# Manish Motwani

List of Publications by Year
in descending order

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|---|---|---|---|
| 55<br>papers | 2,399<br>citations | 257450<br>24<br>h-index | 206112<br>48<br>g-index |
| 57<br>all docs | 57<br>docs citations | 57<br>times ranked | 3564<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. European Heart Journal, 2017, 38, ehw188. | 2.2 | 447 |
| 2 | MR Imaging of Cardiac Tumors and Masses: A Review of Methods and Clinical Applications. Radiology, 2013, 268, 26-43. | 7.3 | 307 |
| 3 | Prognostic Value of Combined Clinical andÂMyocardial Perfusion Imaging Data Using Machine Learning. JACC: Cardiovascular Imaging, 2018, 11, 1000-1009. | 5.3 | 172 |
| 4 | Comparison of Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Women With Suspected Coronary Artery Disease From the Clinical Evaluation of Magnetic Resonance Imaging in Coronary Heart Disease (CE-MARC) Trial. Circulation, 2014, 129, 1129-1138. | 1.6 | 146 |
| 5 | Quantitative global plaque characteristics from coronary computed tomography angiography for the prediction of future cardiac mortality during long-term follow-up. European Heart Journal Cardiovascular Imaging, 2017, 18, 1331-1339. | 1.2 | 90 |
| 6 | Prognostic Value of Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Suspected Coronary Heart Disease: Long-Term Follow-up of a Prospective, Diagnostic Accuracy Cohort Study. Annals of Internal Medicine, 2016, 165, 1. | 3.9 | 80 |
| 7 | Cardiac imaging: working towards fully-automated machine analysis &amp; interpretation. Expert Review of Medical Devices, 2017, 14, 197-212. | 2.8 | 78 |
| 8 | Motion Correction of $^{18}$F-NaF PET for Imaging Coronary Atherosclerotic Plaques. Journal of Nuclear Medicine, 2016, 57, 54-59. | 5.0 | 74 |
| 9 | The effect of microvascular obstruction and intramyocardial hemorrhage on contractile recovery in reperfused myocardial infarction: insights from cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 58. | 3.3 | 58 |
| 10 | Multicenter Evaluation of Dynamic Three-Dimensional Magnetic Resonance Myocardial Perfusion Imaging for the Detection of Coronary Artery Disease Defined by Fractional Flow Reserve. Circulation: Cardiovascular Imaging, 2015, 8, . | 2.6 | 58 |
| 11 | Myocardial Extracellular Volume Estimation by CMR Predicts Functional Recovery Following Acute MI. JACC: Cardiovascular Imaging, 2017, 10, 989-999. | 5.3 | 57 |
| 12 | High-Resolution Versus Standard-Resolution Cardiovascular MR Myocardial Perfusion Imaging for the Detection of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2012, 5, 306-313. | 2.6 | 51 |
| 13 | Evaluation of a comprehensive cardiovascular magnetic resonance protocol in young adults late after the arterial switch operation for d-transposition of the great arteries. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 98. | 3.3 | 49 |
| 14 | Imaging of coronary atherosclerosis â€" evolution towards new treatment strategies. Nature Reviews Cardiology, 2016, 13, 533-548. | 13.7 | 47 |
| 15 | Serial Change in Health-Related Quality of Life Over 1 Year After Transcatheter Aortic Valve Implantation. Journal of the American College of Cardiology, 2012, 59, 1672-1680. | 2.8 | 46 |
| 16 | Quantitative three-dimensional cardiovascular magnetic resonance myocardial perfusion imaging in systole and diastole. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 19. | 3.3 | 43 |
| 17 | Advanced Cardiovascular Magnetic Resonance Myocardial Perfusion Imaging. Circulation: Cardiovascular Imaging, 2013, 6, 339-348. | 2.6 | 41 |
| 18 | Relationship between Myocardial Edema and Regional Myocardial Function after Reperfused Acute Myocardial Infarction: An MR Imaging Study. Radiology, 2013, 267, 701-708. | 7.3 | 39 |

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|---|---|---|---|
| 19 | Artificial Intelligence in Cardiovascular Imaging for Risk Stratification in Coronary Artery Disease. Radiology: Cardiothoracic Imaging, 2021, 3, e200512. | 2.5 | 39 |
| 20 | Automatic registration of misaligned CT attenuation correction maps in Rb-82 PET/CT improves detection of angiographically significant coronary artery disease. Journal of Nuclear Cardiology, 2015, 22, 1285-1295. | 2.1 | 33 |
| 21 | Systolic versus Diastolic Acquisition in Myocardial Perfusion MR Imaging. Radiology, 2012, 262, 816-823. | 7.3 | 30 |
| 22 | Consequence of Cerebral Embolism After Transcatheter Aortic Valve Implantation Compared With Contemporary Surgical Aortic Valve Replacement. Circulation: Cardiovascular Interventions, 2015, 8, e001913. | 3.9 | 29 |
| 23 | Assessment of aortic stiffness by cardiovascular magnetic resonance following the treatment of severe aortic stenosis by TAVI and surgical AVR. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 37. | 3.3 | 26 |
| 24 | Factors associated with false‐negative cardiovascular magnetic resonance perfusion studies: A Clinical evaluation of magnetic resonance imaging in coronary artery disease (CE‐MARC) substudy. Journal of Magnetic Resonance Imaging, 2016, 43, 566-573. | 3.4 | 25 |
| 25 | Fractional flow reserve as the reference standard for myocardial perfusion studies: fool's gold?. European Heart Journal Cardiovascular Imaging, 2013, 14, 1211-1213. | 1.2 | 24 |
| 26 | Cardiac implantable electronic device (CIED) infections are expensive and associated with prolonged hospitalisation: UK Retrospective Observational Study. PLoS ONE, 2019, 14, e0206611. | 2.5 | 22 |
| 27 | Advances in cardiovascular magnetic resonance in ischaemic heart disease and non-ischaemic cardiomyopathies. Heart, 2014, 100, 1722-1733. | 2.9 | 20 |
| 28 | Assessment of ischaemic burden in angiographic three-vessel coronary artery disease with high-resolution myocardial perfusion cardiovascular magnetic resonance imaging. European Heart Journal Cardiovascular Imaging, 2014, 15, 701-708. | 1.2 | 20 |
| 29 | Artificial intelligence in cardiovascular CT: Current status and future implications. Journal of Cardiovascular Computed Tomography, 2021, 15, 462-469. | 1.3 | 20 |
| 30 | Fully automated analysis of attenuation-corrected SPECT for the long-term prediction of acute myocardial infarction. Journal of Nuclear Cardiology, 2018, 25, 1353-1360. | 2.1 | 17 |
| 31 | 3.0T, time-resolved, 3D flow-sensitive MR in the thoracic aorta: Impact of *k-t* BLAST acceleration using 8- versus 32-channel coil arrays. Journal of Magnetic Resonance Imaging, 2015, 42, 495-504. | 3.4 | 16 |
| 32 | Quantification of myocardial blood flow with cardiovascular magnetic resonance throughout the cardiac cycle. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 4. | 3.3 | 16 |
| 33 | Reasons and implications of agreements and disagreements between coronary flow reserve, fractional flow reserve, and myocardial perfusion imaging. Journal of Nuclear Cardiology, 2018, 25, 104-119. | 2.1 | 16 |
| 34 | Role of cardiovascular magnetic resonance in the management of patients with stable coronary artery disease. Heart, 2018, 104, 888-894. | 2.9 | 15 |
| 35 | Isolated Left Ventricular Apical Hypoplasia Evaluated by Cardiovascular Magnetic Resonance and Gadolinium Enhancement Techniques. Journal of the American College of Cardiology, 2011, 58, 2355. | 2.8 | 14 |
| 36 | Individual component analysis of the multi-parametric cardiovascular magnetic resonance protocol in the CE-MARC trial. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 59. | 3.3 | 14 |

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|---|---------|-----|-----------|
| 37 | Automated Quantitative Nuclear Cardiology Methods. Cardiology Clinics, 2016, 34, 47-57. | 2.2 | 14 |
| 38 | Robust myocardial $T_2$ and $T_2$* mapping at 3T using image‐based shimming. Journal of Magnetic Resonance Imaging, 2015, 41, 1013-1020. | 3.4 | 13 |
| 39 | Three-dimensional whole-heart vs. two-dimensional high-resolution perfusion-CMR: a pilot study comparing myocardial ischaemic burden. European Heart Journal Cardiovascular Imaging, 2016, 17, 900-908. | 1.2 | 12 |
| 40 | Demons versus level-set motion registration for coronary $^{18}$F-sodium fluoride PET. Proceedings of SPIE, 2016, 9784, . | 0.8 | 11 |
| 41 | Inverse association of MRI-derived native myocardial T1 and perfusion reserve index in women with evidence of ischemia and no obstructive CAD: A pilot study. International Journal of Cardiology, 2018, 270, 48-53. | 1.7 | 11 |
| 42 | Caseous calcification of the mitral valve complicated by embolization, mitral regurgitation, and pericardial constriction. European Heart Journal Cardiovascular Imaging, 2012, 13, 792-792. | 1.2 | 10 |
| 43 | Established and emerging cardiovascular magnetic resonance techniques for the assessment of stable coronary heart disease and acute coronary syndromes. Quantitative Imaging in Medicine and Surgery, 2014, 4, 330-44. | 2.0 | 8 |
| 44 | Accelerated, high spatial resolution cardiovascular magnetic resonance myocardial perfusion imaging. Journal of Nuclear Cardiology, 2011, 18, 952-958. | 2.1 | 6 |
| 45 | Impact of incomplete ventricular coverage on diagnostic performance of myocardial perfusion imaging. International Journal of Cardiovascular Imaging, 2018, 34, 661-669. | 1.5 | 6 |
| 46 | Hiding beyond plain sight: Textural analysis of positron emission tomography to identify high-risk plaques in carotid atherosclerosis. Journal of Nuclear Cardiology, 2021, 28, 1872-1874. | 2.1 | 5 |
| 47 | Ambulatory intravenous furosemide for decompensated heart failure: safe, feasible, and effective. ESC Heart Failure, 2021, 8, 3906-3916. | 3.1 | 4 |
| 48 | An alternative technique for implantation of a dual chamber pacemaker via a persistent left superior vena cava using a coronary sinus guiding catheter. Journal of Cardiology Cases, 2010, 2, e103-e105. | 0.5 | 3 |
| 49 | Inter-scan Reproducibility of Cardiovascular Magnetic Resonance Imaging-Derived Myocardial Perfusion Reserve Index in Women with no Obstructive Coronary Artery Disease. Current Trends in Clinical & Medical Imaging, 2018, 2, . | 0.2 | 3 |
| 50 | Myocardial Bridging With a Coronary Artery Aneurysm and Left Ventricular Stunning. American Journal of the Medical Sciences, 2011, 341, 510-511. | 1.1 | 2 |
| 51 | Aortic Coarctation Presenting as Pseudoinfarction. Journal of the American College of Cardiology, 2011, 57, 376. | 2.8 | 1 |
| 52 | Response to Letter Regarding Article "Comparison of Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Women With Suspected Coronary Artery Disease From the Clinical Evaluation of Magnetic Resonance Imaging in Coronary Heart Disease (CE-MARC) Trial". Circulation, 2014, 130, e340. | 1.6 | 0 |
| 53 | High-risk plaque features on coronary computed tomography angiography: a long-term relationship: it's complicated!. European Heart Journal Cardiovascular Imaging, 2020, 21, 249-250. | 1.2 | 0 |
| 54 | Myocardial Perfusion Cardiovascular Magnetic Resonance. , 2019, , 51-65.e2. | | 0 |

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|---|---------|-----|-----------|
| 55 | Are You a Robot?. JACC: Cardiovascular Imaging, 2022, 15, 872-874. | 5.3 | 0 |