Martha A Bosch

List of Publications by Year
in descending order

22	1,935	394421 19	677142 22
papers	citations	h-index	g-index

23	23	23	1832
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CRISPR knockdown of Kcnq3 attenuates the M-current and increases excitability of NPY/AgRP neurons to alter energy balance. Molecular Metabolism, 2021, 49, 101218.	6.5	11
2	Deletion ofStim1in Hypothalamic Arcuate Nucleus Kiss1 Neurons Potentiates Synchronous GCaMP Activity and Protects against Diet-Induced Obesity. Journal of Neuroscience, 2021, 41, 9688-9701.	3.6	10
3	Estradiol Protects Neuropeptide Y/Agouti-Related Peptide Neurons against Insulin Resistance in Females. Neuroendocrinology, 2020, 110, 105-118.	2.5	18
4	MKRN3 inhibits the reproductive axis through actions in kisspeptin-expressing neurons. Journal of Clinical Investigation, 2020, 130, 4486-4500.	8.2	46
5	Estradiol Protects Proopiomelanocortin Neurons Against Insulin Resistance. Endocrinology, 2018, 159, 647-664.	2.8	52
6	Estradiol Drives the Anorexigenic Activity of Proopiomelanocortin Neurons in Female Mice. ENeuro, 2018, 5, ENEURO.0103-18.2018.	1.9	38
7	Estrogenic-dependent glutamatergic neurotransmission from kisspeptin neurons governs feeding circuits in females. ELife, 2018, 7, .	6.0	69
8	GLP-1R Signaling Directly Activates Arcuate Nucleus Kisspeptin Action in Brain Slices but Does not Rescue Luteinizing Hormone Inhibition in Ovariectomized Mice During Negative Energy Balance. ENeuro, 2017, 4, ENEURO.0198-16.2016.	1.9	31
9	Optogenetic Stimulation of Arcuate Nucleus Kiss1 Neurons Reveals a Steroid-Dependent Glutamatergic Input to POMC and AgRP Neurons in Male Mice. Molecular Endocrinology, 2016, 30, 630-644.	3.7	89
10	The Integrated Hypothalamic Tachykinin-Kisspeptin System as a Central Coordinator for Reproduction. Endocrinology, 2015, 156, 627-637.	2.8	99
11	Insulin Excites Anorexigenic Proopiomelanocortin Neurons via Activation of Canonical Transient Receptor Potential Channels. Cell Metabolism, 2014, 19, 682-693.	16.2	179
12	mRNA expression of ion channels in GnRH neurons: Subtype-specific regulation by 17Î²-estradiol. Molecular and Cellular Endocrinology, 2013, 367, 85-97.	3.2	79
13	Molecular mechanisms that drive estradiol-dependent burst firing of Kiss1 neurons in the rostral periventricular preoptic area. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1384-E1397.	3.5	57
14	Kisspeptin Activation of TRPC4 Channels in Female GnRH Neurons Requires PIP2 Depletion and cSrc Kinase Activation. Endocrinology, 2013, 154, 2772-2783.	2.8	51
15	Kisspeptin expression in guinea pig hypothalamus: Effects of 17Î²â€estradiol. Journal of Comparative Neurology, 2012, 520, 2143-2162.	1.6	38
16	Molecular Properties of Kiss1 Neurons in the Arcuate Nucleus of the Mouse. Endocrinology, 2011, 152, 4298-4309.	2.8	113
17	Guinea Pig Kisspeptin Neurons Are Depolarized by Leptin via Activation of TRPC Channels. Endocrinology, 2011, 152, 1503-1514.	2.8	130
18	Contribution of a Membrane Estrogen Receptor to the Estrogenic Regulation of Body Temperature and Energy Homeostasis. Endocrinology, 2010, 151, 4926-4937.	2.8	101

#	Article	IF	Citations
19	17Î²â€estradiol regulation of the mRNA expression of tâ€type calcium channel subunits: Role of estrogen receptor Î± and estrogen receptor Î². Journal of Comparative Neurology, 2009, 512, 347-358.	1.6	42
20	A G-Protein-Coupled Estrogen Receptor Is Involved in Hypothalamic Control of Energy Homeostasis. Journal of Neuroscience, 2006, 26, 5649-5655.	3.6	202
21	Rapid Signaling of Estrogen in Hypothalamic Neurons Involves a Novel G-Protein-Coupled Estrogen Receptor that Activates Protein Kinase C. Journal of Neuroscience, 2003, 23, 9529-9540.	3.6	411
22	Distribution, Neuronal Colocalization, and 17Î²-E2 Modulation of Small Conductance Calcium-Activated K+ Channel (SK3) mRNA in the Guinea Pig Brain. Endocrinology, 2002, 143, 1097-1107.	2.8	67