# Edward G Cape

List of Publications by Year
in descending order

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Version: 2024-02-01

| 30 | 1,657 | 471509 17 | 395702 33 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 35 | 35 | 35 | 1056 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of three-dimensional valve shape on the hemodynamics of aortic stenosis. Journal of the American College of Cardiology, 2002, 40, 1479-1486. | 2.8 | 113 |
| 2 | 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 |
| 3 | Bidirectional superior cavopulmonary anastomosis improves mechanical efficiency in dilated atriopulmonary connections. Journal of Thoracic and Cardiovascular Surgery, 1999, 118, 681-691. | 0.8 | 18 |
| 4 | Fluid dynamic comparison of intra-atrial and extracardiac total cavopulmonary connections. Journal of Thoracic and Cardiovascular Surgery, 1999, 117, 697-704. | 0.8 | 135 |
| 5 | Insights into catheter/doppler discrepancies in congenital aortic stenosis. American Journal of Cardiology, 1999, 83, 1447-1450. | 1.6 | 18 |
| 6 | In Vitro Doppler Assessment of Pressure Gradients Across Modified Blalock-Taussig Shunts. American Journal of Cardiology, 1998, 81, 1219-1223. | 1.6 | 22 |
| 7 | 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 |
| 8 | Potential Role of Mechanical Stress in the Etiology of Pediatric Heart Disease: Septal Shear Stress in Subaortic Stenosis. Journal of the American College of Cardiology, 1997, 30, 247-254. | 2.8 | 122 |
| 9 | Abnormalities of the Left Ventricular Outflow Tract Associated With Discrete Subaortic Stenosis in Children: An Echocardiographic Study. Journal of the American College of Cardiology, 1997, 30, 255-259. | 2.8 | 63 |
| 10 | Hemodynamic effect of progressive right atrial dilatation in atriopulmonary connections. Journal of Thoracic and Cardiovascular Surgery, 1997, 114, 2-8. | 0.8 | 21 |
| 11 | Editorial. Journal of Thoracic and Cardiovascular Surgery, 1996, 111, 499-501. | 0.8 | 11 |
| 12 | 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 |
| 13 | Quantification of Mitral and Tricuspid Regurgitation Using Jet Centerline Velocities. Echocardiography, 1996, 13, 357-372. | 0.9 | 2 |
| 14 | Turbulent/Viscous Interactions Control Doppler/Catheter Pressure Discrepancies in Aortic Stenosis. Circulation, 1996, 94, 2975-2981. | 1.6 | 39 |
| 15 | Insights From Three-dimensional Echocardiographic Laser Stereolithography. Circulation, 1996, 94, 452-459. | 1.6 | 35 |
| 16 | Ambient Fluid Velocity Influences Proximal Isovelocity Surface Area Calculations. Echocardiography, 1995, 12, 581-589. | 0.9 | 2 |
| 17 | Three-dimensional surface geometry correction is required for calculating flow by the proximal isovelocity surface area technique. Journal of the American Society of Echocardiography, 1995, 8, 585-594. | 2.8 | 29 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Papillary Muscle Displacement Causes Systolic Anterior Motion of the Mitral Valve. Circulation, 1995, 91, 1189-1195. | 1.6 | 199 |
| 20 | 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 |
| 21 | 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 |
| 22 | Increased heart rate can cause underestimation of regurgitant jet size by Doppler color flow mapping. Journal of the American College of Cardiology, 1993, 21, 1029-1037. | 2.8 | 38 |
| 23 | Cardiac motion can alter proximal isovelocity surface area calculations of regurgitant flow. Journal of the American College of Cardiology, 1993, 22, 1730-1737. | 2.8 | 20 |
| 24 | 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 |
| 25 | Adjacent solid boundaries alter the size of regurgitant jets on Doppler color flow maps. Journal of the American College of Cardiology, 1991, 17, 1094-1102. | 2.8 | 146 |
| 26 | A new theoretical model for noninvasive quantification of mitral regurgitation. Journal of Biomechanics, 1990, 23, 27-33. | 2.1 | 40 |
| 27 | Chordal geometry determines the shape and extent of systolic anterior mitral motion: In vitro studies. Journal of the American College of Cardiology, 1989, 13, 1438-1448. | 2.8 | 80 |
| 28 | Pressure recovery distal to a stenosis: Potential cause of gradient â€œverestimationâ€•by Doppler echocardiography. Journal of the American College of Cardiology, 1989, 13, 706-715. | 2.8 | 149 |
| 29 | 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 |
| 30 | Review of hydrodynamic principles for the cardiologist: Applications to the study of blood flow and jets by imaging techniques. Journal of the American College of Cardiology, 1988, 12, 1344-1353. | 2.8 | 289 |