

JosÃ© Antonio Encinar

List of Publications by Year in descending order

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83
papers

2,191
citations

201575

27
h-index

254106

43
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87
all docs

87
docs citations

87
times ranked

3156
citing authors

#	ARTICLE	IF	CITATIONS
1	An Updated Review on Marine Anticancer Compounds: The Use of Virtual Screening for the Discovery of Small-Molecule Cancer Drugs. <i>Molecules</i> , 2017, 22, 1037.	1.7	155
2	Human p8 Is a HMG-I/Y-like Protein with DNA Binding Activity Enhanced by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2001, 276, 2742-2751.	1.6	110
3	Antimicrobial Capacity of Plant Polyphenols against Gram-positive Bacteria: A Comprehensive Review. <i>Current Medicinal Chemistry</i> , 2020, 27, 2576-2606.	1.2	106
4	Resveratrol targets PD-L1 glycosylation and dimerization to enhance antitumor T-cell immunity. <i>Aging</i> , 2020, 12, 8-34.	1.4	99
5	Potential Drugs Targeting Early Innate Immune Evasion of SARS-Coronavirus 2 via 2â€™-O-Methylation of Viral RNA. <i>Viruses</i> , 2020, 12, 525.	1.5	75
6	Clustering and Coupled Gating Modulate the Activity in KcsA, a Potassium Channel Model. <i>Journal of Biological Chemistry</i> , 2006, 281, 18837-18848.	1.6	72
7	Lipid modulation of ion channels through specific binding sites. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1560-1567.	1.4	63
8	Unfolding and Refolding in Vitro of a Tetrameric, Î±-Helical Membrane Protein: The Prokaryotic Potassium Channel KcsA. <i>Biochemistry</i> , 2005, 44, 14344-14352.	1.2	60
9	Influence of C-Terminal Protein Domains and Protein-Lipid Interactions on Tetramerization and Stability of the Potassium Channel KcsA. <i>Biochemistry</i> , 2004, 43, 14924-14931.	1.2	58
10	Multi-Targeted Molecular Effects of Hibiscus sabdariffa Polyphenols: An Opportunity for a Global Approach to Obesity. <i>Nutrients</i> , 2017, 9, 907.	1.7	55
11	Intrinsic Tyrosine Fluorescence as a Tool To Study the Interaction of the Shaker B Peptide with Anionic Membranes. <i>Biochemistry</i> , 2003, 42, 7124-7132.	1.2	47
12	Partitioning of liquid-ordered/liquid-disordered membrane microdomains induced by the fluidifying effect of 2-hydroxylated fatty acid derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2553-2563.	1.4	43
13	Binding of S-Methyl-5-Thioadenosine and S-Adenosyl-L-Methionine to Protein MJ0100 Triggers an Open-to-Closed Conformational Change in Its CBS Motif Pair. <i>Journal of Molecular Biology</i> , 2010, 396, 800-820.	2.0	42
14	Plant-Derived Polyphenols in Human Health: Biological Activity, Metabolites and Putative Molecular Targets. <i>Current Drug Metabolism</i> , 2018, 19, 351-369.	0.7	42
15	Silibinin and SARS-CoV-2: Dual Targeting of Host Cytokine Storm and Virus Replication Machinery for Clinical Management of COVID-19 Patients. <i>Journal of Clinical Medicine</i> , 2020, 9, 1770.	1.0	42
16	Nucleotide binding triggers a conformational change of the CBS module of the magnesium transporter CNNM2 from a twisted towards a flat structure. <i>Biochemical Journal</i> , 2014, 464, 23-34.	1.7	41
17	Looking for inhibitors of the dengue virus NS5 RNA-dependent RNA-polymerase using a molecular docking approach. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 3163-3181.	2.0	38
18	The LSD1 inhibitor iadademstat (ORY-1001) targets SOX2-driven breast cancer stem cells: a potential epigenetic therapy in luminal-B and HER2-positive breast cancer subtypes. <i>Aging</i> , 2020, 12, 4794-4814.	1.4	38

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19	Segregation of Phosphatidic Acid-Rich Domains in Reconstituted Acetylcholine Receptor Membranes. <i>Biochemistry</i> , 2002, 41, 12253-12262.	1.2	37
20	Protein-promoted membrane domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1583-1590.	1.4	37
21	In silico approach for the discovery of new PPARγ modulators among plant-derived polyphenols. <i>Drug Design, Development and Therapy</i> , 2015, 9, 5877.	2.0	37
22	ADAN: a database for prediction of proteinâ€“protein interaction of modular domains mediated by linear motifs. <i>Bioinformatics</i> , 2009, 25, 2418-2424.	1.8	36
23	Turbot (<i>Scophthalmus maximus</i>) Nk-lysin induces protection against the pathogenic parasite <i>Philasterides dicentrarchi</i> via membrane disruption. <i>Fish and Shellfish Immunology</i> , 2018, 82, 190-199.	1.6	34
24	Bisphenol-S and Bisphenol-F alter mouse pancreatic Î²-cell ion channel expression and activity and insulin release through an estrogen receptor ERÎ² mediated pathway. <i>Chemosphere</i> , 2021, 265, 129051.	4.2	34
25	A Protein G Fragment from the Salmonid Viral Hemorrhagic Septicemia Rhabdovirus Induces Cell-to-Cell Fusion and Membrane Phosphatidylserine Translocation at Low pH. <i>Journal of Biological Chemistry</i> , 2001, 276, 46268-46275.	1.6	33
26	Effects of Conducting and Blocking Ions on the Structure and Stability of the Potassium Channel KcsA. <i>Journal of Biological Chemistry</i> , 2006, 281, 29905-29915.	1.6	30
27	Occupancy of Nonannular Lipid Binding Sites on KcsA Greatly Increases the Stability of the Tetrameric Protein. <i>Biochemistry</i> , 2010, 49, 5397-5404.	1.2	30
28	New Mammalian Target of Rapamycin (mTOR) Modulators Derived from Natural Product Databases and Marine Extracts by Using Molecular Docking Techniques. <i>Marine Drugs</i> , 2018, 16, 385.	2.2	29
29	The extra virgin olive oil phenolic oleacein is a dual substrate-inhibitor of catechol-O-methyltransferase. <i>Food and Chemical Toxicology</i> , 2019, 128, 35-45.	1.8	27
30	Antiviral Activity of a Turbot (<i>Scophthalmus maximus</i>) NK-Lysin Peptide by Inhibition of Low-pH Virus-Induced Membrane Fusion. <i>Marine Drugs</i> , 2019, 17, 87.	2.2	27
31	Extra Virgin Olive Oil Contains a Phenolic Inhibitor of the Histone Demethylase LSD1/KDM1A. <i>Nutrients</i> , 2019, 11, 1656.	1.7	26
32	Salmonid viral haemorrhagic septicaemia virus: fusion-related enhancement of virus infectivity by peptides derived from viral glycoprotein G or a combinatorial library. <i>Journal of General Virology</i> , 2002, 83, 2671-2681.	1.3	26
33	Removal of spectral noise in the quantitation of protein structure through infrared band decomposition. , 1997, 3, 469-475.		25
34	Structural stabilization of botulinum neurotoxins by tyrosine phosphorylation. <i>FEBS Letters</i> , 1998, 429, 78-82.	1.3	25
35	The influence of a membrane environment on the structure and stability of a prokaryotic potassium channel, KcsA. <i>FEBS Letters</i> , 2005, 579, 5199-5204.	1.3	24
36	AMPK modulatory activity of oliveâ€“tree leaves phenolic compounds: Bioassay-guided isolation on adipocyte model and in silico approach. <i>PLoS ONE</i> , 2017, 12, e0173074.	1.1	24

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37	De Novo Polymerase Activity and Oligomerization of Hepatitis C Virus RNA-Dependent RNA-Polymerases from Genotypes 1 to 5. <i>PLoS ONE</i> , 2011, 6, e18515.	1.1	23
38	Structure and functionalities of the human c-reactive protein compared to the zebrafish multigene family of c-reactive-like proteins. <i>Developmental and Comparative Immunology</i> , 2017, 69, 33-40.	1.0	21
39	Differential Effects of IGF-1R Small Molecule Tyrosine Kinase Inhibitors BMS-754807 and OSI-906 on Human Cancer Cell Lines. <i>Cancers</i> , 2020, 12, 3717.	1.7	21
40	Structural Properties of the Putative Fusion Peptide of Hepatitis B Virus Upon Interaction with Phospholipids. Circular Dichroism and Fourier-Transform Infrared Spectroscopy Studies. <i>FEBS Journal</i> , 1996, 242, 243-248.	0.2	20
41	Competing Lipid-Protein and Protein-Protein Interactions Determine Clustering and Gating Patterns in the Potassium Channel from <i>Streptomyces lividans</i> (KcsA). <i>Journal of Biological Chemistry</i> , 2015, 290, 25745-25755.	1.6	20
42	Ion Binding to KcsA: Implications in Ion Selectivity and Channel Gating. <i>Biochemistry</i> , 2010, 49, 9480-9487.	1.2	19
43	Neutralization of viral infectivity by zebrafish c-reactive protein isoforms. <i>Molecular Immunology</i> , 2017, 91, 145-155.	1.0	19
44	The Interaction of Temozolomide with Blood Components Suggests the Potential Use of Human Serum Albumin as a Biomimetic Carrier for the Drug. <i>Biomolecules</i> , 2020, 10, 1015.	1.8	19
45	Interaction of the C-Terminal Region of the G β 3 Protein with Model Membranes. <i>Biophysical Journal</i> , 2007, 93, 2530-2541.	0.2	18
46	Chromatin immunoprecipitation and high throughput sequencing of SVCV-infected zebrafish reveals novel epigenetic histone methylation patterns involved in antiviral immune response. <i>Fish and Shellfish Immunology</i> , 2018, 82, 514-521.	1.6	16
47	Revisiting silibinin as a novobiocin-like Hsp90 α -C-terminal inhibitor: Computational modeling and experimental validation. <i>Food and Chemical Toxicology</i> , 2019, 132, 110645.	1.8	16
48	The Potential Synergistic Modulation of AMPK by <i>Lippia citriodora</i> Compounds as a Target in Metabolic Disorders. <i>Nutrients</i> , 2019, 11, 2961.	1.7	16
49	Detergent-labile, supramolecular assemblies of KcsA: Relative abundance and interactions involved. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 193-200.	1.4	15
50	pH-Dependent Solution Structure and Activity of a Reduced Form of the Host-Defense Peptide Myticin C (Myt C) from the Mussel <i>Mytilus galloprovincialis</i> . <i>Marine Drugs</i> , 2013, 11, 2328-2346.	2.2	15
51	IFIT5 Participates in the Antiviral Mechanisms of Rainbow Trout Red Blood Cells. <i>Frontiers in Immunology</i> , 2019, 10, 613.	2.2	15
52	Metformin Is a Pyridoxal-5 α -phosphate (PLP)-Competitive Inhibitor of SHMT2. <i>Cancers</i> , 2021, 13, 4009.	1.7	15
53	Interaction between ion channel-inactivating peptides and anionic phospholipid vesicles as model targets. <i>Biophysical Journal</i> , 1996, 71, 1313-1323.	0.2	13
54	Metal-triggered changes in the stability and secondary structure of a tetrameric dihydropyrimidinase: A biophysical characterization. <i>Biophysical Chemistry</i> , 2009, 139, 42-52.	1.5	13

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55	N-type Inactivation of the Potassium Channel KcsA by the Shaker B α -Peptide. <i>Journal of Biological Chemistry</i> , 2008, 283, 18076-18085.	1.6	12
56	Contribution of Ion Binding Affinity to Ion Selectivity and Permeation in KcsA, a Model Potassium Channel. <i>Biochemistry</i> , 2012, 51, 3891-3900.	1.2	12
57	Quercetin metabolites from <i>Hibiscus sabdariffa</i> contribute to alleviate glucolipototoxicity-induced metabolic stress in vitro. <i>Food and Chemical Toxicology</i> , 2020, 144, 111606.	1.8	11
58	Inactivating peptide of the Shaker B potassium channel: conformational preferences inferred from studies on simple model systems. <i>Biochemical Journal</i> , 1998, 331, 497-504.	1.7	10
59	The CBS Domain Protein MJ0729 of <i>Methanocaldococcus jannaschii</i> Is a Thermostable Protein with a pH-Dependent Self-Oligomerization. <i>Biochemistry</i> , 2009, 48, 2760-2776.	1.2	10
60	Hepatitis C virus polymerase-polymerase contact interface: Significance for virus replication and antiviral design. <i>Antiviral Research</i> , 2014, 108, 14-24.	1.9	10
61	Discovery of nonnucleoside inhibitors of polymerase from infectious pancreatic necrosis virus (IPNV). <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 2337-2359.	2.0	10
62	Tyrosine Phosphorylation of the Inactivating Peptide of the Shaker B Potassium Channel: A Structural-Functional Correlate. <i>Biochemistry</i> , 2002, 41, 12263-12269.	1.2	9
63	An inhibitor of interaction between the transcription factor NRF2 and the E3 ubiquitin ligase adapter β -TrCP delivers anti-inflammatory responses in mouse liver. <i>Redox Biology</i> , 2022, 55, 102396.	3.9	8
64	Structural and Functional Changes Induced in the Nicotinic Acetylcholine Receptor by Membrane Phospholipids. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 121-124.	1.1	7
65	Nicotinic Acetylcholine Receptor Properties are Modulated by Surrounding Lipids: An In Vivo Study. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 5-6.	1.1	7
66	ERK5 signalling pathway is a novel target of sorafenib: Implication in EGF biology. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 10591-10603.	1.6	7
67	Peimine, an Anti-Inflammatory Compound from Chinese Herbal Extracts, Modulates Muscle-Type Nicotinic Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11287.	1.8	7
68	Mutation of Ser-50 and Cys-66 in Snapin Modulates Protein Structure and Stability. <i>Biochemistry</i> , 2012, 51, 3470-3484.	1.2	6
69	Interaction of transmembrane-spanning segments of the β 2-adrenergic receptor with model membranes. <i>Molecular Membrane Biology</i> , 2009, 26, 265-278.	2.0	4
70	Synthesis of a photoaffinity labeling analogue of the inactivating peptide of the Shaker B potassium channel. <i>FEBS Letters</i> , 1996, 398, 81-86.	1.3	3
71	Probing the Channel-Bound Shaker B Inactivating Peptide by Stereoisomeric Substitution at a Strategic Tyrosine Residue. <i>Biochemistry</i> , 2003, 42, 8879-8884.	1.2	3
72	Nucleotide-induced conformational transitions in the CBS domain protein MJ0729 of <i>Methanocaldococcus jannaschii</i> . <i>Protein Engineering, Design and Selection</i> , 2011, 24, 161-169.	1.0	3

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73	The Immune System of Marine Organisms as Source for Drugs against Infectious Diseases. <i>Marine Drugs</i> , 2022, 20, 363.	2.2	3
74	Location, Orientation and Aggregation of Bardoxolone-ME, CDDO-ME, in a Complex Phospholipid Bilayer Membrane. <i>Journal of Membrane Biology</i> , 2020, 253, 115-128.	1.0	2
75	Enzymatic Determination of Phosphatidylcholine, Sphingomyelin and Phosphatidylglycerol in Lipid Dispersions, Blood Cell Membranes and Rat Pulmonary Surfactant. <i>Clinical Chemistry and Laboratory Medicine</i> , 1996, 34, 9-15.	1.4	1
76	34 The segregation of a lipid domain underlies structural and functional modulation of acetylcholine receptor in reconstituted membranes. <i>Journal of Physiology (Paris)</i> , 1998, 92, 432-433.	2.1	1
77	Effect of the inactivating "ball" peptide of Shaker B on intermediate conductance Ca ²⁺ -dependent inwardly rectifying K ⁺ channels of HeLa cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1999, 438, 879-882.	1.3	1
78	Structural and Functional Modulation of Ion Channels by Specific Lipids: from Model Systems to Cell Membranes. , 2006, , 203-231.		1
79	Olive leaf polyphenols alleviate oxidative stress and improve mitochondrial function in high glucose-induced 3T3-L1 hypertrophic adipocytes. <i>Free Radical Biology and Medicine</i> , 2017, 108, S94.	1.3	1
80	Effect of the inactivating "ball" peptide of Shaker B on intermediate conductance Ca ²⁺ -dependent inwardly rectifying K ⁺ channels of HeLa cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1999, 438, 879-882.	1.3	0
81	The XII International Symposium on Cholinergic Mechanisms. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 1-2.	1.1	0
82	Lipid-protein Interactions Between $\hat{1}\pm 2$ -adrenergic Receptor Transmembrane Peptides And Model Membranes. <i>Biophysical Journal</i> , 2009, 96, 613a.	0.2	0
83	Effects of metabolites derived from <i>Hibiscus sabdariffa</i> on high glucose-induced oxidative stress and inflammation in hypertrophied 3T3-L1 adipocytes. <i>Free Radical Biology and Medicine</i> , 2017, 108, S88.	1.3	0