

# Craig A Harrison

## List of Publications by Citations

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51  
papers

1,733  
citations

24  
h-index

41  
g-index

52  
ext. papers

2,071  
ext. citations

5.8  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
51	Targeting TGF- $\beta$ -Mediated SMAD Signaling for the Prevention of Fibrosis. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 461	5.6	238
50	Antagonists of activin signaling: mechanisms and potential biological applications. <i>Trends in Endocrinology and Metabolism</i> , <b>2005</b> , 16, 73-8	8.8	174
49	Prodomains regulate the synthesis, extracellular localisation and activity of TGF- $\beta$ -superfamily ligands. <i>Growth Factors</i> , <b>2011</b> , 29, 174-86	1.6	90
48	Cumulin, an Oocyte-secreted Heterodimer of the Transforming Growth Factor- $\beta$ Family, Is a Potent Activator of Granulosa Cells and Improves Oocyte Quality. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 24007-20	5.4	84
47	New insights into the mechanisms of activin action and inhibition. <i>Molecular and Cellular Endocrinology</i> , <b>2012</b> , 359, 2-12	4.4	71
46	Identification of distinct inhibin and transforming growth factor beta-binding sites on betaglycan: functional separation of betaglycan co-receptor actions. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 17011-17022	5.4	69
45	Structural basis for potency differences between GDF8 and GDF11. <i>BMC Biology</i> , <b>2017</b> , 15, 19	7.3	63
44	An activin mutant with disrupted ALK4 binding blocks signaling via type II receptors. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 28036-44	5.4	60
43	Activins and inhibins and their signaling. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1038, 142-7	6.5	57
42	Specific targeting of TGF- $\beta$ -family ligands demonstrates distinct roles in the regulation of muscle mass in health and disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E5266-E5275	11.5	54
41	A common biosynthetic pathway governs the dimerization and secretion of inhibin and related transforming growth factor beta (TGFbeta) ligands. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 9311-20	5.4	54
40	Smad7 gene delivery prevents muscle wasting associated with cancer cachexia in mice. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 348ra98	17.5	45
39	The angiotensin receptor blocker, Losartan, inhibits mammary tumor development and progression to invasive carcinoma. <i>Oncotarget</i> , <b>2017</b> , 8, 18640-18656	3.3	45
38	Differential Effects of IL6 and Activin A in the Development of Cancer-Associated Cachexia. <i>Cancer Research</i> , <b>2016</b> , 76, 5372-82	10.1	43
37	Inhibin A and B in vitro bioactivities are modified by their degree of glycosylation and their affinities to betaglycan. <i>Endocrinology</i> , <b>2007</b> , 148, 2309-16	4.8	42
36	Identification of a functional binding site for activin on the type I receptor ALK4. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 21129-35	5.4	42
35	Development of novel activin-targeted therapeutics. <i>Molecular Therapy</i> , <b>2015</b> , 23, 434-44	11.7	40

34	Suppression of inhibin A biological activity by alterations in the binding site for betaglycan. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 16743-51	5.4	39
33	Identification of specific inhibin A-binding proteins on mouse Leydig (TM3) and sertoli (TM4) cell lines. <i>Endocrinology</i> , <b>2001</b> , 142, 1393-402	4.8	34
32	Inhibin binding sites and proteins in pituitary, gonadal, adrenal and bone cells. <i>Molecular and Cellular Endocrinology</i> , <b>2001</b> , 180, 63-71	4.4	34
31	The TGF- $\beta$ Signalling Network in Muscle Development, Adaptation and Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 900, 97-131	3.6	33
30	Inhibin B is a more potent suppressor of rat follicle-stimulating hormone release than inhibin a in vitro and in vivo. <i>Endocrinology</i> , <b>2009</b> , 150, 4784-93	4.8	33
29	Activation of latent human GDF9 by a single residue change (Gly 391 Arg) in the mature domain. <i>Endocrinology</i> , <b>2012</b> , 153, 1301-10	4.8	33
28	Species differences in the expression and activity of bone morphogenetic protein 15. <i>Endocrinology</i> , <b>2013</b> , 154, 888-99	4.8	24
27	Molecular characterization of latent GDF8 reveals mechanisms of activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E866-E875	11.5	23
26	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	23
25	Activin-A binds follistatin and type II receptors through overlapping binding sites: generation of mutants with isolated binding activities. <i>Endocrinology</i> , <b>2006</b> , 147, 2744-53	4.8	23
24	Aberrant GDF9 expression and activation are associated with common human ovarian disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E615-24	5.6	21
23	BMP15 Mutations Associated With Primary Ovarian Insufficiency Reduce Expression, Activity, or Synergy With GDF9. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2017</b> , 102, 1009-1019	5.6	20
22	Biological activity and in vivo half-life of pro-activin A in male rats. <i>Molecular and Cellular Endocrinology</i> , <b>2016</b> , 422, 84-92	4.4	14
21	Extra-ovarian expression and activity of growth differentiation factor 9. <i>Journal of Endocrinology</i> , <b>2009</b> , 202, 419-30	4.7	14
20	Cumulin and FSH Cooperate to Regulate Inhibin B and Activin B Production by Human Granulosa-Lutein Cells In Vitro. <i>Endocrinology</i> , <b>2019</b> , 160, 853-862	4.8	10
19	Inhibin Biosynthesis and Activity Are Limited by a Prodomain-Derived Peptide. <i>Endocrinology</i> , <b>2015</b> , 156, 3047-57	4.8	10
18	Multiple Soluble TGF- $\beta$ Receptors in Addition to Soluble Endoglin Are Elevated in Preeclamptic Serum and They Synergistically Inhibit TGF- $\beta$ Signaling. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2017</b> , 102, 3065-3074	5.6	8
17	Activin A-Induced Cachectic Wasting Is Attenuated by Systemic Delivery of Its Cognate Propeptide in Male Mice. <i>Endocrinology</i> , <b>2019</b> , 160, 2417-2426	4.8	8

16	Serum Concentrations of Oocyte-Secreted Factors BMP15 and GDF9 During IVF and in Women With Reproductive Pathologies. <i>Endocrinology</i> , <b>2019</b> , 160, 2298-2313	4.8	8
15	Structure of AMH bound to AMHR2 provides insight into a unique signaling pair in the TGF- $\beta$ family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	8
14	A variant of human growth differentiation factor-9 that improves oocyte developmental competence. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 7981-7991	5.4	6
13	Engineering the Ovarian Hormones Inhibin A and Inhibin B to Enhance Synthesis and Activity. <i>Endocrinology</i> , <b>2020</b> , 161,	4.8	6
12	Use of detergent-based buffers allows detection of precursor inhibin forms in an immunoassay format. <i>Molecular and Cellular Endocrinology</i> , <b>2013</b> , 381, 106-14	4.4	5
11	A Novel, More Efficient Approach to Generate Bioactive Inhibins. <i>Endocrinology</i> , <b>2016</b> , 157, 2799-809	4.8	5
10	TGFBR3L is an inhibin B co-receptor that regulates female fertility.. <i>Science Advances</i> , <b>2021</b> , 7, eabl4391	14.3	4
9	Readiness to change and reasons for intended reduction of alcohol consumption in emergency department versus trauma population. <i>Western Journal of Emergency Medicine</i> , <b>2014</b> , 15, 337-44	3.3	4
8	TMEPAI/PMEPA1 Is a Positive Regulator of Skeletal Muscle Mass. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 5602256		3
7	Selection of internal control genes for analysis of gene expression in normal and diseased human dermal fibroblasts using quantitative real-time PCR. <i>Experimental Dermatology</i> , <b>2016</b> , 25, 911-914	4	3
6	Inhibin inactivation in female mice leads to elevated FSH levels, ovarian over-stimulation, and pregnancy loss.. <i>Endocrinology</i> , <b>2022</b> ,	4.8	3
5	Inhibin: To Betaglycan, or Not to Betaglycan. <i>Endocrinology</i> , <b>2019</b> , 160, 341-342	4.8	1
4	Functional Characterization of Two New Variants in the Bone Morphogenetic Protein 7 Prodomain in Two Pairs of Monozygotic Twins With Hypospadias. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3, 814-824	0.4	1
3	Potential treatment of keloid pathogenesis with follistatin 288 by blocking the activin molecular pathway. <i>Experimental Dermatology</i> , <b>2021</b> , 30, 402-408	4	1
2	Effect of cumulin and super-GDF9 in standard and biphasic mouse IVM.. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2022</b> , 39, 127	3.4	0
1	Interleukin 11 and Activin A Synergise to Enhance Medroxyprogesterone But Not cAMP-Induced Decidualization of Human Endometrial Stromal Cells.. <i>Biology of Reproduction</i> , <b>2008</b> , 78, 143-143	3.9	