

# Craig A Harrison

## List of Publications by Year in descending order

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52  
papers

2,351  
citations

201385

27  
h-index

214527

47  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting TGF- $\beta$ 2 Mediated SMAD Signaling for the Prevention of Fibrosis. <i>Frontiers in Pharmacology</i> , 2017, 8, 461.	1.6	393
2	Antagonists of activin signaling: mechanisms and potential biological applications. <i>Trends in Endocrinology and Metabolism</i> , 2005, 16, 73-78.	3.1	188
3	Cumulin, an Oocyte-secreted Heterodimer of the Transforming Growth Factor- $\beta$ 2 Family, Is a Potent Activator of Granulosa Cells and Improves Oocyte Quality. <i>Journal of Biological Chemistry</i> , 2015, 290, 24007-24020.	1.6	130
4	Prodomains regulate the synthesis, extracellular localisation and activity of TGF- $\beta$ 2 superfamily ligands. <i>Growth Factors</i> , 2011, 29, 174-186.	0.5	99
5	Structural basis for potency differences between GDF8 and GDF11. <i>BMC Biology</i> , 2017, 15, 19.	1.7	90
6	Specific targeting of TGF- $\beta$ 2 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> , 2017, 114, E5266-E5275.	3.3	90
7	New insights into the mechanisms of activin action and inhibition. <i>Molecular and Cellular Endocrinology</i> , 2012, 359, 2-12.	1.6	81
8	Activins and Inhibins and Their Signaling. <i>Annals of the New York Academy of Sciences</i> , 2004, 1038, 142-147.	1.8	71
9	Identification of Distinct Inhibin and Transforming Growth Factor $\beta$ 2-binding Sites on Betaglycan. <i>Journal of Biological Chemistry</i> , 2006, 281, 17011-17022.	1.6	71
10	<i>Smad7</i> gene delivery prevents muscle wasting associated with cancer cachexia in mice. <i>Science Translational Medicine</i> , 2016, 8, 348ra98.	5.8	70
11	The angiotensin receptor blocker, Losartan, inhibits mammary tumor development and progression to invasive carcinoma. <i>Oncotarget</i> , 2017, 8, 18640-18656.	0.8	66
12	An Activin Mutant with Disrupted ALK4 Binding Blocks Signaling via Type II Receptors. <i>Journal of Biological Chemistry</i> , 2004, 279, 28036-28044.	1.6	63
13	A Common Biosynthetic Pathway Governs the Dimerization and Secretion of Inhibin and Related Transforming Growth Factor $\beta$ 2 (TGF $\beta$ 2) Ligands. <i>Journal of Biological Chemistry</i> , 2009, 284, 9311-9320.	1.6	63
14	Differential Effects of IL6 and Activin A in the Development of Cancer-Associated Cachexia. <i>Cancer Research</i> , 2016, 76, 5372-5382.	0.4	62
15	The TGF- $\beta$ 2 Signalling Network in Muscle Development, Adaptation and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2016, 900, 97-131.	0.8	56
16	Identification of a Functional Binding Site for Activin on the Type I Receptor ALK4. <i>Journal of Biological Chemistry</i> , 2003, 278, 21129-21135.	1.6	49
17	Inhibin A and B in Vitro Bioactivities Are Modified by Their Degree of Glycosylation and Their Affinities to Betaglycan. <i>Endocrinology</i> , 2007, 148, 2309-2316.	1.4	47
18	Development of Novel Activin-Targeted Therapeutics. <i>Molecular Therapy</i> , 2015, 23, 434-444.	3.7	46

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19	Suppression of Inhibin A Biological Activity by Alterations in the Binding Site for Betaglycan. <i>Journal of Biological Chemistry</i> , 2008, 283, 16743-16751.	1.6	42
20	Activation of Latent Human GDF9 by a Single Residue Change (Gly391Arg) in the Mature Domain. <i>Endocrinology</i> , 2012, 153, 1301-1310.	1.4	40
21	Inhibin B Is a More Potent Suppressor of Rat Follicle-Stimulating Hormone Release than Inhibin A in Vitro and in Vivo. <i>Endocrinology</i> , 2009, 150, 4784-4793.	1.4	38
22	Identification of Specific Inhibin A-Binding Proteins on Mouse Leydig (TM3) and Sertoli (TM4) Cell Lines*. <i>Endocrinology</i> , 2001, 142, 1393-1402.	1.4	36
23	Inhibin binding sites and proteins in pituitary, gonadal, adrenal and bone cells. <i>Molecular and Cellular Endocrinology</i> , 2001, 180, 63-71.	1.6	34
24	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	32
25	BMP15 Mutations Associated With Primary Ovarian Insufficiency Reduce Expression, Activity, or Synergy With GDF9. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1009-1019.	1.8	31
26	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.	3.3	30
27	Aberrant GDF9 Expression and Activation Are Associated With Common Human Ovarian Disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E615-E624.	1.8	29
28	Species Differences in the Expression and Activity of Bone Morphogenetic Protein 15. <i>Endocrinology</i> , 2013, 154, 888-899.	1.4	28
29	A variant of human growth differentiation factor-9 that improves oocyte developmental competence. <i>Journal of Biological Chemistry</i> , 2020, 295, 7981-7991.	1.6	28
30	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> , 2021, 118, .	3.3	26
31	Activin-A Binds Follistatin and Type II Receptors through Overlapping Binding Sites: Generation of Mutants with Isolated Binding Activities. <i>Endocrinology</i> , 2006, 147, 2744-2753.	1.4	25
32	TGFBR3L is an inhibin B co-receptor that regulates female fertility. <i>Science Advances</i> , 2021, 7, eabl4391.	4.7	21
33	Serum Concentrations of Oocyte-Secreted Factors BMP15 and GDF9 During IVF and in Women With Reproductive Pathologies. <i>Endocrinology</i> , 2019, 160, 2298-2313.	1.4	19
34	Activin A-Induced Cachectic Wasting Is Attenuated by Systemic Delivery of Its Cognate Propeptide in Male Mice. <i>Endocrinology</i> , 2019, 160, 2417-2426.	1.4	17
35	Cumulin and FSH Cooperate to Regulate Inhibin B and Activin B Production by Human Granulosa-Lutein Cells In Vitro. <i>Endocrinology</i> , 2019, 160, 853-862.	1.4	17
36	Extra-ovarian expression and activity of growth differentiation factor 9. <i>Journal of Endocrinology</i> , 2009, 202, 419-430.	1.2	16

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37	Biological activity and in vivo half-life of pro-activin A in male rats. <i>Molecular and Cellular Endocrinology</i> , 2016, 422, 84-92.	1.6	14
38	Multiple Soluble TGF- $\beta$ 2 Receptors in Addition to Soluble Endoglin Are Elevated in Preeclamptic Serum and They Synergistically Inhibit TGF- $\beta$ 2 Signaling. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3065-3074.	1.8	13
39	Inhibin Biosynthesis and Activity Are Limited by a Prodomain-Derived Peptide. <i>Endocrinology</i> , 2015, 156, 3047-3057.	1.4	10
40	A Novel, More Efficient Approach to Generate Bioactive Inhibins. <i>Endocrinology</i> , 2016, 157, 2799-2809.	1.4	10
41	Potential treatment of keloid pathogenesis with follistatin 288 by blocking the activin molecular pathway. <i>Experimental Dermatology</i> , 2021, 30, 402-408.	1.4	9
42	Engineering the Ovarian Hormones Inhibin A and Inhibin B to Enhance Synthesis and Activity. <i>Endocrinology</i> , 2020, 161, .	1.4	8
43	Effect of cumulin and super-GDF9 in standard and biphasic mouse IVM. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 127-140.	1.2	8
44	Use of detergent-based buffers allows detection of precursor inhibin forms in an immunoassay format. <i>Molecular and Cellular Endocrinology</i> , 2013, 381, 106-114.	1.6	6
45	Readiness to Change and Reasons for Intended Reduction of Alcohol Consumption in Emergency Department versus Trauma Population. <i>Western Journal of Emergency Medicine</i> , 2014, 15, 337-344.	0.6	6
46	TMEPAI/PMEPA1 Is a Positive Regulator of Skeletal Muscle Mass. <i>Frontiers in Physiology</i> , 2020, 11, 560225.	1.3	5
47	Interleukin 11 and Activin A Synergise to Enhance Medroxyprogesterone But Not cAMP-Induced Decidualization of Human Endometrial Stromal Cells.. <i>Biology of Reproduction</i> , 2008, 78, 143-143.	1.2	5
48	Inhibin Inactivation in Female Mice Leads to Elevated FSH Levels, Ovarian Overstimulation, and Pregnancy Loss. <i>Endocrinology</i> , 2022, 163, .	1.4	5
49	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> , 2016, 25, 911-914.	1.4	3
50	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> , 2019, 3, 814-824.	0.1	2
51	Human INHBB Gene Variant (c.1079T>C;p.Met360Thr) Alters Testis Germ Cell Content, but Does Not Impact Fertility in Mice. <i>Endocrinology</i> , 2022, 163, .	1.4	2
52	Inhibin: To Betaglycan, or Not to Betaglycan. <i>Endocrinology</i> , 2019, 160, 341-342.	1.4	1