

# Flavio S J De Souza

## List of Publications by Year in descending order

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26  
papers

1,419  
citations

430874

18  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2073  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Transgenic Marker for Newly Born Granule Cells in Dentate Gyrus. <i>Journal of Neuroscience</i> , 2004, 24, 3251-3259.	3.6	188
2	Exaptation of Transposable Elements into Novel Cis-Regulatory Elements: Is the Evidence Always Strong?. <i>Molecular Biology and Evolution</i> , 2013, 30, 1239-1251.	8.9	153
3	Ancient Exaptation of a CORE-SINE Retroposon into a Highly Conserved Mammalian Neuronal Enhancer of the Proopiomelanocortin Gene. <i>PLoS Genetics</i> , 2007, 3, e166.	3.5	114
4	Partially Redundant Enhancers Cooperatively Maintain Mammalian Pomc Expression Above a Critical Functional Threshold. <i>PLoS Genetics</i> , 2015, 11, e1004935.	3.5	95
5	Obesity-programmed mice are rescued by early genetic intervention. <i>Journal of Clinical Investigation</i> , 2012, 122, 4203-4212.	8.2	92
6	The zinc finger gene <i>Xblimp1</i> controls anterior endomesodermal cell fate in Spemann's organizer. <i>EMBO Journal</i> , 1999, 18, 6062-6072.	7.8	86
7	Subfunctionalization of Expression and Peptide Domains Following the Ancient Duplication of the Proopiomelanocortin Gene in Teleost Fishes. <i>Molecular Biology and Evolution</i> , 2005, 22, 2417-2427.	8.9	84
8	Convergent evolution of two mammalian neuronal enhancers by sequential exaptation of unrelated retroposons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15270-15275.	7.1	82
9	Identification of Neuronal Enhancers of the Proopiomelanocortin Gene by Transgenic Mouse Analysis and Phylogenetic Footprinting. <i>Molecular and Cellular Biology</i> , 2005, 25, 3076-3086.	2.3	78
10	Evolution of transcriptional enhancers and animal diversity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130017.	4.0	67
11	The estrogen receptor $\beta$ colocalizes with proopiomelanocortin in hypothalamic neurons and binds to a conserved motif present in the neuron-specific enhancer nPE2. <i>European Journal of Pharmacology</i> , 2011, 660, 181-187.	3.5	64
12	Islet 1 specifies the identity of hypothalamic melanocortin neurons and is critical for normal food intake and adiposity in adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1861-70.	7.1	59
13	Anterior endoderm and head induction in early vertebrate embryos. <i>Cell and Tissue Research</i> , 2000, 300, 207-217.	2.9	42
14	Essential function of the transcription factor <i>Rax</i> in the early patterning of the mammalian hypothalamus. <i>Developmental Biology</i> , 2016, 416, 212-224.	2.0	36
15	Enhancer turnover and conserved regulatory function in vertebrate evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130027.	4.0	31
16	The Homeodomain Transcription Factor <i>NKX2.1</i> Is Essential for the Early Specification of Melanocortin Neuron Identity and Activates <i>Pomc</i> Expression in the Developing Hypothalamus. <i>Journal of Neuroscience</i> , 2019, 39, 4023-4035.	3.6	29
17	Transcriptional Regulation of Pituitary POMC Is Conserved at the Vertebrate Extremes Despite Great Promoter Sequence Divergence. <i>Molecular Endocrinology</i> , 2007, 21, 2738-2749.	3.7	25
18	Sequencing of small RNAs of the fern <i>Pleopeltis minima</i> (Polypodiaceae) offers insight into the evolution of the microRNA repertoire in land plants. <i>PLoS ONE</i> , 2017, 12, e0177573.	2.5	24

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19	A P-type ATPase from the aquatic fungus <i>Blastocladiella emersonii</i> similar to animal Na,K-ATPases. <i>BBA - Proteins and Proteomics</i> , 1998, 1383, 183-187.	2.1	17
20	Selective pressure against horizontally acquired prokaryotic genes as a driving force of plastid evolution. <i>Scientific Reports</i> , 2016, 6, 19036.	3.3	12
21	Evolution of the Rax family of developmental transcription factors in vertebrates. <i>Mechanisms of Development</i> , 2017, 144, 163-170.	1.7	11
22	Rathke's cleft-like cysts arise from <i>Isl1</i> deletion in murine pituitary progenitors. <i>Journal of Clinical Investigation</i> , 2020, 130, 4501-4515.	8.2	9
23	Constitutive Expression of the $\alpha 10$ Nicotinic Acetylcholine Receptor Subunit Fails to Maintain Cholinergic Responses in Inner Hair Cells After the Onset of Hearing. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2009, 10, 397-406.	1.8	8
24	Conserved roles of <i>Rax/rx3</i> genes in hypothalamus and pituitary development. <i>International Journal of Developmental Biology</i> , 2021, 65, 195-205.	0.6	6
25	Positive selection of co-opted mobile genetic elements in a mammalian gene. <i>Mobile Genetic Elements</i> , 2012, 2, 106-109.	1.8	4
26	cDNA cloning, biochemical and phylogenetic characterization of $\alpha$ - and $\beta$ -subunits of <i>Candida albicans</i> protein kinase CK2. <i>Yeast</i> , 2003, 20, 471-478.	1.7	3