Junji Morokuma

List of Publications by Year
in descending order

17 papers	1,133 citations	623734 14 h-index	888059 17 g-index
19 all docs	19 docs citations	19 times ranked	944 citing authors

#	Article	IF	Citations
1	Long-range neural and gap junction protein-mediated cues control polarity during planarian regeneration. Developmental Biology, 2010, 339, 188-199.	2.0	176
2	A Chemical Genetics Approach Reveals H,K-ATPase-Mediated Membrane Voltage Is Required for Planarian Head Regeneration. Chemistry and Biology, 2011, 18, 77-89.	6.0	165
3	Bioelectric signaling regulates head and organ size during planarian regeneration. Development (Cambridge), 2013, 140, 313-322.	2.5	128
4	TGF-Î² signaling-mediated morphogenesis: modulation of cell adhesion via cadherin endocytosis. Genes and Development, 2007, 21, 1817-1831.	5.9	121
5	Modulation of potassium channel function confers a hyperproliferative invasive phenotype on embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16608-16613.	7.1	101
6	Long-Term, Stochastic Editing of Regenerative Anatomy via Targeting Endogenous Bioelectric Gradients. Biophysical Journal, 2017, 112, 2231-2243.	0.5	101
7	Gap Junctional Blockade Stochastically Induces Different Species-Specific Head Anatomies in Genetically Wild-Type Girardia dorotocephala Flatworms. International Journal of Molecular Sciences, 2015, 16, 27865-27896.	4.1	84
8	The Role of Early Bioelectric Signals in the Regeneration of Planarian Anterior/Posterior Polarity. Biophysical Journal, 2019, 116, 948-961.	0.5	70
9	KCNQ1 and KCNE1 K⁺ Channel Components are Involved in Early Left-Right Patterning in <i>Xenopus laevis</i> Embryos. Cellular Physiology and Biochemistry, 2008, 21, 357-372.	1.6	52
10	Neural control of body-plan axis in regenerating planaria. PLoS Computational Biology, 2019, 15, e1006904.	3.2	36
11	Inhibition of Planar Cell Polarity Extends Neural Growth During Regeneration, Homeostasis, and Development. Stem Cells and Development, 2012, 21, 2085-2094.	2.1	28
12	Planarian regeneration in space: Persistent anatomical, behavioral, and bacteriological changes induced by space travel. Regeneration (Oxford, England), 2017, 4, 85-102.	6.3	23
13	Regenerative Adaptation to Electrochemical Perturbation in Planaria: A Molecular Analysis of Physiological Plasticity. IScience, 2019, 22, 147-165.	4.1	19
14	Computational discovery and in vivo validation of hnf4 as a regulatory gene in planarian regeneration. Bioinformatics, 2016, 32, 2681-2685.	4.1	17
15	Role of the Phospholipase C Pathway and Calcium Mobilization in Oxytocin-Induced Contraction of Lacrimal Gland Myoepithelial Cells. , 2021, 62, 25.		7
16	Space travel has effects on planarian regeneration that cannot be explained by a null hypothesis. Regeneration (Oxford, England), 2017, 4, 156-158.	6.3	2
17	Live imaging of intracellular pH in planarians using the ratiometric fluorescent dye SNARF-5F-AM. Biology Methods and Protocols, 2019, 4, bpz005.	2.2	1