

# Stephanie L Sellers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4090321/publications.pdf>

Version: 2024-02-01

83  
papers

1,455  
citations

304368

22  
h-index

377514

34  
g-index

83  
all docs

83  
docs citations

83  
times ranked

2171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and Prediction of Bioprosthetic Aortic Valve Degeneration. Journal of the American College of Cardiology, 2019, 73, 1107-1119.	1.2	110
2	Transcatheter Aortic Heart Valves. JACC: Cardiovascular Imaging, 2019, 12, 135-145.	2.3	89
3	CD4 <sup>+</sup> T cells support cytotoxic T lymphocyte priming by controlling lymph node input. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8749-8754.	3.3	80
4	Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography. JACC: Cardiovascular Imaging, 2018, 11, 1461-1471.	2.3	64
5	Direct Endothelial Nitric Oxide Synthase Activation Provides Atheroprotection in Diabetes-Accelerated Atherosclerosis. Diabetes, 2015, 64, 3937-3950.	0.3	60
6	Fractional flow reserve derived from coronary computed tomography angiography reclassification rate using value distal to lesion compared to lowest value. Journal of Cardiovascular Computed Tomography, 2017, 11, 462-467.	0.7	55
7	Inhibition of Marfan Syndrome Aortic Root Dilation by Losartan. American Journal of Pathology, 2018, 188, 574-585.	1.9	50
8	Overexpansion of the SAPIEN 3 Transcatheter Heart Valve. JACC: Cardiovascular Interventions, 2018, 11, 1696-1705.	1.1	48
9	Prognostic value of coronary computed tomography angiographic derived fractional flow reserve: a systematic review and meta-analysis. Heart, 2022, 108, 194-202.	1.2	45
10	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2021, 14, 233-242.	2.3	44
11	Increased plasma lipid levels exacerbate muscle pathology in the mdx mouse model of Duchenne muscular dystrophy. Skeletal Muscle, 2017, 7, 19.	1.9	42
12	CT-Defined Prosthesis-Patient Mismatch Downgrades Frequency and Severity, and Demonstrates No Association With Adverse Outcomes After Transcatheter Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2017, 10, 1578-1587.	1.1	40
13	Balloon-Expandable Valve for Treatment of Evolut Valve Failure. JACC: Cardiovascular Interventions, 2022, 15, 368-377.	1.1	37
14	Molecular Coronary Plaque Imaging Using <sup>18</sup> F-Fluoride. Circulation: Cardiovascular Imaging, 2019, 12, e008574.	1.3	36
15	Valve-in-Valve Transcatheter Aortic Valve Replacement and Bioprosthetic Valve Fracture Comparing Different Transcatheter Heart Valve Designs. JACC: Cardiovascular Interventions, 2019, 12, 65-75.	1.1	35
16	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. Circulation, 2021, 144, 1396-1408.	1.6	32
17	Coronary lumen volume to myocardial mass ratio in primary microvascular angina. Journal of Cardiovascular Computed Tomography, 2017, 11, 423-428.	0.7	31
18	Long-Term Durability of Transcatheter Heart Valves. JACC: Cardiovascular Interventions, 2020, 13, 235-249.	1.1	26

#	ARTICLE	IF	CITATIONS
19	Mixed Valvular Disease Following Transcatheter Aortic Valve Replacement: Quantification and Systematic Differentiation Using Clinical Measurements and Image-Based Patient-Specific In Silico Modeling. <i>Journal of the American Heart Association</i> , 2020, 9, e015063.	1.6	26
20	Increased nonHDL cholesterol levels cause muscle wasting and ambulatory dysfunction in the mouse model of LGMD2B. <i>Journal of Lipid Research</i> , 2018, 59, 261-272.	2.0	24
21	Leaflet and Neoskirt Height in Transcatheter Heart Valves. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 2298-2300.	1.1	24
22	Impact of implant depth on hydrodynamic function with the ACURATE neo transcatheter heart valve following valve-in-valve transcatheter aortic valve replacement in Mitroflow bioprosthetic valves: an ex vivo bench study. <i>EuroIntervention</i> , 2019, 15, 78-87.	1.4	24
23	Bypass Grafting and Native Coronary Artery Disease Activity. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 875-887.	2.3	24
24	Annular versus supra-annular sizing for transcatheter aortic valve replacement in bicuspid aortic valve disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 407-413.	0.7	20
25	Recombinant Decorin Fusion Protein Attenuates Murine Abdominal Aortic Aneurysm Formation and Rupture. <i>Scientific Reports</i> , 2017, 7, 15857.	1.6	19
26	Neosinus and Sinus Flow After Self-Expanding and Balloon-Expandable Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 2657-2666.	1.1	18
27	Caveolin as a potential drug target for cardiovascular protection. <i>Frontiers in Physiology</i> , 2012, 3, 280.	1.3	17
28	Impact of Non-obstructive left main disease on the progression of coronary artery disease: A PARADIGM substudy. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 231-237.	0.7	17
29	Hypertrophic Cardiomyopathy (HCM): New insights into Coronary artery remodelling and ischemia from FFRCT. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 467-471.	0.7	17
30	Late Balloon Valvuloplasty for Transcatheter Heart Valve Dysfunction. <i>Journal of the American College of Cardiology</i> , 2022, 79, 1340-1351.	1.2	17
31	Ex vivo 18F-fluoride uptake and hydroxyapatite deposition in human coronary atherosclerosis. <i>Scientific Reports</i> , 2020, 10, 20172.	1.6	15
32	Impact of sublingual nitroglycerin dosage on FFRCT assessment and coronary luminal volume-to-myocardial mass ratio. <i>European Radiology</i> , 2019, 29, 6829-6836.	2.3	14
33	Inonotus obliquus attenuates histamine-induced microvascular inflammation. <i>PLoS ONE</i> , 2019, 14, e0220776.	1.1	12
34	18F-GP1 Positron Emission Tomography and Bioprosthetic Aortic Valve Thrombus. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1107-1120.	2.3	12
35	Prevalence and impact of scan-related anxiety during coronary CT angiography: A prospective cohort study of 366 patients. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 364-371.	0.7	11
36	Role of MDCT Imaging in Planning Mitral Valve Intervention. <i>Current Cardiology Reports</i> , 2018, 20, 16.	1.3	10

#	ARTICLE	IF	CITATIONS
37	Angiotensin II receptor blocker losartan exacerbates muscle damage and exhibits weak blood pressure-lowering activity in a dysferlin-null model of Limb-Girdle muscular dystrophy type 2B. PLoS ONE, 2019, 14, e0220903.	1.1	10
38	Subclinical Leaflet Thrombosis Post Transcatheter Aortic Valve Replacement – An Update for 2020. Structural Heart, 2020, 4, 369-381.	0.2	10
39	Cardiac computed tomography-derived coronary artery volume to myocardial mass. Journal of Cardiovascular Computed Tomography, 2022, 16, 198-206.	0.7	10
40	Intravital Microscopy of the Inguinal Lymph Node. Journal of Visualized Experiments, 2011, , .	0.2	9
41	Overexpansion of older generation balloon expandable transcatheter heart valves: An ex vivo bench study. Catheterization and Cardiovascular Interventions, 2019, 94, 806-811.	0.7	9
42	Transcatheter Aortic and Mitral Valve Replacements. Radiologic Clinics of North America, 2019, 57, 165-178.	0.9	9
43	Performance of the TRUE dilatation balloon valvuloplasty catheter beyond rated burst pressure: A bench study. Catheterization and Cardiovascular Interventions, 2020, 96, E187-E195.	0.7	9
44	Nitric Oxide and TNF $\alpha$ Are Critical Regulators of Reversible Lymph Node Vascular Remodeling and Adaptive Immune Response. PLoS ONE, 2013, 8, e60741.	1.1	9
45	Biodegradable Poly- $\mu$ -Caprolactone Scaffolds with ECFCs and iMSCs for Tissue-Engineered Heart Valves. International Journal of Molecular Sciences, 2022, 23, 527.	1.8	9
46	Cardiac Fibroma in an Adult AIRP Best Cases in Radiologic-Pathologic Correlation. Radiographics, 2018, 38, 1022-2026.	1.4	8
47	Bioprosthetic Heart Valve Degeneration and Dysfunction: Focus on Mechanisms and Multidisciplinary Imaging Considerations. Radiology: Cardiothoracic Imaging, 2019, 1, e190004.	0.9	8
48	Prognosis of CT-derived Fractional Flow Reserve in the Prediction of Clinical Outcomes. Radiology: Cardiothoracic Imaging, 2019, 1, e190021.	0.9	8
49	Effects of chronic kidney disease and declining renal function on coronary atherosclerotic plaque progression: a PARADIGM substudy. European Heart Journal Cardiovascular Imaging, 2021, 22, 1072-1082.	0.5	8
50	Computed tomography-based oversizing and incidence of paravalvular aortic regurgitation and permanent pacemaker implantation with a new-generation self-expanding transcatheter heart valve. EuroIntervention, 2018, 14, e511-e518.	1.4	8
51	Effect of a calcium deblooming algorithm on accuracy of coronary computed tomography angiography. Journal of Cardiovascular Computed Tomography, 2020, 14, 131-136.	0.7	7
52	Bioprosthetic Valve Leaflet Displacement During Valve-in-Valve Intervention. JACC: Cardiovascular Interventions, 2020, 13, 667-678.	1.1	7
53	Imaging for structural heart procedures: focus on computed tomography. EuroIntervention, 2017, 13, AA85-AA96.	1.4	7
54	Platelets. JACC Basic To Translational Science, 2021, 6, 1007-1020.	1.9	7

#	ARTICLE	IF	CITATIONS
55	<sup>18</sup> F-NaF PET/MRI for Detection of Carotid Atheroma in Acute Neurovascular Syndrome. <i>Radiology</i> , 2022, 305, 137-148.	3.6	7
56	Aspirin and Statin Therapy for Nonobstructive Coronary Artery Disease: Five-year Outcomes from the CONFIRM Registry. <i>Radiology: Cardiothoracic Imaging</i> , 2022, 4, e210225.	0.9	6
57	Tissue Engineered Transcatheter Pulmonary Valved Stent Implantation: Current State and Future Prospect. <i>International Journal of Molecular Sciences</i> , 2022, 23, 723.	1.8	5
58	The Morphology of Coronary Artery Disease in South Asians vs White Caucasians and Its Implications. <i>Canadian Journal of Cardiology</i> , 2022, 38, 1570-1579.	0.8	5
59	Impact of Over-Expansion on SAPIEN 3 Transcatheter Heart Valve Pericardial Leaflets. <i>Structural Heart</i> , 2020, 4, 214-220.	0.2	4
60	Bioprosthetic Valve Fracture to Facilitate Valve-in-Valve Transcatheter Aortic Valve Replacement. <i>Structural Heart</i> , 2021, 5, 24-38.	0.2	4
61	Anatomic Considerations for Injection of the Lateral Atlanto-Axial Joint. <i>Pain Medicine</i> , 2019, 20, 2115-2119.	0.9	3
62	Transcatheter solutions for transcatheter aortic valve replacement dysfunction: is redo transcatheter aortic valve replacement a durable option?. <i>Annals of Cardiothoracic Surgery</i> , 2021, 10, 571-584.	0.6	3
63	Reference dimensions of stented surgical aortic bioprostheses for valve size determination. <i>EuroIntervention</i> , 2020, 16, e502-e506.	1.4	3
64	Microcalcification and Thoracic Aortopathy: A Window Into Disease Severity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 1048-1059.	1.1	3
65	TAVR for All? The Surgical Perspective. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 223.	0.8	3
66	Bioprosthetic Valve Dysfunction: A Complex Biological Process. <i>Structural Heart</i> , 2019, 3, 110-112.	0.2	2
67	Sex differences in cardiovascular medicine: Bilateral internal mammary artery CABG. <i>International Journal of Cardiology</i> , 2019, 288, 53-54.	0.8	2
68	Novel method for assessing myocardium at risk: a new arrow in the diagnostic quiver of coronary CT. <i>Heart</i> , 2020, 106, 1458-1460.	1.2	2
69	Sex differences in the aortic root size: Implications for TAVR. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 97-98.	0.7	1
70	Indexed Aortic Area in Bicuspid Valve Disease. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, e006593.	1.3	1
71	Valve-in-Valve Transcatheter Aortic Valve Replacement in Intermediate-risk Patients. <i>Structural Heart</i> , 2019, 3, 324-328.	0.2	1
72	Evaluation of an Explanted Tiara Transcatheter Mitral Valve. <i>JACC: Case Reports</i> , 2020, 2, 528-532.	0.3	1

#	ARTICLE	IF	CITATIONS
73	Impact of sex on microvascular reactivity in a murine model of diet-induced obesity and insulin resistance. <i>Heliyon</i> , 2021, 7, e06217.	1.4	1
74	Comparison of coronary atherosclerotic plaque progression in East Asians and Caucasians by serial coronary computed tomographic angiography: A PARADIGM substudy. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 222-229.	0.7	1
75	Developing a Deeper Understanding of Sex Differences in the Diagnostic Performance of Computed Tomographic Perfusion Imaging Toward a More Personalized Approach. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	0
76	Modified Intravital Microscopy to Assess Vascular Health and T-Cell Motility. <i>Methods in Molecular Biology</i> , 2019, 1930, 139-147.	0.4	0
77	The Authors Reply:. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 567-569.	2.3	0
78	Reply to letter to the editor regarding "Prevalence and impact of scan-related anxiety during Coronary CT angiography: A prospective cohort study of 366 patients". <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, e3.	0.7	0
79	Hypertrophic cardiomyopathy masquerading as sarcoidosis: cases illustrating cardiac imaging overlap relative to pathology. <i>Cardiovascular Pathology</i> , 2020, 49, 107234.	0.7	0
80	Tricuspid Valve-in-Valve and Bioprosthetic Surgical Tricuspid and Pulmonic Valve Degeneration. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2680-2682.	2.3	0
81	Aortic Stenosis. <i>JACC Basic To Translational Science</i> , 2021, 6, 40-41.	1.9	0
82	Impact of Bioprosthetic Valve Fracture on Potential Embolic Debris Generation. <i>JACC: Cardiovascular Interventions</i> , 2022, , .	1.1	0
83	Redo Transcatheter Aortic Valve Implantation with the ALLEGRA Transcatheter Heart Valve: Insights from Bench Testing. <i>Cardiovascular Engineering and Technology</i> , 2022, , 1.	0.7	0