

# Amy D Bradshaw

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

4,789  
citations

109321

35  
h-index

138484

58  
g-index

71  
all docs

71  
docs citations

71  
times ranked

6137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotypic characterization of primary cardiac fibroblasts from patients with HFpEF. PLoS ONE, 2022, 17, e0262479.	2.5	1
2	Organized Chaos: Deciphering Immune Cell Heterogeneity's Role in Inflammation in the Heart. Biomolecules, 2022, 12, 11.	4.0	11
3	The Extracellular Matrix. , 2022, , .		0
4	Mechanics & Matrix: Positive Feedback Loops between Fibroblasts and ECM Drive Interstitial Cardiac Fibrosis. Current Opinion in Physiology, 2022, , 100560.	1.8	2
5	Mechanisms that limit regression of myocardial fibrosis following removal of left ventricular pressure overload. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H165-H175.	3.2	5
6	Lysyl oxidase directly contributes to extracellular matrix production and fibrosis in systemic sclerosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L29-L40.	2.9	33
7	Molecular, Gene, and Cellular Mechanism. , 2021, , 1-10.		0
8	SPARC production by bone marrow-derived cells contributes to myocardial fibrosis in pressure overload. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H604-H612.	3.2	15
9	Cross your heart? Collagen cross-links in cardiac health and disease. Cellular Signalling, 2021, 79, 109889.	3.6	30
10	The Influence of the Extracellular Matrix in Inflammation: Findings from the SPARC <sup>Δ</sup> Null Mouse. Anatomical Record, 2020, 303, 1624-1629.	1.4	25
11	Inhibition of transglutaminase activity in periodontitis rescues periodontal ligament collagen content and architecture. Journal of Periodontal Research, 2020, 55, 107-115.	2.7	7
12	Selective serotonin reuptake inhibitors (SSRI) affect murine bone lineage cells. Life Sciences, 2020, 255, 117827.	4.3	4
13	Pressure overload generates a cardiac-specific profile of inflammatory mediators. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H331-H340.	3.2	13
14	Regulation of cell behavior by extracellular proteins. , 2020, , 205-215.		2
15	Focusing Heart Failure Research on Myocardial Fibrosis to Prioritize Translation. Journal of Cardiac Failure, 2020, 26, 876-884.	1.7	4
16	T-cell regulation of fibroblasts and cardiac fibrosis. Matrix Biology, 2020, 91-92, 167-175.	3.6	26
17	It's a SMAD, SMAD World. JACC Basic To Translational Science, 2019, 4, 54-55.	4.1	1
18	Changes in the crystallographic structures of cardiac myosin filaments detected by polarization-dependent second harmonic generation microscopy. Biomedical Optics Express, 2019, 10, 3183.	2.9	8

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19	Cardiac macrophages promote diastolic dysfunction. <i>Journal of Experimental Medicine</i> , 2018, 215, 423-440.	8.5	314
20	Production and purification of recombinant human SPARC. <i>Methods in Cell Biology</i> , 2018, 143, 335-345.	1.1	3
21	2027 The role of lysyl oxidase in systemic sclerosis-associated lung fibrosis. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 32-33.	0.6	0
22	Iron overload: whatâ€™s TIMP-3 got to do with it. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H1259-H1261.	3.2	0
23	Increased macrophage-derived SPARC precedes collagen deposition in myocardial fibrosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H92-H100.	3.2	43
24	Increased ADAMTS1 mediates SPARC-dependent collagen deposition in the aging myocardium. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E1027-E1035.	3.5	40
25	Pleiotropic roles of the matricellular protein Sparc in tendon maturation and ageing. <i>Scientific Reports</i> , 2016, 6, 32635.	3.3	42
26	The role of secreted protein acidic and rich in cysteine (SPARC) in cardiac repair and fibrosis: Does expression of SPARC by macrophages influence outcomes?. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 93, 156-161.	1.9	44
27	SPARC/osteonectin in mineralized tissue. <i>Matrix Biology</i> , 2016, 52-54, 78-87.	3.6	217
28	Decreased Mechanical Strength and Collagen Content in SPARC-Null Periodontal Ligament Is Reversed by Inhibition of Transglutaminase Activity. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1914-1924.	2.8	16
29	Dasatinib Attenuates Pressure Overload Induced Cardiac Fibrosis in a Murine Transverse Aortic Constriction Model. <i>PLoS ONE</i> , 2015, 10, e0140273.	2.5	29
30	Myocardial Stiffness in Patients With Heart Failure and a Preserved Ejection Fraction. <i>Circulation</i> , 2015, 131, 1247-1259.	1.6	509
31	Lumican deficiency results in cardiomyocyte hypertrophy with altered collagen assembly. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 84, 70-80.	1.9	34
32	Secreted protein acidic and rich in cysteine facilitates age-related cardiac inflammation and macrophage M1 polarization. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C972-C982.	4.6	46
33	pGlcNAc Nanofiber Treatment of Cutaneous Wounds Stimulate Increased Tensile Strength and Reduced Scarring via Activation of Akt1. <i>PLoS ONE</i> , 2015, 10, e0127876.	2.5	9
34	Age and SPARC Change the Extracellular Matrix Composition of the Left Ventricle. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	39
35	Regulation of Cell Behavior by Extracellular Proteins. , 2014, , 279-290.		5
36	Myocardial fibroblastâ€™matrix interactions and potential therapeutic targets. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 70, 92-99.	1.9	76

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37	Age and SPARC dependent cardiac collagen changes (1120.7). FASEB Journal, 2014, 28, 1120.7.	0.5	0
38	Cellular Mechanisms of Tissue Fibrosis. 2. Contributory pathways leading to myocardial fibrosis: moving beyond collagen expression. American Journal of Physiology - Cell Physiology, 2013, 304, C393-C402.	4.6	88
39	The Effects of Age and the Expression of SPARC on Extracellular Matrix Production by Cardiac Fibroblasts in 3-D Cultures. PLoS ONE, 2013, 8, e79715.	2.5	10
40	Time course of right ventricular pressure-overload induced myocardial fibrosis: relationship to changes in fibroblast postsynthetic procollagen processing. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1128-H1134.	3.2	35
41	Effects of the absence of procollagen C-endopeptidase enhancer-2 on myocardial collagen accumulation in chronic pressure overload. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H234-H240.	3.2	46
42	Diverse biological functions of the SPARC family of proteins. International Journal of Biochemistry and Cell Biology, 2012, 44, 480-488.	2.8	203
43	Losartan Slows Pancreatic Tumor Progression and Extends Survival of SPARC-Null Mice by Abrogating Aberrant TGF $\beta$ 2 Activation. PLoS ONE, 2012, 7, e31384.	2.5	69
44	$\beta$ 23 Integrin in Cardiac Fibroblast Is Critical for Extracellular Matrix Accumulation during Pressure Overload Hypertrophy in Mouse. PLoS ONE, 2012, 7, e45076.	2.5	50
45	The Function of SPARC as a Mediator of Fibrosis. Open Rheumatology Journal, 2012, 6, 146-155.	0.2	71
46	$\beta$ 23 integrin/PDGF receptor synergistic signaling mediates cardiac fibrosis in a mouse model of pressure overload hypertrophy. FASEB Journal, 2012, 26, .	0.5	0
47	The regulatory function of SPARC in vascular biology. Cellular and Molecular Life Sciences, 2011, 68, 3165-3173.	5.4	81
48	Inactivation of SPARC enhances high-fat diet-induced obesity in mice. Connective Tissue Research, 2011, 52, 99-108.	2.3	34
49	SPARC mediates early extracellular matrix remodeling following myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H497-H505.	3.2	66
50	SPARC regulates collagen interaction with cardiac fibroblast cell surfaces. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H841-H847.	3.2	66
51	SPARC/Osteonectin Functions to Maintain Homeostasis of the Collagenous Extracellular Matrix in the Periodontal Ligament. Journal of Histochemistry and Cytochemistry, 2010, 58, 871-879.	2.5	40
52	Age-dependent alterations in fibrillar collagen content and myocardial diastolic function: role of SPARC in post-synthetic procollagen processing. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H614-H622.	3.2	110
53	Lack of host SPARC enhances vascular function and tumor spread in an orthotopic murine model of pancreatic carcinoma. DMM Disease Models and Mechanisms, 2010, 3, 57-72.	2.4	101
54	Expression in SPARC-null mice of collagen type I lacking the globular domain of the $\beta$ 1(I) N-propeptide results in abdominal hernias and loss of dermal collagen. Matrix Biology, 2010, 29, 559-564.	3.6	7

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55	Cardiac extracellular matrix remodeling: Fibrillar collagens and Secreted Protein Acidic and Rich in Cysteine (SPARC). <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 544-549.	1.9	93
56	Pressure Overload-Induced Alterations in Fibrillar Collagen Content and Myocardial Diastolic Function. <i>Circulation</i> , 2009, 119, 269-280.	1.6	127
57	The role of SPARC in extracellular matrix assembly. <i>Journal of Cell Communication and Signaling</i> , 2009, 3, 239-246.	3.4	204
58	Quantification of Protein Expression Changes in the Aging Left Ventricle of <i>Rattus norvegicus</i> . <i>Journal of Proteome Research</i> , 2009, 8, 4252-4263.	3.7	58
59	SPARC Mediates Early Extracellular Matrix Remodeling Following Myocardial Infarction. <i>FASEB Journal</i> , 2009, 23, 793.2.	0.5	0
60	SPARC Regulates Processing of Procollagen I and Collagen Fibrillogenesis in Dermal Fibroblasts. <i>Journal of Biological Chemistry</i> , 2007, 282, 22062-22071.	3.4	144
61	Expression and Characterization of Murine Hevin (SC1), a Member of the SPARC Family of Matricellular Proteins. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 735-748.	2.5	55
62	SPARC-Null Mice Display Abnormalities in the Dermis Characterized by Decreased Collagen Fibril Diameter and Reduced Tensile Strength. <i>Journal of Investigative Dermatology</i> , 2003, 120, 949-955.	0.7	200
63	Compromised Production of Extracellular Matrix in Mice Lacking Secreted Protein, Acidic and Rich in Cysteine (SPARC) Leads to a Reduced Foreign Body Reaction to Implanted Biomaterials. <i>American Journal of Pathology</i> , 2003, 162, 627-635.	3.8	63
64	Osteonectin-Null Mutation Compromises Osteoblast Formation, Maturation, and Survival. <i>Endocrinology</i> , 2003, 144, 2588-2596.	2.8	146
65	SPARC-null Mice Exhibit Accelerated Cutaneous Wound Closure. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 1-10.	2.5	153
66	Increased fibrovascular invasion of subcutaneous polyvinyl alcohol sponges in SPARC-null mice. <i>Wound Repair and Regeneration</i> , 2001, 9, 522-530.	3.0	56
67	SPARC, a matricellular protein that functions in cellular differentiation and tissue response to injury. <i>Journal of Clinical Investigation</i> , 2001, 107, 1049-1054.	8.2	560
68	Expression and Purification of Recombinant Human SPARC Produced by Baculovirus. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 2000, 3, 345-351.	1.6	34
69	SPARC Regulates the Expression of Collagen Type I and Transforming Growth Factor- $\beta$ 1 in Mesangial Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 32145-32152.	3.4	166
70	And The Band Played On: Persistent Fibrosis After Unbanding Reveals Sex-Dependent Differences in Rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 0, , .	3.2	0