

# Barbara D Smith

## List of Publications by Year in descending order

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46  
papers

2,326  
citations

218677  
26  
h-index

243625  
44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature of the collagen synthesized by a transplanted chondrosarcoma. Archives of Biochemistry and Biophysics, 1975, 166, 181-186.	3.0	250
2	Stimulation of Collagen Formation by Insulin and Insulin-Like Growth Factor I in Cultures of Human Lung Fibroblasts*. Endocrinology, 1989, 124, 964-970.	2.8	218
3	Myocardin-Related Transcription Factor A Regulates Conversion of Progenitors to Beige Adipocytes. Cell, 2015, 160, 105-118.	28.9	129
4	Identification of the collagenous proteins synthesized by cultured cells from human skin. Biochemistry, 1975, 14, 1589-1594.	2.5	115
5	Production of Procollagen by Human Fibroblasts in Culture. Proceedings of the National Academy of Sciences of the United States of America, 1972, 69, 3260-3262.	7.1	109
6	Extracellular matrix synthesis in vascular disease: hypertension, and atherosclerosis. Journal of Biomedical Research, 2014, 28, 25.	1.6	109
7	Myocardin-related Transcription Factor-A Complexes Activate Type I Collagen Expression in Lung Fibroblasts. Journal of Biological Chemistry, 2011, 286, 44116-44125.	3.4	108
8	Identification of collagen $\hat{1}\pm 1$ (I) trimer and normal type I collagen in a polyoma virus-induced mouse tumor. Archives of Biochemistry and Biophysics, 1977, 182, 33-41.	3.0	103
9	A secreted phosphoprotein marker for neoplastic transformation of both epithelial and fibroblastic cells. Nature, 1983, 302, 714-715.	27.8	101
10	A Role of Myocardin Related Transcription Factor-A (MRTF-A) in Scleroderma Related Fibrosis. PLoS ONE, 2015, 10, e0126015.	2.5	77
11	Collagen $\hat{1}\pm 1$ (I) Gene (COL1A1) Is Repressed by RFX Family. Journal of Biological Chemistry, 2005, 280, 21004-21014.	3.4	57
12	Characterization of collagen precursors found in rat skin and rat bone. Biochemistry, 1977, 16, 2980-2985.	2.5	56
13	Interferon- $\hat{1}3$ Induces Major Histocompatibility Class II Transactivator (CIITA), Which Mediates Collagen Repression and Major Histocompatibility Class II Activation by Human Aortic Smooth Muscle Cells. Circulation Research, 2006, 98, 472-479.	4.5	55
14	Major Histocompatibility Class II Transactivator (CIITA) Mediates Repression of Collagen (COL1A2) Transcription by Interferon $\hat{1}3$ (IFN- $\hat{1}3$ ). Journal of Biological Chemistry, 2004, 279, 41319-41332.	3.4	54
15	The RFX Family Interacts at the Collagen (COL1A2) Start Site and Represses Transcription. Journal of Biological Chemistry, 2002, 277, 24926-24937.	3.4	52
16	TNF- $\hat{1}\pm$ upregulates the A2B adenosine receptor gene: The role of NAD(P)H oxidase 4. Biochemical and Biophysical Research Communications, 2008, 375, 292-296.	2.1	51
17	Aortic Carboxypeptidase-like Protein (ACLP) Enhances Lung Myofibroblast Differentiation through Transforming Growth Factor $\hat{1}2$ Receptor-dependent and -independent Pathways. Journal of Biological Chemistry, 2014, 289, 2526-2536.	3.4	50
18	Characterization of collagen synthesized by normal and chemically transformed rat liver epithelial cell lines. Biochemistry, 1980, 19, 1820-1825.	2.5	45

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19	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.	0.9	42
20	Regulatory Factor for X-box Family Proteins Differentially Interact with Histone Deacetylases to Repress Collagen $\alpha 2(I)$ Gene (COL1A2) Expression. <i>Journal of Biological Chemistry</i> , 2006, 281, 9260-9270.	3.4	40
21	Binding of Lysyl Oxidase to Fibrils of Type I Collagen. <i>Connective Tissue Research</i> , 1985, 14, 109-119.	2.3	37
22	A Methylation-responsive MDBP/RFX Site Is in the First Exon of the Collagen $\alpha 2(I)$ Promoter. <i>Journal of Biological Chemistry</i> , 1999, 274, 36649-36655.	3.4	37
23	The Accumulation of Type I Collagen Mnas in Human Embryonic Lung Fibroblasts Stimulated by Transforming Growth Factor- $\beta 2$ . <i>Connective Tissue Research</i> , 1990, 24, 237-247.	2.3	36
24	Interferon $\beta 3$ Repression of Collagen (COL1A2) Transcription Is Mediated by the RFX5 Complex. <i>Journal of Biological Chemistry</i> , 2003, 278, 49134-49144.	3.4	36
25	Regulating the Activity of Class II Transactivator by Posttranslational Modifications: Exploring the Possibilities. <i>Molecular and Cellular Biology</i> , 2009, 29, 5639-5644.	2.3	32
26	CIITA Mediates Interferon- $\beta 3$ Repression of Collagen Transcription through Phosphorylation-dependent Interactions with Co-repressor Molecules. <i>Journal of Biological Chemistry</i> , 2008, 283, 1243-1256.	3.4	29
27	Expression of type I collagen mRNA in glomeruli of rats with passive Heymann nephritis. <i>Kidney International</i> , 1993, 43, 121-127.	5.2	26
28	Collagen synthesis by cultures of stromal cells from normal human and keratoconus corneas. <i>Biochemical and Biophysical Research Communications</i> , 1979, 86, 465-472.	2.1	24
29	Fibronectin and collagen of cultured skin fibroblasts in diabetes mellitus. <i>Biochemical and Biophysical Research Communications</i> , 1981, 100, 275-282.	2.1	23
30	Methylation in the initiation region of the first exon suppresses collagen pro- $\alpha 2(I)$ gene transcription. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1443, 75-89.	2.4	22
31	Role of the pro- $\alpha 2(I)$ COOH-terminal region in assembly of type I collagen: Truncation of the last 10 amino acid residues of pro- $\alpha 2(I)$ chain prevents assembly of type I collagen heterotrimer. <i>Journal of Cellular Biochemistry</i> , 1998, 71, 216-232.	2.6	22
32	Peroxisome Proliferator-activated Receptor $\beta 3$ Interacts with CIITA-RFX5 Complex to Repress Type I Collagen Gene Expression. <i>Journal of Biological Chemistry</i> , 2007, 282, 26046-26056.	3.4	21
33	Role of the pro- $\alpha 2(I)$ COOH-terminal region in assembly of type I collagen: Disruption of two intramolecular disulfide bonds in pro- $\alpha 2(I)$ blocks assembly of type I collagen. <i>Journal of Cellular Biochemistry</i> , 1998, 71, 233-242.	2.6	20
34	Identification of collagens synthesized by cultures of normal human corneal and keratoconus stromal cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1983, 755, 318-325.	2.4	17
35	Discordant refutation of human type I collagen genes by prostaglandin E2. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992, 1135, 67-72.	4.1	17
36	Major Histocompatibility Class II Transactivator Expression in Smooth Muscle Cells from A2b Adenosine Receptor Knock-out Mice. <i>Journal of Biological Chemistry</i> , 2008, 283, 14213-14220.	3.4	17

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37	Discordant regulation of transforming growth factor- $\beta$ receptors by prostaglandin E2. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995, 1261, 19-24.	2.4	14
38	Collagen and major histocompatibility class II expression in mesenchymal cells from CIITA hypomorphic mice. <i>Molecular Immunology</i> , 2007, 44, 1709-1721.	2.2	12
39	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.	2.9	12
40	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.	3.6	11
41	Transgenic mice with a mutated collagen promoter display normal response during bleomycin-induced fibrosis and possess neurological abnormalities. , 2000, 77, 135-148.		10
42	A member of the Y-box protein family interacts with an upstream element in the $\alpha$ 1(I) collagen gene. <i>Matrix Biology</i> , 2001, 20, 527-541.	3.6	9
43	Cell-specific expression of the $\alpha$ 1(I) collagen promoter-CAT transgene in skin and lung: A response to TGF- $\beta$ subcutaneous injection and bleomycin endotracheal instillation. <i>Journal of Cellular Biochemistry</i> , 1996, 63, 135-148.	2.6	8
44	Collagen synthesis in normal BHK cells and temperature-sensitive chemically transformed BHK cells. <i>In Vitro</i> , 1979, 15, 455-462.	1.2	7
45	Mechanisms for Noncoordinate Expression of Type 1 Collagen Alpha Chains. <i>Annals of the New York Academy of Sciences</i> , 1990, 580, 459-461.	3.8	6
46	Aortic Carboxypeptidase-Like Protein Enhances Lung Myofibroblast Differentiation. <i>FASEB Journal</i> , 2013, 27, 132.11.	0.5	0