

Edward G Cape

List of Publications by Year in descending order

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30
papers

1,657
citations

471509

17
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of hydrodynamic principles for the cardiologist: Applications to the study of blood flow and jets by imaging techniques. <i>Journal of the American College of Cardiology</i> , 1988, 12, 1344-1353.	2.8	289
2	Papillary Muscle Displacement Causes Systolic Anterior Motion of the Mitral Valve. <i>Circulation</i> , 1995, 91, 1189-1195.	1.6	199
3	Pressure recovery distal to a stenosis: Potential cause of gradient "overestimation" by Doppler echocardiography. <i>Journal of the American College of Cardiology</i> , 1989, 13, 706-715.	2.8	149
4	Adjacent solid boundaries alter the size of regurgitant jets on Doppler color flow maps. <i>Journal of the American College of Cardiology</i> , 1991, 17, 1094-1102.	2.8	146
5	Fluid dynamic comparison of intra-atrial and extracardiac total cavopulmonary connections. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1999, 117, 697-704.	0.8	135
6	Potential Role of Mechanical Stress in the Etiology of Pediatric Heart Disease: Septal Shear Stress in Subaortic Stenosis. <i>Journal of the American College of Cardiology</i> , 1997, 30, 247-254.	2.8	122
7	Effect of three-dimensional valve shape on the hemodynamics of aortic stenosis. <i>Journal of the American College of Cardiology</i> , 2002, 40, 1479-1486.	2.8	113
8	Chordal geometry determines the shape and extent of systolic anterior mitral motion: In vitro studies. <i>Journal of the American College of Cardiology</i> , 1989, 13, 1438-1448.	2.8	80
9	Abnormalities of the Left Ventricular Outflow Tract Associated With Discrete Subaortic Stenosis in Children: An Echocardiographic Study. <i>Journal of the American College of Cardiology</i> , 1997, 30, 255-259.	2.8	63
10	A new theoretical model for noninvasive quantification of mitral regurgitation. <i>Journal of Biomechanics</i> , 1990, 23, 27-33.	2.1	40
11	Turbulent/Viscous Interactions Control Doppler/Catheter Pressure Discrepancies in Aortic Stenosis. <i>Circulation</i> , 1996, 94, 2975-2981.	1.6	39
12	Increased heart rate can cause underestimation of regurgitant jet size by Doppler color flow mapping. <i>Journal of the American College of Cardiology</i> , 1993, 21, 1029-1037.	2.8	38
13	Insights From Three-dimensional Echocardiographic Laser Stereolithography. <i>Circulation</i> , 1996, 94, 452-459.	1.6	35
14	Three-dimensional surface geometry correction is required for calculating flow by the proximal isovelocity surface area technique. <i>Journal of the American Society of Echocardiography</i> , 1995, 8, 585-594.	2.8	29
15	In Vitro Doppler Assessment of Pressure Gradients Across Modified Blalock-Taussig Shunts. <i>American Journal of Cardiology</i> , 1998, 81, 1219-1223.	1.6	22
16	Hemodynamic effect of progressive right atrial dilatation in atriopulmonary connections. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997, 114, 2-8.	0.8	21
17	Cardiac motion can alter proximal isovelocity surface area calculations of regurgitant flow. <i>Journal of the American College of Cardiology</i> , 1993, 22, 1730-1737.	2.8	20
18	Bidirectional superior cavopulmonary anastomosis improves mechanical efficiency in dilated atriopulmonary connections. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1999, 118, 681-691.	0.8	18

#	ARTICLE	IF	CITATIONS
19	Insights into catheter/doppler discrepancies in congenital aortic stenosis. American Journal of Cardiology, 1999, 83, 1447-1450.	1.6	18
20	Pressure recovery distal to stenoses: Expanding clinical applications of engineering principles. Journal of the American College of Cardiology, 1993, 21, 1026-1028.	2.8	17
21	Effect of Heart Rate on Centerline Velocities of Pulsatile Intracardiac Jets: An In Vitro Study with Laser Doppler Anemometry and Pulsed Doppler Ultrasound. Journal of the American Society of Echocardiography, 1992, 5, 393-404.	2.8	16
22	Quantitative Approaches to Color Doppler Flow Mapping of Intracardiac Blood Flow: A Review of In Vitro Methods. Echocardiography, 1989, 6, 371-383.	0.9	11
23	Editorial. Journal of Thoracic and Cardiovascular Surgery, 1996, 111, 499-501.	0.8	11
24	Quantification of regurgitant flow through bileaflet heart valve prostheses: Theoretical and in vitro studies. Ultrasound in Medicine and Biology, 1993, 19, 461-468.	1.5	7
25	Simultaneous doppler and catheter transvalvular pressure gradients across st jude bileaflet mitral valve prosthesis: In vivo study in a chronic animal model with pediatric valve sizes. Journal of the American Society of Echocardiography, 1998, 11, 1145-1154.	2.8	6
26	Development of a Noninvasive Marker of Wall Shear Stress Effects in Discrete Subaortic Stenosis. Cardiovascular Engineering (Dordrecht, Netherlands), 2001, 1, 137-146.	1.0	3
27	Ambient Fluid Velocity Influences Proximal Isovelocity Surface Area Calculations. Echocardiography, 1995, 12, 581-589.	0.9	2
28	Quantification of Mitral and Tricuspid Regurgitation Using Jet Centerline Velocities. Echocardiography, 1996, 13, 357-372.	0.9	2
29	Risk factors for the development of discrete subaortic stenosis determined by two-dimensional echocardiography. Journal of the American Society of Echocardiography, 1995, 8, 401.	2.8	1
30	How sensitive are jet centerline velocities to an opposing flow? Implications for using the centerline method to quantify regurgitant jet flow. Journal of Biomechanics, 1996, 29, 967-971.	2.1	1