

# Martha A Bosch

## List of Publications by Year in descending order

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22  
papers

1,935  
citations

394421

19  
h-index

677142

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g-index

23  
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23  
docs citations

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times ranked

1832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Signaling of Estrogen in Hypothalamic Neurons Involves a Novel G-Protein-Coupled Estrogen Receptor that Activates Protein Kinase C. <i>Journal of Neuroscience</i> , 2003, 23, 9529-9540.	3.6	411
2	A G-Protein-Coupled Estrogen Receptor Is Involved in Hypothalamic Control of Energy Homeostasis. <i>Journal of Neuroscience</i> , 2006, 26, 5649-5655.	3.6	202
3	Insulin Excites Anorexigenic Proopiomelanocortin Neurons via Activation of Canonical Transient Receptor Potential Channels. <i>Cell Metabolism</i> , 2014, 19, 682-693.	16.2	179
4	Guinea Pig Kisspeptin Neurons Are Depolarized by Leptin via Activation of TRPC Channels. <i>Endocrinology</i> , 2011, 152, 1503-1514.	2.8	130
5	Molecular Properties of Kiss1 Neurons in the Arcuate Nucleus of the Mouse. <i>Endocrinology</i> , 2011, 152, 4298-4309.	2.8	113
6	Contribution of a Membrane Estrogen Receptor to the Estrogenic Regulation of Body Temperature and Energy Homeostasis. <i>Endocrinology</i> , 2010, 151, 4926-4937.	2.8	101
7	The Integrated Hypothalamic Tachykinin-Kisspeptin System as a Central Coordinator for Reproduction. <i>Endocrinology</i> , 2015, 156, 627-637.	2.8	99
8	Optogenetic Stimulation of Arcuate Nucleus Kiss1 Neurons Reveals a Steroid-Dependent Glutamatergic Input to POMC and AgRP Neurons in Male Mice. <i>Molecular Endocrinology</i> , 2016, 30, 630-644.	3.7	89
9	mRNA expression of ion channels in GnRH neurons: Subtype-specific regulation by 17 $\beta$ -estradiol. <i>Molecular and Cellular Endocrinology</i> , 2013, 367, 85-97.	3.2	79
10	Estrogenic-dependent glutamatergic neurotransmission from kisspeptin neurons governs feeding circuits in females. <i>ELife</i> , 2018, 7, .	6.0	69
11	Distribution, Neuronal Colocalization, and 17 $\beta$ -E2 Modulation of Small Conductance Calcium-Activated K <sup>+</sup> Channel (SK3) mRNA in the Guinea Pig Brain. <i>Endocrinology</i> , 2002, 143, 1097-1107.	2.8	67
12	Molecular mechanisms that drive estradiol-dependent burst firing of Kiss1 neurons in the rostral periventricular preoptic area. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1384-E1397.	3.5	57
13	Estradiol Protects Proopiomelanocortin Neurons Against Insulin Resistance. <i>Endocrinology</i> , 2018, 159, 647-664.	2.8	52
14	Kisspeptin Activation of TRPC4 Channels in Female GnRH Neurons Requires PIP2 Depletion and cSrc Kinase Activation. <i>Endocrinology</i> , 2013, 154, 2772-2783.	2.8	51
15	MKRN3 inhibits the reproductive axis through actions in kisspeptin-expressing neurons. <i>Journal of Clinical Investigation</i> , 2020, 130, 4486-4500.	8.2	46
16	17 $\beta$ -Estradiol regulation of the mRNA expression of $\alpha$ -type calcium channel subunits: Role of estrogen receptor $\alpha$ and estrogen receptor $\beta$ . <i>Journal of Comparative Neurology</i> , 2009, 512, 347-358.	1.6	42
17	Kisspeptin expression in guinea pig hypothalamus: Effects of 17 $\beta$ -estradiol. <i>Journal of Comparative Neurology</i> , 2012, 520, 2143-2162.	1.6	38
18	Estradiol Drives the Anorexigenic Activity of Proopiomelanocortin Neurons in Female Mice. <i>ENeuro</i> , 2018, 5, ENEURO.0103-18.2018.	1.9	38

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19	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. <i>ENeuro</i> , 2017, 4, ENEURO.0198-16.2016.	1.9	31
20	Estradiol Protects Neuropeptide Y/Agouti-Related Peptide Neurons against Insulin Resistance in Females. <i>Neuroendocrinology</i> , 2020, 110, 105-118.	2.5	18
21	CRISPR knockdown of <i>Kcnq3</i> attenuates the M-current and increases excitability of NPY/AgRP neurons to alter energy balance. <i>Molecular Metabolism</i> , 2021, 49, 101218.	6.5	11
22	Deletion of <i>Stim1</i> in Hypothalamic Arcuate Nucleus Kiss1 Neurons Potentiates Synchronous GCaMP Activity and Protects against Diet-Induced Obesity. <i>Journal of Neuroscience</i> , 2021, 41, 9688-9701.	3.6	10