

# Steven B Feinstein

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

4,178

citations

33

h-index

64

g-index

72

ext. papers

4,609

ext. citations

4.5

avg, IF

5.18

L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 68 | Effect of pioglitazone compared with glimepiride on carotid intima-media thickness in type 2 diabetes: a randomized trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2006</b> , 296, 2572-81              | 27.4 | 521       |
| 67 | Safety and efficacy of a new transpulmonary ultrasound contrast agent: initial multicenter clinical results. <i>Journal of the American College of Cardiology</i> , <b>1990</b> , 16, 316-24                                   | 15.1 | 287       |
| 66 | Contrast echocardiography: current and future applications. <i>Journal of the American Society of Echocardiography</i> , <b>2000</b> , 13, 331-42  | 5.8  | 253       |
| 65 | Two-dimensional contrast echocardiography. I. In vitro development and quantitative analysis of echo contrast agents. <i>Journal of the American College of Cardiology</i> , <b>1984</b> , 3, 14-20                            | 15.1 | 252       |
| 64 | Vasa vasorum and plaque neovascularization on contrast-enhanced carotid ultrasound imaging correlates with cardiovascular disease and past cardiovascular events. <i>Stroke</i> , <b>2010</b> , 41, 41-7                       | 6.7  | 226       |
| 63 | Contrast ultrasound imaging of the carotid artery vasa vasorum and atherosclerotic plaque neovascularization. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 48, 236-43                                  | 15.1 | 209       |
| 62 | Contrast-enhanced ultrasound imaging of atherosclerotic carotid plaque neovascularization: a new surrogate marker of atherosclerosis?. <i>Vascular Medicine</i> , <b>2007</b> , 12, 291-7                                      | 3.3  | 186       |
| 61 | The powerful microbubble: from bench to bedside, from intravascular indicator to therapeutic delivery system, and beyond. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 287, H450-7 | 5.2  | 165       |
| 60 | Microbubble dynamics visualized in the intact capillary circulation. <i>Journal of the American College of Cardiology</i> , <b>1984</b> , 4, 595-600   | 15.1 | 142       |
| 59 | Contrast-enhanced ultrasound imaging of the vasa vasorum: from early atherosclerosis to the identification of unstable plaques. <i>JACC: Cardiovascular Imaging</i> , <b>2010</b> , 3, 761-71                                  | 8.4  | 123       |
| 58 | Contrast echocardiography during coronary arteriography in humans: perfusion and anatomic studies. <i>Journal of the American College of Cardiology</i> , <b>1988</b> , 11, 59-65  | 15.1 | 104       |
| 57 | Contrast echocardiography for evaluation of myocardial perfusion: effects of coronary angioplasty. <i>Journal of the American College of Cardiology</i> , <b>1986</b> , 8, 232-5   | 15.1 | 103       |
| 56 | Effects of consumption of pomegranate juice on carotid intima-media thickness in men and women at moderate risk for coronary heart disease. <i>American Journal of Cardiology</i> , <b>2009</b> , 104, 936-42                  | 3    | 102       |
| 55 | Correlation of carotid artery atherosclerotic lesion echogenicity and severity at standard US with intraplaque neovascularization detected at contrast-enhanced US. <i>Radiology</i> , <b>2011</b> , 258, 618-26               | 20.5 | 102       |
| 54 | Ability of the no-reflow phenomenon during an acute myocardial infarction to predict left ventricular dysfunction at one-month follow-up. <i>American Journal of Cardiology</i> , <b>1995</b> , 76, 861-8                      | 3    | 101       |
| 53 | Update on the safety and efficacy of commercial ultrasound contrast agents in cardiac applications. <i>Journal of Animal Science and Technology</i> , <b>2015</b> , 2, R55-62  | 1.6  | 71        |
| 52 | Pitfalls in quantitative contrast echocardiography: the steps to quantitation of perfusion. <i>Journal of the American Society of Echocardiography</i> , <b>1993</b> , 6, 395-416  | 5.8  | 70        |

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| 51 | Contrast enhanced ultrasound imaging. <i>Journal of Nuclear Cardiology</i> , <b>2010</b> , 17, 106-15  | 2.1  | 61 |
| 50 | Carotid intima-media thickness measurements: techniques and clinical relevance. <i>Current Atherosclerosis Reports</i> , <b>2008</b> , 10, 444-50  | 6    | 56 |
| 49 | Imaging of the vasa vasorum. <i>Nature Clinical Practice Cardiovascular Medicine</i> , <b>2008</b> , 5 Suppl 2, S18-25   |      | 54 |
| 48 | Contrast-enhanced ultrasound for assessing carotid atherosclerotic plaque lesions. <i>American Journal of Roentgenology</i> , <b>2012</b> , 198, W13-9   | 5.4  | 53 |
| 47 | Noninvasive surrogate markers of atherosclerosis. <i>American Journal of Cardiology</i> , <b>2002</b> , 89, 31C-43C; discussion 43C-44C  | 3    | 52 |
| 46 | Transesophageal echocardiographic monitoring of myocardial ischemia during vascular surgery. <i>Journal of Vascular Surgery</i> , <b>1987</b> , 5, 607-613   | 3.5  | 51 |
| 45 | Ultrasound-mediated targeted drug delivery: recent success and remaining challenges. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 304, H350-7  | 5.2  | 50 |
| 44 | Contrast-enhanced ultrasound for imaging vasa vasorum: comparison with histopathology in a swine model of atherosclerosis. <i>European Journal of Echocardiography</i> , <b>2010</b> , 11, 659-64  |      | 49 |
| 43 | Noninvasive imaging of the vulnerable atherosclerotic plaque. <i>Current Problems in Cardiology</i> , <b>2010</b> , 35, 556-91   | 17.1 | 49 |
| 42 | Recommendations for the Assessment of Carotid Arterial Plaque by Ultrasound for the Characterization of Atherosclerosis and Evaluation of Cardiovascular Risk: From the American Society of Echocardiography. <i>Journal of the American Society of Echocardiography</i> , <b>2020</b> , 33, 917-933 | 5.8  | 47 |
| 41 | Safety of ultrasound contrast agents in patients with known or suspected cardiac shunts. <i>American Journal of Cardiology</i> , <b>2013</b> , 112, 1039-45  | 3    | 44 |
| 40 | Contrast echocardiography: review and future directions. <i>American Journal of Cardiology</i> , <b>1998</b> , 81, 41G-48G   |      | 43 |
| 39 | Effect of contrast enhancement on measurement of carotid artery intimal medial thickness. <i>Vascular Medicine</i> , <b>2004</b> , 9, 7-12   | 3.3  | 43 |
| 38 | Role of surrogate markers in assessing patients with diabetes mellitus and the metabolic syndrome and in evaluating lipid-lowering therapy. <i>American Journal of Cardiology</i> , <b>2004</b> , 93, 32C-48C  | 3    | 39 |
| 37 | Carotid intraplaque neovascularization predicts coronary artery disease and cardiovascular events. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2019</b> , 20, 1239-1247  | 4.1  | 34 |
| 36 | Tissue-type plasminogen activator therapy versus primary coronary angioplasty: impact on myocardial tissue perfusion and regional function 1 month after uncomplicated myocardial infarction. <i>Journal of the American College of Cardiology</i> , <b>1998</b> , 31, 338-43                        | 15.1 | 32 |
| 35 | Echocardiographic contrast agents: effect of microbubbles and carrier solutions on left ventricular contractility. <i>Journal of the American College of Cardiology</i> , <b>1987</b> , 9, 910-9   | 15.1 | 30 |
| 34 | The relationship between immediate outcome after cardiac surgery, homogeneous cardioplegia delivery, and ejection fraction. <i>Chest</i> , <b>1994</b> , 106, 38-45  | 5.3  | 28 |

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|----|--|-----|----|
| 33 | Relationship of traditional and nontraditional cardiovascular risk factors to coronary artery calcium in type 2 diabetes. <i>Diabetes</i> , <b>2007</b> , 56, 849-55   | 0.9 | 27 |
| 32 | Effect of intracoronary injections of sonicated microbubbles on left ventricular contractility. <i>American Journal of Cardiology</i> , <b>1987</b> , 60, 166-71   | 3   | 24 |
| 31 | Myocardial risk area and peak gray level measurement by contrast echocardiography: effect of microbubble size and concentration, injection rate, and coronary vasodilation. <i>American Heart Journal</i> , <b>1988</b> , 115, 733-9                                       | 4.9 | 24 |
| 30 | The influence of intravenous Alunex injections on pulmonary arterial pressure, gas exchange, and left ventricular peak intensity. <i>Journal of the American Society of Echocardiography</i> , <b>1992</b> , 5, 463-70   | 5.8 | 23 |
| 29 | The Use of Contrast-enhanced Ultrasonography for Imaging of Carotid Atherosclerotic Plaques: Current Evidence, Future Directions. <i>Neuroimaging Clinics of North America</i> , <b>2016</b> , 26, 81-96   | 3   | 20 |
| 28 | Reduced forward output states affect the left ventricular opacification of intravenously administered Alunex. <i>Journal of the American Society of Echocardiography</i> , <b>1997</b> , 10, 25-30   | 5.8 | 18 |
| 27 | Predictors of anterior and posterior wall carotid intima media thickness progression in men and women at moderate risk of coronary heart disease. <i>Journal of Clinical Lipidology</i> , <b>2011</b> , 5, 141-151   | 4.9 | 17 |
| 26 | Sonicated echocardiographic contrast agents: reproducibility studies. <i>Journal of the American Society of Echocardiography</i> , <b>1989</b> , 2, 125-31   | 5.8 | 16 |
| 25 | Contrast-Enhanced Ultrasound to Assess Carotid Intraplaque Neovascularization. <i>Ultrasound in Medicine and Biology</i> , <b>2020</b> , 46, 466-478   | 3.5 | 16 |
| 24 | Drug and Gene Delivery using Sonoporation for Cardiovascular Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 880, 331-8  | 3.6 | 15 |
| 23 | Safety and feasibility of renal blood flow determination during kidney transplant surgery with perfusion ultrasonography. <i>Anesthesia and Analgesia</i> , <b>1995</b> , 80, 353-9  | 3.9 | 12 |
| 22 | Therapeutic ultrasound: Increased HDL-Cholesterol following infusions of acoustic microspheres and apolipoprotein A-I plasmids. <i>Atherosclerosis</i> , <b>2015</b> , 241, 92-9   | 3.1 | 10 |
| 21 | Optimizing alunex in the left ventricle: an analysis of the technical parameters of four ultrasound systems in canines and humans. <i>Journal of the American Society of Echocardiography</i> , <b>1996</b> , 9, 787-94  | 5.8 | 10 |
| 20 | New advances in noninvasive imaging of the carotid artery: CIMT, contrast-enhanced ultrasound, and vasa vasorum. <i>Current Cardiology Reports</i> , <b>2010</b> , 12, 497-502   | 4.2 | 9  |
| 19 | New Developments in Ultrasonic Contrast Techniques: Transpulmonary Passage of Contrast Agents and Diagnostic Implications. <i>Echocardiography</i> , <b>1989</b> , 6, 27-33  | 1.5 | 9  |
| 18 | Introduction: 4th Guidelines and Good Clinical Practice Recommendations for Contrast Enhanced Ultrasound (CEUS) in the Liver-Update 2020 WFUMB in Cooperation with EFSUMB, AFSUMB, AIUM and FLAUS. <i>Ultrasound in Medicine and Biology</i> , <b>2020</b> , 46, 3483-3484 | 3.5 | 8  |
| 17 | Contrast echocardiography displays increased subendocardial perfusion after nitroglycerin administration. <i>Journal of the American Society of Echocardiography</i> , <b>1997</b> , 10, 210-4   | 5.8 | 6  |
| 16 | Assessment of Myocardial Perfusion Using Contrast Echocardiography. <i>Echocardiography</i> , <b>1989</b> , 6, 17-25   | 1.5 | 6  |

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|----|---|-----|---|
| 15 | Detection of adventitial vasa vasorum and intraplaque neovascularization in carotid atherosclerotic lesions with contrast-enhanced ultrasound and their role in atherosclerosis. <i>Methodist DeBakey Cardiovascular Journal</i> , <b>2011</b> , 7, 37-40 | 2.1 | 5 |
| 14 | Diabetes mellitus and noninvasive imaging of atherosclerosis. <i>American Journal of Cardiology</i> , <b>2007</b> , 99, 89B-95B   | 3   | 4 |
| 13 | Quantitative Radiofrequency Analysis of Sonicated Echo Contrast Agents. <i>Developments in Cardiovascular Medicine</i> , <b>1987</b> , 13-27  |     | 4 |
| 12 | Use of ultrasound enhancing agents in transesophageal echocardiography to improve interpretive confidence of left atrial appendage thrombus. <i>Echocardiography</i> , <b>2019</b> , 36, 362-369  | 1.5 | 4 |
| 11 | Contrast-enhanced ultrasound in pediatric echocardiography. <i>Pediatric Radiology</i> , <b>2021</b> , 51, 2408-2417  | 2.8 | 4 |
| 10 | In-hospital statin underutilization among high-risk patients: delayed uptake of the 2013 cholesterol guidelines in a U.S. cohort. <i>Hospital Practice (1995)</i> , <b>2017</b> , 45, 16-20   | 2.2 | 2 |
| 9  | Albumin spheres as contrast agents <b>1993</b> , 57-70  |     | 1 |
| 8  | Usefulness of echo enhancement in stress echocardiography (USA experience) <b>1997</b> , 361-369  |     | 1 |
| 7  | Pediatric contrast-enhanced ultrasound: shedding light on the pursuit of approval in the United States. <i>Pediatric Radiology</i> , <b>2021</b> , 51, 2128-2138  | 2.8 | 1 |
| 6  | Transient Ischemic Attack Caused by Contrast Echocardiography in a Patient with Platypnea-Orthodeoxia. <i>Echocardiography</i> , <b>2016</b> , 33, 165-6  | 1.5 | 1 |
| 5  | More on advances in imaging angiogenesis and inflammation in atherosclerosis. <i>Thrombosis and Haemostasis</i> , <b>2011</b> , 105, 920-1  | 7   |   |
| 4  | Safety and Feasibility of Renal Blood Flow Determination During Kidney Transplant Surgery with Perfusion Ultrasonography. <i>Anesthesia and Analgesia</i> , <b>1995</b> , 80, 353-359   | 3.9 |   |
| 3  | Presence of A Left Atrial Appendage Thrombus After Successful Surgical Closure of the Left Atrial Appendage: A Case Report. <i>Journal of Atrial Fibrillation</i> , <b>2013</b> , 6, 954  | 0.8 |   |
| 2  | Developments in Echo Contrast Agents. <i>Developments in Cardiovascular Medicine</i> , <b>1987</b> , 3-12   |     |   |
| 1  | Computer Techniques in Contrast Echocardiography. <i>Developments in Cardiovascular Medicine</i> , <b>1987</b> , 29-38  |     |   |