

Marcelo Behar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17 papers	1,045 citations	15 h-index	17 g-index
17 ext. papers	1,213 ext. citations	11.3 avg, IF	4.14 L-index

#	Paper	IF	Citations
17	Entropic Control of Receptor Recycling Using Engineered Ligands. <i>Biophysical Journal</i> , 2018 , 114, 1377-1388	13.88	15
16	Oscillation dynamics underlie functional switching of NF- κ B for B-cell activation. <i>Npj Systems Biology and Applications</i> , 2016 , 2, 16024	5	19
15	Anatomy of a negative feedback loop: the case of IB κ . <i>Journal of the Royal Society Interface</i> , 2015 , 12, 0262	4.1	21
14	Topology, dynamics, and heterogeneity in immune signaling. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2015 , 7, 285-300	6.6	5
13	Positive feedback within a kinase signaling complex functions as a switch mechanism for NF- κ B activation. <i>Science</i> , 2014 , 344, 760-4	33.3	75
12	The dynamics of signaling as a pharmacological target. <i>Cell</i> , 2013 , 155, 448-61	56.2	106
11	Tunable signal processing through a kinase control cycle: the IKK signaling node. <i>Biophysical Journal</i> , 2013 , 105, 231-41	2.9	20
10	Analysis of the RelA:CBP/p300 interaction reveals its involvement in NF- κ B-driven transcription. <i>PLoS Biology</i> , 2013 , 11, e1001647	9.7	81
9	Lessons from mathematically modeling the NF- κ B pathway. <i>Immunological Reviews</i> , 2012 , 246, 221-38	11.3	97
8	NEMO ensures signaling specificity of the pleiotropic IKK β by directing its kinase activity toward IB κ . <i>Molecular Cell</i> , 2012 , 47, 111-21	17.6	63
7	Yeast dynamically modify their environment to achieve better mating efficiency. <i>Science Signaling</i> , 2011 , 4, ra54	8.8	39
6	Understanding the temporal codes of intra-cellular signals. <i>Current Opinion in Genetics and Development</i> , 2010 , 20, 684-93	4.9	125
5	Regulation of cell signaling dynamics by the protein kinase-scaffold Ste5. <i>Molecular Cell</i> , 2008 , 30, 649-56	7.6	98
4	Dose-to-duration encoding and signaling beyond saturation in intracellular signaling networks. <i>PLoS Computational Biology</i> , 2008 , 4, e1000197	5	45
3	Mathematical and computational analysis of adaptation via feedback inhibition in signal transduction pathways. <i>Biophysical Journal</i> , 2007 , 93, 806-21	2.9	90
2	A systems-biology analysis of feedback inhibition in the Sho1 osmotic-stress-response pathway. <i>Current Biology</i> , 2007 , 17, 659-67	6.3	84
1	Kinetic insulation as an effective mechanism for achieving pathway specificity in intracellular signaling networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16146-51	11.5	62

