

# Francis J Alenghat

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

3,540  
citations

516710

16  
h-index

414414

32  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycystins 1 and 2 mediate mechanosensation in the primary cilium of kidney cells. <i>Nature Genetics</i> , 2003, 33, 129-137.	21.4	1,822
2	Mechanotransduction: All Signals Point to Cytoskeleton, Matrix, and Integrins. <i>Science Signaling</i> , 2002, 2002, pe6-pe6.	3.6	348
3	Mechanical control of cyclic AMP signalling and gene transcription through integrins. <i>Nature Cell Biology</i> , 2000, 2, 666-668.	10.3	238
4	Analysis of Cell Mechanics in Single Vinculin-Deficient Cells Using a Magnetic Tweezer. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 93-99.	2.1	194
5	Loss of Polycystin-1 in Human Cyst-Lining Epithelia Leads to Ciliary Dysfunction. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 1015-1025.	6.1	169
6	Mechanical properties of individual focal adhesions probed with a magnetic microneedle. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 758-764.	2.1	128
7	Global cytoskeletal control of mechanotransduction in kidney epithelial cells. <i>Experimental Cell Research</i> , 2004, 301, 23-30.	2.6	110
8	<i>RIPK1</i> Expression Associates With Inflammation in Early Atherosclerosis in Humans and Can Be Therapeutically Silenced to Reduce NF- $\kappa$ B Activation and Atherogenesis in Mice. <i>Circulation</i> , 2021, 143, 163-177.	1.6	102
9	Membrane Protein Dynamics and Functional Implications in Mammalian Cells. <i>Current Topics in Membranes</i> , 2013, 72, 89-120.	0.9	53
10	Mechanical control of cAMP signaling through integrins is mediated by the heterotrimeric G $\alpha$ s protein. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 529-538.	2.6	49
11	Monocyte-Targeting Supramolecular Micellar Assemblies: A Molecular Diagnostic Tool for Atherosclerosis. <i>Advanced Healthcare Materials</i> , 2015, 4, 367-376.	7.6	46
12	Macrophages require Skap2 and Sirp $\beta$ for integrin-stimulated cytoskeletal rearrangement. <i>Journal of Cell Science</i> , 2012, 125, 5535-45.	2.0	45
13	The Prevalence of Atherosclerosis in Those with Inflammatory Connective Tissue Disease by Race, Age and Traditional Risk Factors. <i>Scientific Reports</i> , 2016, 6, 20303.	3.3	38
14	Management of Blood Cholesterol. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 800.	7.4	35
15	Protein Mimetic and Anticancer Properties of Monocyte-Targeting Peptide Amphiphile Micelles. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3273-3282.	5.2	24
16	High sensitivity Troponin-T for prediction of adverse events in patients with COVID-19. <i>Biomarkers</i> , 2020, 25, 626-633.	1.9	21
17	Monocyte and macrophage subtypes as paired cell biomarkers for coronary artery disease. <i>Experimental Physiology</i> , 2019, 104, 1343-1352.	2.0	15
18	Rapid Exclusion of COVID Infection With the Artificial Intelligence Electrocardiogram. <i>Mayo Clinic Proceedings</i> , 2021, 96, 2081-2094.	3.0	15

#	ARTICLE	IF	CITATIONS
19	Donor-derived cell-free DNA is associated with cardiac allograft vasculopathy. Clinical Transplantation, 2021, 35, e14206.	1.6	14
20	Aortic pulsatility index predicts clinical outcomes in heart failure: a sub-analysis of the ESCAPE trial. ESC Heart Failure, 2021, 8, 1522-1530.	3.1	12
21	Catheter Ablation for Atrial Fibrillation in 2019. JAMA - Journal of the American Medical Association, 2019, 322, 686.	7.4	9
22	A data-zone scoring system to assess the generalizability of clinical trial results to individual patients. European Journal of Preventive Cardiology, 2019, 26, 569-575.	1.8	9
23	Association of Atherosclerosis Prevalence With Age, Race, and Traditional Risk Factors in Patients With Psoriasis. JAMA Dermatology, 2019, 155, 622.	4.1	7
24	The impact of lipid-lowering medications on coronary artery plaque characteristics. American Journal of Preventive Cardiology, 2021, 8, 100294.	3.0	7
25	Magnetic Cellular Switches. IEEE Transactions on Magnetics, 2004, 40, 2958-2960.	2.1	5
26	Giant left ventricular aneurysm as a late complication of inferior myocardial infarction. European Heart Journal, 2013, 34, 344-344.	2.2	4
27	A composite metric for predicting benefit from spironolactone in heart failure with preserved ejection fraction. ESC Heart Failure, 2021, 8, 3495-3503.	3.1	3
28	ATTR Cardiomyopathy Meets Multiple Myeloma. JACC: CardioOncology, 2021, 3, 598-601.	4.0	2
29	Circulating Monocyte Subtypes Correlate with Cardiac Allograft Vasculopathy and Differ from Atherosclerotic Disease: A Tool for Monitoring?. Journal of Heart and Lung Transplantation, 2018, 37, S174-S175.	0.6	1
30	Comparison of semi-automated versus manual quantitative right ventricular assessment in tetralogy of Fallot. Cardiology in the Young, 2021, 31, 1781-1787.	0.8	1
31	Abstract 001: Skap2 Regulates Atherosclerosis through Macrophage Polarization and Efferocytosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	1
32	Cardiovascular Disease: Monocyte-Targeting Supramolecular Micellar Assemblies: A Molecular Diagnostic Tool for Atherosclerosis (Adv. Healthcare Mater. 3/2015). Advanced Healthcare Materials, 2015, 4, 324-324.	7.6	0
33	4140A map of SPRINT's data free zone. European Heart Journal, 2017, 38, .	2.2	0
34	The SPRINT Trial Score web calculator. European Journal of Preventive Cardiology, 2019, 26, 2016-2016.	1.8	0
35	What is the Role of Angiogenesis Markers in Cardiac Allograft Vasculopathy Following Heart Transplantation?. Journal of Heart and Lung Transplantation, 2019, 38, S282-S283.	0.6	0
36	Cystic lining epithelial cells from ADPKD kidneys have a mechanosensory dysfunction. FASEB Journal, 2006, 20, A339.	0.5	0