Bice Chini

List of Publications by Year
in descending order

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83	6,266	61945	74108
papers	citations	43	75
		h-index	g-index

85	85	85	6388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxytocin and Vasopressin Agonists and Antagonists as Research Tools and Potential Therapeutics. Journal of Neuroendocrinology, 2012, 24, 609-628.	1.2	356
2	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	2.7	337
3	G-protein coupled receptors in lipid rafts and caveolae: how, when and why do they go there?. Journal of Molecular Endocrinology, 2004, 32, 325-338.	1.1	323
4	Pharmacologic Rescue of Impaired Cognitive Flexibility, Social Deficits, Increased Aggression, and Seizure Susceptibility in Oxytocin Receptor Null Mice: A Neurobehavioral Model of Autism. Biological Psychiatry, 2011, 69, 875-882.	0.7	315
5	A New Population of Parvocellular Oxytocin Neurons Controlling Magnocellular Neuron Activity and Inflammatory Pain Processing. Neuron, 2016, 89, 1291-1304.	3.8	314
6	Peptide and non-peptide agonists and antagonists for the vasopressin and oxytocin V1a, V1b, V2 and OT receptors: research tools and potential therapeutic agentsâ˜†. Progress in Brain Research, 2008, 170, 473-512.	0.9	248
7	The Binding Site of Neuropeptide Vasopressin V1a Receptor. Journal of Biological Chemistry, 1995, 270, 25771-25777.	1.6	239
8	Assembling the Puzzle: Pathways of Oxytocin Signaling in the Brain. Biological Psychiatry, 2016, 79, 155-164.	0.7	236
9	Chronic and Acute Intranasal Oxytocin Produce Divergent Social Effects in Mice. Neuropsychopharmacology, 2014, 39, 1102-1114.	2.8	176
10	Functional Selective Oxytocin-derived Agonists Discriminate between Individual G Protein Family Subtypes. Journal of Biological Chemistry, 2012, 287, 3617-3629.	1.6	147
11	The Timing of the Excitatory-to-Inhibitory GABA Switch Is Regulated by the Oxytocin Receptor via KCC2. Cell Reports, 2016, 15, 96-103.	2.9	141
12	Distribution of Nicotinic Receptors in the Human Hippocampus and Thalamus. European Journal of Neuroscience, 1994, 6, 1596-1604.	1.2	130
13	G-protein-coupled receptors, cholesterol and palmitoylation: facts about fats. Journal of Molecular Endocrinology, 2009, 42, 371-379.	1.1	130
14	Oxytocin Signaling in the Central Amygdala Modulates Emotion Discrimination in Mice. Current Biology, 2019, 29, 1938-1953.e6.	1.8	125
15	Oxytocin receptor elicits different EGFR/MAPK activation patterns depending on its localization in caveolin-1 enriched domains. Oncogene, 2003, 22, 6054-6060.	2.6	122
16	Oxytocin Receptors in the Anteromedial Bed Nucleus of the Stria Terminalis Promote Stress-Induced Social Avoidance in Female California Mice. Biological Psychiatry, 2018, 83, 203-213.	0.7	118
17	The Oxytocin Receptor Antagonist Atosiban Inhibits Cell Growth via a â€œBiased Agonistâ€•Mechanism. Journal of Biological Chemistry, 2005, 280, 16311-16318.	1.6	104
18	The Action Radius of Oxytocin Release in the Mammalian CNS: From Single Vesicles to Behavior. Trends in Pharmacological Sciences, 2017, 38, 982-991.	4.0	101

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19	Neuronal-type alpha-bungarotoxin receptors and the alpha 5-nicotinic receptor subunit gene are expressed in neuronal and nonneuronal human cell lines.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 1572-1576.	3.3	99
20	Two aromatic residues regulate the response of the human oxytocin receptor to the partial agonist arginine vasopressin. FEBS Letters, 1996, 397, 201-206.	1.3	98
21	Molecular Basis of Oxytocin Receptor Signalling in the Brain: What We Know and What We Need to Know. Current Topics in Behavioral Neurosciences, 2017, 35, 3-29.	0.8	94
22	Molecular Cloning and Chromosomal Localization of the Human Î±7-Nicotinic Receptor Subunit Gene (CHRNA7). Genomics, 1994, 19, 379-381.	1.3	93
23	Localization of the human oxytocin receptor in caveolin-1 enriched domains turns the receptor-mediated inhibition of cell growth into a proliferative response. Oncogene, 2002, 21, 1658-1667.	2.6	92
24	Mice Heterozygous for the Oxytocin Receptor Gene (Oxtr^{+/â˜’}) Show Impaired Social Behaviour but not Increased Aggression or Cognitive Inflexibility: Evidence of a Selective Haploinsufficiency Gene Effect. Journal of Neuroendocrinology, 2013, 25, 107-118.	1.2	92
25	Intracellular trafficking of the human oxytocin receptor: evidence of receptor recycling via a Rab4/Rab5 â€œshort cycleâ€• American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E532-E542.	1.8	89
26	Activation Mechanism of Human Oxytocin Receptor: A Combined Study of Experimental and Computer-Simulated Mutagenesis. Molecular Pharmacology, 1999, 56, 214-225.	1.0	88
27	A fast and simple label-free immunoassay based on a smartphone. Biosensors and Bioelectronics, 2014, 58, 395-402.	5.3	86
28	Neurohypophyseal hormones manipulation modulate social and anxiety-related behavior in zebrafish. Psychopharmacology, 2012, 220, 319-330.	1.5	85
29	Selective and Potent Agonists and Antagonists for Investigating the Role of Mouse Oxytocin Receptors. Journal of Pharmacology and Experimental Therapeutics, 2013, 346, 318-327.	1.3	84
30	Ontogenesis of oxytocin pathways in the mammalian brain: late maturation and psychosocial disorders. Frontiers in Neuroanatomy, 2014, 8, 164.	0.9	81
31	Oxytocin inhibits the proliferation of MDA-MB231 human breast-cancer cellsvia cyclic adenosine monophosphate and protein kinase A. , 1997, 72, 340-344.		77
32	Oxytocin and Oxytocin Receptors in Cancer Cells and Proliferation. Journal of Neuroendocrinology, 2004, 16, 362-364.	1.2	75
33	Oxytocin Receptor Signaling in Myoepithelial and Cancer Cells. Journal of Mammary Gland Biology and Neoplasia, 2005, 10, 221-229.	1.0	71
34	Dual modulation of inward rectifier potassium currents in olfactory neuronal cells by promiscuous G protein coupling of the oxytocin receptor. Journal of Neurochemistry, 2010, 114, 1424-1435.	2.1	66
35	Learning About Oxytocin: Pharmacologic and Behavioral Issues. Biological Psychiatry, 2014, 76, 360-366.	0.7	65
36	Oxytocin stimulates migration and invasion in human endothelial cells. British Journal of Pharmacology, 2008, 153, 728-736.	2.7	64

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37	Neuronal-type nicotinic receptors in human neuroblastoma and small-cell lung carcinoma cell lines. FEBS Letters, 1992, 312, 66-70.	1.3	58
38	Affinity and efficacy of selective agonists and antagonists for vasopressin and oxytocin receptors: an â€œeasy guideâ€•to receptor pharmacology. Progress in Brain Research, 2008, 170, 513-517.	0.9	57
39	Social approach and social vigilance are differentially regulated by oxytocin receptors in the nucleus accumbens. Neuropsychopharmacology, 2020, 45, 1423-1430.	2.8	56
40	Activation of Functional Oxytocin Receptors Stimulates Cell Proliferation in Human Trophoblast and Choriocarcinoma Cell Lines*. Endocrinology, 2001, 142, 1130-1136.	1.4	52
41	Region Specific Up-Regulation of Oxytocin Receptors in the Opioid Oprm1Ã¢Ë†â€™/Ã¢Ë†â€™ Mouse Model of Autism. Frontiers in Pediatrics, 2014, 2, 91.	0.9	50
42	Design and Characterization of Superpotent Bivalent Ligands Targeting Oxytocin Receptor Dimers via a Channel-Like Structure. Journal of Medicinal Chemistry, 2016, 59, 7152-7166.	2.9	49
43	Chromosomal localization and physical linkage of the genes encoding the human Î±3, Î±5, and Î²4 neuronal nicotinic receptor subunits. Genomics, 1992, 12, 849-850.	1.3	47
44	Lifespan oxytocin signaling: Maturation, flexibility, and stability in newborn, adolescent, and aged brain. Developmental Neurobiology, 2017, 77, 158-168.	1.5	47
45	Molecular cloning of human neuronal nicotinic receptor Î±3-subunit. Neuroscience Letters, 1990, 111, 351-356.	1.0	45
46	Oxytocin administration in neonates shapes hippocampal circuitry and restores social behavior in a mouse model of autism. Molecular Psychiatry, 2021, 26, 7582-7595.	4.1	45
47	Developmentally regulated expression of calcitonin gene-related peptide at mammalian neuromuscular junction. Journal of Molecular Neuroscience, 1990, 2, 175-184.	1.1	41
48	Improved radiotracing of oxytocin receptor-expressing tumours using the new [111In]-DOTA-Lys8-deamino-vasotocin analogue. British Journal of Cancer, 2003, 89, 930-936.	2.9	41
49	Zwitterion-Coated Iron Oxide Nanoparticles: Surface Chemistry and Intracellular Uptake by Hepatocarcinoma (HepG2) Cells. Langmuir, 2015, 31, 7381-7390.	1.6	41
50	Nephrogenic Diabetes Insipidus. Journal of the American Society of Nephrology: JASN, 2000, 11, 1033-1043.	3.0	37
51	Multispot, label-free biodetection at a phantom plasticâ€“water interface. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9350-9355.	3.3	35
52	Intranasal Oxytocin and Vasopressin Modulate Divergent Brainwide Functional Substrates. Neuropsychopharmacology, 2017, 42, 1420-1434.	2.8	35
53	Effects of cholesterol manipulation on the signaling of the human oxytocin receptor. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R861-R869.	0.9	31
54	Molecular basis of ligand binding and receptor activation in the oxytocin and vasopressin receptor family. Experimental Physiology, 2000, 85, 59s-66s.	0.9	30

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55	Towards bio-compatible magnetic nanoparticles: Immune-related effects, in-vitro internalization, and in-vivo bio-distribution of zwitterionic ferrite nanoparticles with unexpected renal clearance. Journal of Colloid and Interface Science, 2021, 582, 678-700.	5.0	27
56	Specific roles of Gi protein family members revealed by dissecting SST5 coupling in human pituitary cells. Journal of Cell Science, 2013, 126, 638-644.	1.2	24
57	Multi-spot, label-free immunoassay on reflectionless glass. Biosensors and Bioelectronics, 2015, 74, 539-545.	5.3	23
58	Oxytocin-induced cell growth proliferation in human myometrial cells and leiomyomas. Fertility and Sterility, 2010, 94, 1869-1874.	0.5	22
59	Computational modeling and simulation of complex systems in bio-electronics. Journal of Computational Electronics, 2008, 7, 10-13.	1.3	20
60	Computational Models in Nano-Bioelectronics: Simulation of Ionic Transport in Voltage Operated Channels. Journal of Nanoscience and Nanotechnology, 2008, 8, 3686-3694.	0.9	20
61	G-Protein-Coupled Receptors: from Structural Insights to Functional Mechanisms. Biochemical Society Transactions, 2013, 41, 135-136.	1.6	19
62	Activation of Functional Oxytocin Receptors Stimulates Cell Proliferation in Human Trophoblast and Choriocarcinoma Cell Lines. Endocrinology, 2001, 142, 1130-1136.	1.4	18
63	The ligand-bound state of a G protein-coupled receptor stabilizes the interaction of functional cholesterol molecules. Journal of Lipid Research, 2021, 62, 100059.	2.0	17
64	Towards understanding the role of the first extracellular loop for the binding of peptide hormones to G-protein coupled receptors. Pharmaceutica Acta Helvetiae, 1995, 70, 255-262.	1.2	16
65	Electrochemical Modeling and Characterization of Voltage Operated Channels in Nano-Bio-Electronics. Sensor Letters, 2008, 6, 49-56.	0.4	13
66	Full and Partial Agonists of Thromboxane Prostanoid Receptor Unveil Fine Tuning of Receptor Superactive Conformation and G Protein Activation. PLoS ONE, 2013, 8, e60475.	1.1	12
67	Impaired approach to novelty and striatal alterations in the oxytocin receptor deficient mouse model of autism. Hormones and Behavior, 2019, 114, 104543.	1.0	12
68	Heterotrimeric G proteins demonstrate differential sensitivity to Î²-arrestin dependent desensitization. Cellular Signalling, 2009, 21, 1135-1142.	1.7	10
69	Analysis of GPCR Dimerization Using Acceptor Photobleaching Resonance Energy Transfer Techniques. Methods in Enzymology, 2013, 521, 311-327.	0.4	9
70	Thioacylation is required for targeting G-protein subunit Go1Î± to detergent-insoluble caveolin-containing membrane domains. Biochemical Journal, 2001, 355, 323.	1.7	9
71	Developmentally Regulated Expression of CGRP in the Mouse Olfactory Pathway. European Journal of Neuroscience, 1993, 5, 648-656.	1.2	7
72	Deciphering the specific role of GÎ±i/o isoforms: functional selective oxytocin ligands and somatostatin SST5 receptor mutants. Biochemical Society Transactions, 2013, 41, 166-171.	1.6	5

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73	Identification of a Single Residue Responsible for Agonist Selectivity in the Oxytocin-Vasopressin Receptors. Annals of the New York Academy of Sciences, 1997, 812, 218-221.	1.8	4
74	Analysis of G Protein and Î²-Arrestin Activation in Chemokine Receptors Signaling. Methods in Enzymology, 2016, 570, 421-440.	0.4	4
75	Expanding neuropeptide signalling by multiplying receptor functional states and sub-cellular locations. Cell and Tissue Research, 2019, 375, 49-56.	1.5	4
76	Region-Specific KCC2 Rescue by rhIGF-1 and Oxytocin in a Mouse Model of Rett Syndrome. Cerebral Cortex, 2022, 32, 2885-2894.	1.6	4
77	Identification of a Constitutively Active Mutant of the Human Oxytocin Receptor. Advances in Experimental Medicine and Biology, 1998, 449, 367-369.	0.8	3
78	Quest for pharmacological regulators of KCC2. , 2020, , 709-727.		2
79	Computational models for the numerical simulation of voltage operated channels in nanoâ€“bioâ€“electronics. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1030803-1030804.	0.2	1
80	Oxytocin in the Developing Brain. , 2016, , 253-266.		1
81	Three-dimensional structure of G protein-coupled receptors: from speculations to facts. Pharmacochemistry Library, 1996, 24, 205-214.	0.1	0
82	Specific roles of Gi protein family members revealed by dissecting SST5 coupling in human pituitary cells. Journal of Cell Science, 2014, 127, 2377-2377.	1.2	0
83	Portable, Multispot, Label-Free Immunoassay on a Phantom Perfluorinated Plastic. Lecture Notes in Electrical Engineering, 2015, , 13-17.	0.3	0