Asia Fernandez-Carvajal

List of Publications by Year
in descending order

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46 papers	1,132 citations	430754 18 h-index	414303 32 g-index
47 all docs	47 docs citations	47 times ranked	1484 citing authors

#	Article	IF	Citations
1	Paclitaxel in vitro reversibly sensitizes the excitability of IB4(â^') and IB4(+) sensory neurons from male and female rats. British Journal of Pharmacology, 2022, 179, 3693-3710.	2.7	12
2	In Vitro and In Vivo Pharmacological Characterization of a Novel TRPM8 Inhibitor Chemotype Identified by Small-Scale Preclinical Screening. International Journal of Molecular Sciences, 2022, 23, 2070.	1.8	0
3	Î²â€“Lactam TRPM8 Antagonist RGM8-51 Displays Antinociceptive Activity in Different Animal Models. International Journal of Molecular Sciences, 2022, 23, 2692.	1.8	6
4	New TRPM8 blockers exert anticancer activity over castration-resistant prostate cancer models. European Journal of Medicinal Chemistry, 2022, 238, 114435.	2.6	8
5	A capsaicinoid-based soft drug, AG1529, for attenuating TRPV1-mediated histaminergic and inflammatory sensory neuron excitability. Scientific Reports, 2021, 11, 246.	1.6	16
6	Phenylalanine-Derived Î²-Lactam TRPM8 Modulators. Configuration Effect on the Antagonist Activity. International Journal of Molecular Sciences, 2021, 22, 2370.	1.8	2
7	Structural and in Vitro Functional Characterization of a Menthyl TRPM8 Antagonist Indicates Species-Dependent Regulation. ACS Medicinal Chemistry Letters, 2021, 12, 758-767.	1.3	6
8	DD04107-Derived neuronal exocytosis inhibitor peptides: Evidences for synaptotagmin-1 as a putative target. Bioorganic Chemistry, 2021, 115, 105231.	2.0	2
9	L-Menthol-Loadable Electrospun Fibers of PMVEMA Anhydride for Topical Administration. Pharmaceutics, 2021, 13, 1845.	2.0	4
10	Structure-Based Design of Novel Biphenyl Amide Antagonists of Human Transient Receptor Potential Cation Channel Subfamily M Member 8 Channels with Potential Implications in the Treatment of Sensory Neuropathies. ACS Chemical Neuroscience, 2020, 11, 268-290.	1.7	13
11	Early Stimulation of TREK Channel Transcription and Activity Induced by Oxaliplatin-Dependent Cytosolic Acidification. International Journal of Molecular Sciences, 2020, 21, 7164.	1.8	2
12	Targeting thermoTRP ion channels: in silico preclinical approaches and opportunities. Expert Opinion on Therapeutic Targets, 2020, 24, 1079-1097.	1.5	2
13	Exploration of TRPM8 Binding Sites by Î²-Carboline-Based Antagonists and Their In Vitro Characterization and In Vivo Analgesic Activities. Journal of Medicinal Chemistry, 2020, 63, 9672-9694.	2.9	15
14	Investigational drugs in early phase clinical trials targeting thermotransient receptor potential (thermoTRP) channels. Expert Opinion on Investigational Drugs, 2020, 29, 1209-1222.	1.9	30
15	Highly functionalized Î²-lactams and 2-ketopiperazines as TRPM8 antagonists with antiallodynic activity. Scientific Reports, 2020, 10, 14154.	1.6	7
16	1-(2â€²,5â€²-Dihydroxyphenyl)-3-(2-fluoro-4-hydroxyphenyl)-1-propanone (RGM079): A Positive Allosteric Modulator of Î±7 Nicotinic Receptors with Analgesic and Neuroprotective Activity. ACS Chemical Neuroscience, 2019, 10, 3900-3909.	1.7	11
17	Fluorescence-Based Functional Assays for Ca2+-Permeable ThermoTRP Channels. Methods in Molecular Biology, 2019, 1987, 99-110.	0.4	3
18	Development of A New Delivery System Based on Drug-Loadable Electrospun Nanofibers for Psoriasis Treatment. Pharmaceutics, 2019, 11, 14.	2.0	24

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19	Targeting Transient Receptor Potential Vanilloid 1 (TRPV1) Channel Softly: The Discovery of Passerini Adducts as a Topical Treatment for Inflammatory Skin Disorders. Journal of Medicinal Chemistry, 2018, 61, 4436-4455.	2.9	28
20	Amino acid and peptide prodrugs of diphenylpropanones positive allosteric modulators of Î±7 nicotinic receptors with analgesic activity. European Journal of Medicinal Chemistry, 2018, 143, 157-165.	2.6	6
21	Identification of a Potent Tryptophan-Based TRPM8 Antagonist With in Vivo Analgesic Activity. Journal of Medicinal Chemistry, 2018, 61, 6140-6152.	2.9	31
22	Synthesis, high-throughput screening and pharmacological characterization of Î²â€“lactam derivatives as TRPM8 antagonists. Scientific Reports, 2017, 7, 10766.	1.6	11
23	1,3-diphenylpropan-1-ones as allosteric modulators of Î±7 nACh receptors with analgesic and antioxidant properties. Future Medicinal Chemistry, 2016, 8, 731-749.	1.1	12
24	New transient receptor potential TRPV1, TRPM8 and TRPA1 channel antagonists from a single linear Î²,Î³-diamino ester scaffold. RSC Advances, 2016, 6, 6868-6877.	1.7	7
25	TRP channels interaction with lipids and its implications in disease. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1818-1827.	1.4	52
26	Pharmacology of TRP Channels. , 2015, , 41-71.		4
27	Adamantyl Analogues of Paracetamol as Potent Analgesic Drugs via Inhibition of TRPA1. PLoS ONE, 2014, 9, e113841.	1.1	15
28	Chalcones as positive allosteric modulators of Î±7 nicotinic acetylcholine receptors: A new target for a privileged structure. European Journal of Medicinal Chemistry, 2014, 86, 724-739.	2.6	23
29	De Novo Designed Library of Linear Helical Peptides: An Exploratory Tool in the Discovery of Proteinâ€“Protein Interaction Modulators. ACS Combinatorial Science, 2014, 16, 250-258.	3.8	16
30	Highly Functionalized 1,2â€“Diamino Compounds through Reductive Amination of Amino Acid-Derived Î²â€“Keto Esters. PLoS ONE, 2013, 8, e53231.	1.1	5
31	New Strategies to Develop Novel Pain Therapies: Addressing Thermoreceptors from Different Points of View. Pharmaceuticals, 2012, 5, 16-48.	1.7	22
32	Advances in modulating thermosensory TRP channels. Expert Opinion on Therapeutic Patents, 2012, 22, 999-1017.	2.4	91
33	Triazine-Based Vanilloid 1 Receptor Open Channel Blockers: Design, Synthesis, Evaluation, and SAR Analysis. Journal of Medicinal Chemistry, 2011, 54, 7441-7452.	2.9	21
34	Solid-Phase Synthesis of a Library of Amphipatic Hydantoins. Discovery of New Hits for TRPV1 Blockade. ACS Combinatorial Science, 2011, 13, 458-465.	3.8	10
35	Role of the transient receptor potential vanilloid 1 in inflammation and sepsis. Journal of Inflammation Research, 2011, 4, 67.	1.6	42
36	Ionic Channels as Targets for Drug Design: A Review on Computational Methods. Pharmaceutics, 2011, 3, 932-953.	2.0	23

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37	Rab4 interacts with the human Pâ€glycoprotein and modulates its surface expression in multidrug resistant K562 cells. International Journal of Cancer, 2011, 128, 192-205.	2.3	32
38	Membraneâ€tethered peptides patterned after the TRP domain (TRPducins) selectively inhibit TRPV1 channel activity. FASEB Journal, 2011, 25, 1628-1640.	0.2	37
39	Solid-Phase Synthesis of New Trp(Nps)-Containing Dipeptide Derivatives as TRPV1 Channel Blockers. Molecules, 2010, 15, 4924-4933.	1.7	1
40	Identification of molecular determinants of channel gating in the transient receptor potential box of vanilloid receptor I. FASEB Journal, 2008, 22, 3298-3309.	0.2	79
41	A Role of the Transient Receptor Potential Domain of Vanilloid Receptor I in Channel Gating. Journal of Neuroscience, 2007, 27, 11641-11650.	1.7	82
42	Design and Synthesis of Indole-Based Peptoids as Potent Noncompetitive Antagonists of Transient Receptor Potential Vanilloid 1. Journal of Medicinal Chemistry, 2007, 50, 6133-6143.	2.9	19
43	Design and Characterization of a Noncompetitive Antagonist of the Transient Receptor Potential Vanilloid Subunit 1 Channel With In Vivo Analgesic and Anti-inflammatory Activity. Journal of Pain, 2006, 7, 735-746.	0.7	29
44	Structural and Functional Changes Induced in the Nicotinic Acetylcholine Receptor by Membrane Phospholipids. Journal of Molecular Neuroscience, 2006, 30, 121-124.	1.1	7
45	Identification of a Tetramerization Domain in the C Terminus of the Vanilloid Receptor. Journal of Neuroscience, 2004, 24, 5307-5314.	1.7	176
46	Molecular architecture of the vanilloid receptor. Insights for drug design. FEBS Journal, 2004, 271, 1820-1826.	0.2	86