

Barbara D Smith

List of Publications by Citations

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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.

46
papers

2,065
citations

26
h-index

45
g-index

46
ext. papers

2,168
ext. citations

7.4
avg, IF

4.28
L-index

#	Paper	IF	Citations
46	Nature of the collagen synthesized by a transplanted chondrosarcoma. <i>Archives of Biochemistry and Biophysics</i> , 1975 , 166, 181-6	4.1	234
45	Stimulation of collagen formation by insulin and insulin-like growth factor I in cultures of human lung fibroblasts. <i>Endocrinology</i> , 1989 , 124, 964-70	4.8	205
44	Identification of the collagenous proteins synthesized by cultured cells from human skin. <i>Biochemistry</i> , 1975 , 14, 1589-94	3.2	107
43	Myocardin-related transcription factor A regulates conversion of progenitors to beige adipocytes. <i>Cell</i> , 2015 , 160, 105-18	56.2	103
42	Production of procollagen by human fibroblasts in culture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1972 , 69, 3260-2	11.5	101
41	Identification of collagen alpha1(I) trimer and normal type I collagen in a polyoma virus-induced mouse tumor. <i>Archives of Biochemistry and Biophysics</i> , 1977 , 182, 33-41	4.1	98
40	A secreted phosphoprotein marker for neoplastic transformation of both epithelial and fibroblastic cells. <i>Nature</i> , 1983 , 302, 714-5	50.4	95
39	Myocardin-related transcription factor-A complexes activate type I collagen expression in lung fibroblasts. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44116-44125	5.4	94
38	Extracellular matrix synthesis in vascular disease: hypertension, and atherosclerosis. <i>Journal of Biomedical Research</i> , 2014 , 28, 25-39	1.5	65
37	A Role of Myocardin Related Transcription Factor-A (MRTF-A) in Scleroderma Related Fibrosis. <i>PLoS ONE</i> , 2015 , 10, e0126015	3.7	62
36	Collagen alpha1(I) gene (COL1A1) is repressed by RFX family. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21004-14	5.4	52
35	Characterization of collagen precursors found in rat skin and rat bone. <i>Biochemistry</i> , 1977 , 16, 2980-5	3.2	52
34	Major histocompatibility class II transactivator (CIITA) mediates repression of collagen (COL1A2) transcription by interferon gamma (IFN-gamma). <i>Journal of Biological Chemistry</i> , 2004 , 279, 41319-32	5.4	51
33	Interferon-gamma induces major histocompatibility class II transactivator (CIITA), which mediates collagen repression and major histocompatibility class II activation by human aortic smooth muscle cells. <i>Circulation Research</i> , 2006 , 98, 472-9	15.7	50
32	TNF-alpha upregulates the A2B adenosine receptor gene: The role of NAD(P)H oxidase 4. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 375, 292-6	3.4	47
31	The RFX family interacts at the collagen (COL1A2) start site and represses transcription. <i>Journal of Biological Chemistry</i> , 2002 , 277, 24926-37	5.4	45
30	Characterization of collagen synthesized by normal and chemically transformed rat liver epithelial cell lines. <i>Biochemistry</i> , 1980 , 19, 1820-5	3.2	42

29	DNA hypermethylation near the transcription start site of collagen alpha2(I) gene occurs in both cancer cell lines and primary colorectal cancers. <i>Cancer Research</i> , 2003 , 63, 1789-97	10.1	37
28	The accumulation of type I collagen mRNAs in human embryonic lung fibroblasts stimulated by transforming growth factor-beta. <i>Connective Tissue Research</i> , 1990 , 24, 237-47	3.3	35
27	Aortic carboxypeptidase-like protein (ACLP) enhances lung myofibroblast differentiation through transforming growth factor β receptor-dependent and -independent pathways. <i>Journal of Biological Chemistry</i> , 2014 , 289, 2526-36	5.4	34
26	A methylation-responsive MDBP/RFX site is in the first exon of the collagen alpha2(I) promoter. <i>Journal of Biological Chemistry</i> , 1999 , 274, 36649-55	5.4	34
25	Regulatory factor for X-box family proteins differentially interact with histone deacetylases to repress collagen alpha2(I) gene (COL1A2) expression. <i>Journal of Biological Chemistry</i> , 2006 , 281, 9260-70	5.4	32
24	Interferon gamma repression of collagen (COL1A2) transcription is mediated by the RFX5 complex. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49134-44	5.4	31
23	Binding of lysyl oxidase to fibrils of type I collagen. <i>Connective Tissue Research</i> , 1985 , 14, 109-19	3.3	31
22	Regulating the activity of class II transactivator by posttranslational modifications: exploring the possibilities. <i>Molecular and Cellular Biology</i> , 2009 , 29, 5639-44	4.8	28
21	CIITA mediates interferon-gamma repression of collagen transcription through phosphorylation-dependent interactions with co-repressor molecules. <i>Journal of Biological Chemistry</i> , 2008 , 283, 1243-1256	5.4	28
20	Expression of type I collagen mRNA in glomeruli of rats with passive Heymann nephritis. <i>Kidney International</i> , 1993 , 43, 121-7	9.9	22
19	Methylation in the initiation region of the first exon suppresses collagen pro-alpha2(I) gene transcription. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998 , 1443, 75-89		21
18	Role of the pro- α 2(I) COOH-terminal region in assembly of type I collagen: Truncation of the last 10 amino acid residues of pro- α 2(I) chain prevents assembly of type I collagen heterotrimer. <i>Journal of Cellular Biochemistry</i> , 1998 , 71, 216-232	4.7	21
17	Collagen synthesis by cultures of stromal cells from normal human and keratoconus corneas. <i>Biochemical and Biophysical Research Communications</i> , 1979 , 86, 465-72	3.4	21
16	Fibronectin and collagen of cultured skin fibroblasts in diabetes mellitus. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 100, 275-82	3.4	21
15	Role of the pro- α 2(I) COOH-terminal region in assembly of type I collagen: Disruption of two intramolecular disulfide bonds in pro- α 2(I) blocks assembly of type I collagen. <i>Journal of Cellular Biochemistry</i> , 1998 , 71, 233-242	4.7	19
14	Major histocompatibility class II transactivator expression in smooth muscle cells from A2b adenosine receptor knock-out mice: cross-talk between the adenosine and interferon-gamma signaling. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14213-20	5.4	17
13	Peroxisome proliferator-activated receptor gamma interacts with CIITA x RFX5 complex to repress type I collagen gene expression. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26046-56	5.4	17
12	Identification of collagens synthesized by cultures of normal human corneal and keratoconus stromal cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1983 , 755, 318-25	4	16

11	Discordant regulation of human type I collagen genes by prostaglandin E2. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992 , 1135, 67-72	4.9	15
10	Discordant regulation of transforming growth factor-beta receptors by prostaglandin E2. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995 , 1261, 19-24		12
9	The effect of class II transactivator mutations on bleomycin-induced lung inflammation and fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 44, 898-905	5.7	11
8	Expression of alpha 2 type I collagen in W8 cells increases cell adhesion and decreases colony formation in soft agar. <i>Matrix Biology</i> , 1994 , 14, 21-30	11.4	11
7	Collagen and major histocompatibility class II expression in mesenchymal cells from CIITA hypomorphic mice. <i>Molecular Immunology</i> , 2007 , 44, 1709-21	4.3	10
6	Transgenic mice with a mutated collagen promoter display normal response during bleomycin-induced fibrosis and possess neurological abnormalities. <i>Journal of Cellular Biochemistry</i> , 2000 , 77, 135-48	4.7	10
5	A member of the Y-box protein family interacts with an upstream element in the alpha1(I) collagen gene. <i>Matrix Biology</i> , 2001 , 20, 527-41	11.4	9
4	Collagen synthesis in normal BHK cells and temperature-sensitive chemically transformed BHK cells. <i>In Vitro</i> , 1979 , 15, 455-62		7
3	Cell-specific expression of the $\alpha 1(I)$ collagen promoter-CAT transgene in skin and lung: A response to TGF- β subcutaneous injection and bleomycin endotracheal instillation 1996 , 63, 135-148		6
2	Mechanisms for Noncoordinate Expression of Type 1 Collagen Alpha Chains. <i>Annals of the New York Academy of Sciences</i> , 1990 , 580, 459-461	6.5	6
1	Aortic Carboxypeptidase-Like Protein Enhances Lung Myofibroblast Differentiation. <i>FASEB Journal</i> , 2013 , 27, 132.11	0.9	