Bice Chini

List of Publications by Year
in descending order

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83 papers	6,266 citations	61984 43 h-index	71685 76 g-index
85 all docs	85 docs citations	85 times ranked	6388 citing authors

#	Article	IF	Citations
1	Region-Specific KCC2 Rescue by rhIGF-1 and Oxytocin in a Mouse Model of Rett Syndrome. Cerebral Cortex, 2022, 32, 2885-2894.	2.9	4
2	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.	9.4	27
3	The ligand-bound state of a G protein-coupled receptor stabilizes the interaction of functional cholesterol molecules. Journal of Lipid Research, 2021, 62, 100059.	4.2	17
4	Oxytocin administration in neonates shapes hippocampal circuitry and restores social behavior in a mouse model of autism. Molecular Psychiatry, 2021, 26, 7582-7595.	7.9	45
5	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	5.4	337
6	Social approach and social vigilance are differentially regulated by oxytocin receptors in the nucleus accumbens. Neuropsychopharmacology, 2020, 45, 1423-1430.	5.4	56
7	Quest for pharmacological regulators of KCC2. , 2020, , 709-727.		2
8	Impaired approach to novelty and striatal alterations in the oxytocin receptor deficient mouse model of autism. Hormones and Behavior, 2019, 114, 104543.	2.1	12
9	Oxytocin Signaling in the Central Amygdala Modulates Emotion Discrimination in Mice. Current Biology, 2019, 29, 1938-1953.e6.	3.9	125
10	Expanding neuropeptide signalling by multiplying receptor functional states and sub-cellular locations. Cell and Tissue Research, 2019, 375, 49-56.	2.9	4
11	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.	1.3	118
12	Intranasal Oxytocin and Vasopressin Modulate Divergent Brainwide Functional Substrates. Neuropsychopharmacology, 2017, 42, 1420-1434.	5.4	35
13	The Action Radius of Oxytocin Release in the Mammalian CNS: From Single Vesicles to Behavior. Trends in Pharmacological Sciences, 2017, 38, 982-991.	8.7	101
14	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.	1.7	94
15	Lifespan oxytocin signaling: Maturation, flexibility, and stability in newborn, adolescent, and aged brain. Developmental Neurobiology, 2017, 77, 158-168.	3.0	47
16	Oxytocin in the Developing Brain. , 2016, , 253-266.		1
17	Analysis of G Protein and Î²-Arrestin Activation in Chemokine Receptors Signaling. Methods in Enzymology, 2016, 570, 421-440.	1.0	4
18	A New Population of Parvocellular Oxytocin Neurons Controlling Magnocellular Neuron Activity and Inflammatory Pain Processing. Neuron, 2016, 89, 1291-1304.	8.1	314

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19	The Timing of the Excitatory-to-Inhibitory GABA Switch Is Regulated by the Oxytocin Receptor via KCC2. Cell Reports, 2016, 15, 96-103.	6.4	141
20	Design and Characterization of Superpotent Bivalent Ligands Targeting Oxytocin Receptor Dimers via a Channel-Like Structure. Journal of Medicinal Chemistry, 2016, 59, 7152-7166.	6.4	49
21	Assembling the Puzzle: Pathways of Oxytocin Signaling in the Brain. Biological Psychiatry, 2016, 79, 155-164.	1.3	236
22	Zwitterion-Coated Iron Oxide Nanoparticles: Surface Chemistry and Intracellular Uptake by Hepatocarcinoma (HepG2) Cells. Langmuir, 2015, 31, 7381-7390.	3.5	41
23	Multi-spot, label-free immunoassay on reflectionless glass. Biosensors and Bioelectronics, 2015, 74, 539-545.	10.1	23
24	Portable, Multispot, Label-Free Immunoassay on a Phantom Perfluorinated Plastic. Lecture Notes in Electrical Engineering, 2015, , 13-17.	0.4	0
25	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.	1.9	50
26	Specific roles of Gi protein family members revealed by dissecting SST5 coupling in human pituitary cells. Journal of Cell Science, 2014, 127, 2377-2377.	2.0	0
27	A fast and simple label-free immunoassay based on a smartphone. Biosensors and Bioelectronics, 2014, 58, 395-402.	10.1	86
28	Chronic and Acute Intranasal Oxytocin Produce Divergent Social Effects in Mice. Neuropsychopharmacology, 2014, 39, 1102-1114.	5.4	176
29	Learning About Oxytocin: Pharmacologic and Behavioral Issues. Biological Psychiatry, 2014, 76, 360-366.	1.3	65
30	Ontogenesis of oxytocin pathways in the mammalian brain: late maturation and psychosocial disorders. Frontiers in Neuroanatomy, 2014, 8, 164.	1.7	81
31	Specific roles of Gi protein family members revealed by dissecting SST5 coupling in human pituitary cells. Journal of Cell Science, 2013, 126, 638-644.	2.0	24
32	Analysis of GPCR Dimerization Using Acceptor Photobleaching Resonance Energy Transfer Techniques. Methods in Enzymology, 2013, 521, 311-327.	1.0	9
33	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.	2.6	92
34	G-Protein-Coupled Receptors: from Structural Insights to Functional Mechanisms. Biochemical Society Transactions, 2013, 41, 135-136.	3.4	19
35	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.	3.4	5
36	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.	7.1	35

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37	Selective and Potent Agonists and Antagonists for Investigating the Role of Mouse Oxytocin Receptors. Journal of Pharmacology and Experimental Therapeutics, 2013, 346, 318-327.	2.5	84
38	Full and Partial Agonists of Thromboxane Prostanoid Receptor Unveil Fine Tuning of Receptor Superactive Conformation and G Protein Activation. PLoS ONE, 2013, 8, e60475.	2.5	12
39	Functional Selective Oxytocin-derived Agonists Discriminate between Individual G Protein Family Subtypes. Journal of Biological Chemistry, 2012, 287, 3617-3629.	3.4	147
40	Oxytocin and Vasopressin Agonists and Antagonists as Research Tools and Potential Therapeutics. Journal of Neuroendocrinology, 2012, 24, 609-628.	2.6	356
41	Neurohypophyseal hormones manipulation modulate social and anxiety-related behavior in zebrafish. Psychopharmacology, 2012, 220, 319-330.	3.1	85
42	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.	1.3	315
43	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.	3.9	66
44	Oxytocin-induced cell growth proliferation in human myometrial cells and leiomyomas. Fertility and Sterility, 2010, 94, 1869-1874.	1.0	22
45	G-protein-coupled receptors, cholesterol and palmitoylation: facts about fats. Journal of Molecular Endocrinology, 2009, 42, 371-379.	2.5	130
46	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.	3.5	89
47	Heterotrimeric G proteins demonstrate differential sensitivity to Î²-arrestin dependent desensitization. Cellular Signalling, 2009, 21, 1135-1142.	3.6	10
48	Computational modeling and simulation of complex systems in bio-electronics. Journal of Computational Electronics, 2008, 7, 10-13.	2.5	20
49	Oxytocin stimulates migration and invasion in human endothelial cells. British Journal of Pharmacology, 2008, 153, 728-736.	5.4	64
50	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.	1.4	248
51	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.	1.4	57
52	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
53	Electrochemical Modeling and Characterization of Voltage Operated Channels in Nano-Bio-Electronics. Sensor Letters, 2008, 6, 49-56.	0.4	13
54	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

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55	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.	1.8	31
56	Oxytocin Receptor Signaling in Myoepithelial and Cancer Cells. Journal of Mammary Gland Biology and Neoplasia, 2005, 10, 221-9.	2.7	71
57	The Oxytocin Receptor Antagonist Atosiban Inhibits Cell Growth via a â€œBiased Agonistâ€•Mechanism. Journal of Biological Chemistry, 2005, 280, 16311-16318.	3.4	104
58	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.	2.5	323
59	Oxytocin and Oxytocin Receptors in Cancer Cells and Proliferation. Journal of Neuroendocrinology, 2004, 16, 362-364.	2.6	75
60	Improved radiotracing of oxytocin receptor-expressing tumours using the new [111In]-DOTA-Lys8-deamino-vasotocin analogue. British Journal of Cancer, 2003, 89, 930-936.	6.4	41
61	Oxytocin receptor elicits different EGFR/MAPK activation patterns depending on its localization in caveolin-1 enriched domains. Oncogene, 2003, 22, 6054-6060.	5.9	122
62	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.	5.9	92
63	Activation of Functional Oxytocin Receptors Stimulates Cell Proliferation in Human Trophoblast and Choriocarcinoma Cell Lines*. Endocrinology, 2001, 142, 1130-1136.	2.8	52
64	Thioacylation is required for targeting G-protein subunit Go1Î± to detergent-insoluble caveolin-containing membrane domains. Biochemical Journal, 2001, 355, 323.	3.7	9
65	Activation of Functional Oxytocin Receptors Stimulates Cell Proliferation in Human Trophoblast and Choriocarcinoma Cell Lines. Endocrinology, 2001, 142, 1130-1136.	2.8	18
66	Molecular basis of ligand binding and receptor activation in the oxytocin and vasopressin receptor family. Experimental Physiology, 2000, 85, 59s-66s.	2.0	30
67	Nephrogenic Diabetes Insipidus. Journal of the American Society of Nephrology: JASN, 2000, 11, 1033-1043.	6.1	37
68	Activation Mechanism of Human Oxytocin Receptor: A Combined Study of Experimental and Computer-Simulated Mutagenesis. Molecular Pharmacology, 1999, 56, 214-225.	2.3	88
69	Identification of a Constitutively Active Mutant of the Human Oxytocin Receptor. Advances in Experimental Medicine and Biology, 1998, 449, 367-369.	1.6	3
70	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.	3.8	4
71	Oxytocin inhibits the proliferation of MDA-MB231 human breast-cancer cellsvia cyclic adenosine monophosphate and protein kinase A. , 1997, 72, 340-344.		77
72	Two aromatic residues regulate the response of the human oxytocin receptor to the partial agonist arginine vasopressin. FEBS Letters, 1996, 397, 201-206.	2.8	98

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73	Three-dimensional structure of G protein-coupled receptors: from speculations to facts. Pharmacochemistry Library, 1996, 24, 205-214.	0.1	0
74	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
75	The Binding Site of Neuropeptide Vasopressin V1a Receptor. Journal of Biological Chemistry, 1995, 270, 25771-25777.	3.4	239
76	Distribution of Nicotinic Receptors in the Human Hippocampus and Thalamus. European Journal of Neuroscience, 1994, 6, 1596-1604.	2.6	130
77	Molecular Cloning and Chromosomal Localization of the Human Î±7-Nicotinic Receptor Subunit Gene (CHRNA7). Genomics, 1994, 19, 379-381.	2.9	93
78	Developmentally Regulated Expression of CGRP in the Mouse Olfactory Pathway. European Journal of Neuroscience, 1993, 5, 648-656.	2.6	7
79	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.	7.1	99
80	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.	2.9	47
81	Neuronal-type nicotinic receptors in human neuroblastoma and small-cell lung carcinoma cell lines. FEBS Letters, 1992, 312, 66-70.	2.8	58
82	Developmentally regulated expression of calcitonin gene-related peptide at mammalian neuromuscular junction. Journal of Molecular Neuroscience, 1990, 2, 175-184.	2.3	41
83	Molecular cloning of human neuronal nicotinic receptor Î±3-subunit. Neuroscience Letters, 1990, 111, 351-356.	2.1	45