 papers	780 citations	12 h-index	27 g-index
44 ext. papers	1,127 ext. citations	5.4 avg, IF	4.76 L-index

#	Paper	IF	Citations
37	TDP-43 Modulation by Tau-Tubulin Kinase 1 Inhibitors: A New Avenue for Future Amyotrophic Lateral Sclerosis Therapy.. *Journal of Medicinal Chemistry*, **2022**,	8.3	2
36	Crystal structure, Hirshfeld surface analysis, and molecular dynamics simulations of two isostructural N-propargyl-4-(2-oxopyrrolidin-1-yl)-1,2,3,4-tetrahydroquinolines. *Journal of Molecular Structure*, **2022**, 1254, 132280	3.4	0
35	Identification of HMGCR, PPGARG and prohibitin as potential druggable targets of dihydrotestosterone for treatment against traumatic brain injury using system pharmacology.. *International Immunopharmacology*, **2022**, 108, 108721	5.8	0
34	Host-Directed FDA-Approved Drugs with Antiviral Activity against SARS-CoV-2 Identified by Hierarchical In Silico/In Vitro Screening Methods. *Pharmaceuticals*, **2021**, 14,	5.2	9
33	Identification of a critical binding site for local anaesthetics in the side pockets of K 1 channels. *British Journal of Pharmacology*, **2021**, 178, 3034-3048	8.6	1
32	5-(Indol-2-yl)pyrazolo[3,4-]pyridines as a New Family of TASK-3 Channel Blockers: A Pharmacophore-Based Regioselective Synthesis. *Molecules*, **2021**, 26,	4.8	1
31	Targeting nuclear protein TDP-43 by cell division cycle kinase 7 inhibitors: A new therapeutic approach for amyotrophic lateral sclerosis. *European Journal of Medicinal Chemistry*, **2021**, 210, 112968	6.8	9
30	PSC-db: A Structured and Searchable 3D-Database for Plant Secondary Compounds. *Molecules*, **2021**, 26,	4.8	5
29	From Kinase Inhibitors to Multitarget Ligands as Powerful Drug Leads for Alzheimer's Disease using Protein-Templated Synthesis. *Angewandte Chemie - International Edition*, **2021**, 60, 19344-19354	16.4	2
28	Antimicrobial properties of novel ionic liquids derived from imidazolium cation with phenolic functional groups. *Bioorganic Chemistry*, **2021**, 115, 105289	5.1	2
27	Application of ensemble pharmacophore-based virtual screening to the discovery of novel antimitotic tubulin inhibitors. *Computational and Structural Biotechnology Journal*, **2021**, 19, 4360-4372	6.8	3
26	COVID-19: Drug Targets and Potential Treatments. *Journal of Medicinal Chemistry*, **2020**, 63, 12359-12386	8.3	207
25	Elucidating the Structural Basis of the Intracellular pH Sensing Mechanism of TASK-2 KP Channels. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
24	Identification of Mycobacterium tuberculosis CtpF as a target for designing new antituberculous compounds. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115256	3.4	3
23	Analysis of the Toxin Found in the Genome of the Chilean Non-toxigenic Strain PMC53.7. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 482	5.9	7
22	Discovery of Novel TASK-3 Channel Blockers Using a Pharmacophore-Based Virtual Screening. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	11
21	Structure/Activity Analysis of TASK-3 Channel Antagonists Based on a 5,6,7,8 tetrahydropyrido[4,3-d]pyrimidine. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8

20	The interplay of the metallosensor CueR with two distinct CopZ chaperones defines copper homeostasis in. *Journal of Biological Chemistry*, **2019**, 294, 4934-4945	5.4	10
19	TASK Channels Pharmacology: New Challenges in Drug Design. *Journal of Medicinal Chemistry*, **2019**, 62, 10044-10058	8.3	11
18	The molecular basis for an allosteric inhibition of K-flux gating in K channels. *ELife*, **2019**, 8,	8.9	16
17	Theoretical and Experimental Approaches Aimed at Drug Design Targeting Neurodegenerative Diseases. *Processes*, **2019**, 7, 940	2.9	5
16	An important role for periplasmic storage in Pseudomonas aeruginosa copper homeostasis revealed by a combined experimental and computational modeling study. *Molecular Microbiology*, **2018**, 110, 357-369	4.1	7
15	Is It Reliable to Take the Molecular Docking Top Scoring Position as the Best Solution without Considering Available Structural Data?. *Molecules*, **2018**, 23,	4.8	116
14	HCN Channels: New Therapeutic Targets for Pain Treatment. *Molecules*, **2018**, 23,	4.8	11
13	Novel Alkylimidazolium Ionic Liquids as an Antibacterial Alternative to Pathogens of the Skin and Soft Tissue Infections. *Molecules*, **2018**, 23,	4.8	30
12	Exploring and understanding the functional role, and biochemical and structural characteristics of an acidic phospholipase A AplTx-I, purified from Agkistrodon piscivorus leucostoma snake venom. *Toxicon*, **2017**, 127, 22-36	2.8	5
11	Side Fenestrations Provide an "Anchor" for a Stable Binding of A1899 to the Pore of TASK-1 Potassium Channels. *Molecular Pharmaceutics*, **2017**, 14, 2197-2208	5.6	11
10	Origin and evolution of transporter substrate specificity within the NPF family. *ELife*, **2017**, 6,	8.9	48
9	Computational Studies of Snake Venom Toxins. *Toxins*, **2017**, 10,	4.9	12
8	Conotoxins as Tools to Understand the Physiological Function of Voltage-Gated Calcium (Ca) Channels. *Marine Drugs*, **2017**, 15,	6	25
7	CoaTx-II, a new dimeric Lys49 phospholipase A2 from Crotalus oreganus abyssus snake venom with bactericidal potential: Insights into its structure and biological roles. *Toxicon*, **2016**, 120, 147-58	2.8	19
6	Functional mutagenesis screens reveal the Tcap structureTformation in disulfide-bridge free TASK channels. *Scientific Reports*, **2016**, 6, 19492	4.9	12
5	Computational Methods Applied to Rational Drug Design. *Open Medicinal Chemistry Journal*, **2016**, 10, 7-20	1.2	24
4	Is It Reliable to Use Common Molecular Docking Methods for Comparing the Binding Affinities of Enantiomer Pairs for Their Protein Target?. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	67
3	Novel N-allyl/propargyl tetrahydroquinolines: Synthesis via Three-component Cationic Imino Diels-Alder Reaction, Binding Prediction, and Evaluation as Cholinesterase Inhibitors. *Chemical Biology and Drug Design*, **2016**, 88, 498-510	2.9	31

2	Kβ channels in plants and animals. *Pflugers Archiv European Journal of Physiology*, **2015**, 467, 1091-104	4.6	10
1	Kv1.5 blockers preferentially inhibit TASK-1 channels: TASK-1 as a target against atrial fibrillation and obstructive sleep apnea?. *Pflugers Archiv European Journal of Physiology*, **2015**, 467, 1081-90	4.6	36