

Ryan G Walker

List of Publications by Year in descending order

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21
papers

719
citations

759233

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713466

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23
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times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating Growth Differentiation Factor 11/8 Levels Decline With Age. <i>Circulation Research</i> , 2016, 118, 29-37.	4.5	161
2	Biochemistry and Biology of GDF11 and Myostatin. <i>Circulation Research</i> , 2016, 118, 1125-1142.	4.5	155
3	Structural basis for potency differences between GDF8 and GDF11. <i>BMC Biology</i> , 2017, 15, 19.	3.8	90
4	A consensus model of human apolipoprotein A-I in its monomeric and lipid-free state. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 1093-1099.	8.2	54
5	Myostatin Stimulates, Not Inhibits, C2C12 Myoblast Proliferation. <i>Endocrinology</i> , 2014, 155, 670-675.	2.8	35
6	Alternative Binding Modes Identified for Growth and Differentiation Factor-associated Serum Protein (GASP) Family Antagonism of Myostatin. <i>Journal of Biological Chemistry</i> , 2015, 290, 7506-7516.	3.4	35
7	Molecular characterization of latent GDF8 reveals mechanisms of activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E866-E875.	7.1	30
8	The Structure of Human Apolipoprotein A-IV as Revealed by Stable Isotope-assisted Cross-linking, Molecular Dynamics, and Small Angle X-ray Scattering. <i>Journal of Biological Chemistry</i> , 2014, 289, 5596-5608.	3.4	26
9	Myostatin Attenuation In Vivo Reduces Adiposity, but Activates Adipogenesis. <i>Endocrinology</i> , 2016, 157, 282-291.	2.8	17
10	An Evaluation of the Crystal Structure of C-terminal Truncated Apolipoprotein A-I in Solution Reveals Structural Dynamics Related to Lipid Binding. <i>Journal of Biological Chemistry</i> , 2016, 291, 5439-5451.	3.4	16
11	Analysis of Cre-mediated genetic deletion of <i>Gdf11</i> in cardiomyocytes of young mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H201-H212.	3.2	16
12	Exogenous GDF11, but not GDF8, reduces body weight and improves glucose homeostasis in mice. <i>Scientific Reports</i> , 2020, 10, 4561.	3.3	15
13	Crystal structure of the WFIKKN2 follistatin domain reveals insight into how it inhibits growth differentiation factor 8 (GDF8) and GDF11. <i>Journal of Biological Chemistry</i> , 2019, 294, 6333-6343.	3.4	13
14	Analysis of the Interaction between Heparin and Follistatin and Heparin and Follistatin-Ligand Complexes Using Surface Plasmon Resonance. <i>Biochemistry</i> , 2012, 51, 6797-6803.	2.5	12
15	Role of Conserved Proline Residues in Human Apolipoprotein A-IV Structure and Function. <i>Journal of Biological Chemistry</i> , 2015, 290, 10689-10702.	3.4	11
16	Changes in NGF and NT-3 protein species in the superior cervical ganglion following axotomy of postganglionic axons. <i>Brain Research</i> , 2009, 1255, 1-8.	2.2	8
17	Fibronectin-based scaffold domain proteins that bind myostatin: a patent evaluation of WO2014043344. <i>Expert Opinion on Therapeutic Patents</i> , 2015, 25, 619-624.	5.0	7
18	Sympathetic reinnervation of peripheral targets following bilateral axotomy of the adult superior cervical ganglion. <i>Brain Research</i> , 2012, 1473, 44-54.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Variation in zygotic CRISPR/Cas9 gene editing outcomes generates novel reporter and deletion alleles at the Gdf11 locus. <i>Scientific Reports</i> , 2019, 9, 18613.	3.3	5
20	Heparin-mediated dimerization of follistatin. <i>Experimental Biology and Medicine</i> , 2021, 246, 467-482.	2.4	3
21	New Insight Into Hyperemesis Gravidarum and a Potential Role for GDF15. <i>Endocrinology</i> , 2018, 159, 2698-2700.	2.8	2