

David Ramirez

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	COVID-19: Drug Targets and Potential Treatments. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 12359-12388,	8.3	207
36	Is It Reliable to Take the Molecular Docking Top Scoring Position as the Best Solution without Considering Available Structural Data?. <i>Molecules</i> , 2018 , 23,	4.8	116
35	Is It Reliable to Use Common Molecular Docking Methods for Comparing the Binding Affinities of Enantiomer Pairs for Their Protein Target?. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	67
34	Origin and evolution of transporter substrate specificity within the NPF family. <i>ELife</i> , 2017 , 6,	8.9	48
33	Kv1.5 blockers preferentially inhibit TASK-1 channels: TASK-1 as a target against atrial fibrillation and obstructive sleep apnea?. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 1081-90	4.6	36
32	Novel N-allyl/propargyl tetrahydroquinolines: Synthesis via Three-component Cationic Imino Diels-Alder Reaction, Binding Prediction, and Evaluation as Cholinesterase Inhibitors. <i>Chemical Biology and Drug Design</i> , 2016 , 88, 498-510	2.9	31
31	Novel Alkylimidazolium Ionic Liquids as an Antibacterial Alternative to Pathogens of the Skin and Soft Tissue Infections. <i>Molecules</i> , 2018 , 23,	4.8	30
30	Conotoxins as Tools to Understand the Physiological Function of Voltage-Gated Calcium (Ca) Channels. <i>Marine Drugs</i> , 2017 , 15,	6	25
29	Computational Methods Applied to Rational Drug Design. <i>Open Medicinal Chemistry Journal</i> , 2016 , 10, 7-20	1.2	24
28	CoaTx-II, a new dimeric Lys49 phospholipase A2 from <i>Crotalus oreganus abyssus</i> snake venom with bactericidal potential: Insights into its structure and biological roles. <i>Toxicon</i> , 2016 , 120, 147-58	2.8	19
27	The molecular basis for an allosteric inhibition of K-flux gating in K channels. <i>ELife</i> , 2019 , 8,	8.9	16
26	Functional mutagenesis screens reveal the Tap structureTformation in disulfide-bridge free TASK channels. <i>Scientific Reports</i> , 2016 , 6, 19492	4.9	12
25	Computational Studies of Snake Venom Toxins. <i>Toxins</i> , 2017 , 10,	4.9	12
24	Side Fenestrations Provide an "Anchor" for a Stable Binding of A1899 to the Pore of TASK-1 Potassium Channels. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2197-2208	5.6	11
23	Discovery of Novel TASK-3 Channel Blockers Using a Pharmacophore-Based Virtual Screening. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
22	HCN Channels: New Therapeutic Targets for Pain Treatment. <i>Molecules</i> , 2018 , 23,	4.8	11
21	TASK Channels Pharmacology: New Challenges in Drug Design. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 10044-10058	8.3	11

20	The interplay of the metallosensor CueR with two distinct CopZ chaperones defines copper homeostasis in. <i>Journal of Biological Chemistry</i> , 2019 , 294, 4934-4945	5.4	10
19	K ⁺ channels in plants and animals. <i>Pflügers Archiv European Journal of Physiology</i> , 2015 , 467, 1091-104	4.6	10
18	Host-Directed FDA-Approved Drugs with Antiviral Activity against SARS-CoV-2 Identified by Hierarchical In Silico/In Vitro Screening Methods. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	9
17	Targeting nuclear protein TDP-43 by cell division cycle kinase 7 inhibitors: A new therapeutic approach for amyotrophic lateral sclerosis. <i>European Journal of Medicinal Chemistry</i> , 2021 , 210, 112968	6.8	9
16	Structure/Activity Analysis of TASK-3 Channel Antagonists Based on a 5,6,7,8 tetrahydropyrido[4,3-d]pyrimidine. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
15	An important role for periplasmic storage in <i>Pseudomonas aeruginosa</i> copper homeostasis revealed by a combined experimental and computational modeling study. <i>Molecular Microbiology</i> , 2018 , 110, 357-369	4.1	7
14	Analysis of the Toxin Found in the Genome of the Chilean Non-toxigenic Strain PMC53.7. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 482	5.9	7
13	Exploring and understanding the functional role, and biochemical and structural characteristics of an acidic phospholipase A AplTx-I, purified from <i>Agkistrodon piscivorus leucostoma</i> snake venom. <i>Toxicon</i> , 2017 , 127, 22-36	2.8	5
12	Theoretical and Experimental Approaches Aimed at Drug Design Targeting Neurodegenerative Diseases. <i>Processes</i> , 2019 , 7, 940	2.9	5
11	PSC-db: A Structured and Searchable 3D-Database for Plant Secondary Compounds. <i>Molecules</i> , 2021 , 26,	4.8	5
10	Elucidating the Structural Basis of the Intracellular pH Sensing Mechanism of TASK-2 KP Channels. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
9	Identification of <i>Mycobacterium tuberculosis</i> CtpF as a target for designing new antituberculous compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115256	3.4	3
8	Application of ensemble pharmacophore-based virtual screening to the discovery of novel antimetabolic tubulin inhibitors. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 4360-4372	6.8	3
7	TDP-43 Modulation by Tau-Tubulin Kinase 1 Inhibitors: A New Avenue for Future Amyotrophic Lateral Sclerosis Therapy.. <i>Journal of Medicinal Chemistry</i> , 2022 ,	8.3	2
6	From Kinase Inhibitors to Multitarget Ligands as Powerful Drug Leads for Alzheimer's Disease using Protein-Templated Synthesis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19344-19354	16.4	2
5	Antimicrobial properties of novel ionic liquids derived from imidazolium cation with phenolic functional groups. <i>Bioorganic Chemistry</i> , 2021 , 115, 105289	5.1	2
4	Identification of a critical binding site for local anaesthetics in the side pockets of K ⁺ 1 channels. <i>British Journal of Pharmacology</i> , 2021 , 178, 3034-3048	8.6	1
3	5-(Indol-2-yl)pyrazolo[3,4- <i>b</i>]pyridines as a New Family of TASK-3 Channel Blockers: A Pharmacophore-Based Regioselective Synthesis. <i>Molecules</i> , 2021 , 26,	4.8	1

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| 2 | Crystal structure, Hirshfeld surface analysis, and molecular dynamics simulations of two isostructural N-propargyl-4-(2-oxopyrrolidin-1-yl)-1,2,3,4-tetrahydroquinolines. <i>Journal of Molecular Structure</i> , 2022 , 1254, 132280 | 3.4 | o |
| 1 | Identification of HMGCR, PPGARG and prohibitin as potential druggable targets of dihydrotestosterone for treatment against traumatic brain injury using system pharmacology.. <i>International Immunopharmacology</i> , 2022 , 108, 108721 | 5.8 | o |