

# Amish N Raval

## List of Publications by Year in descending order

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53  
papers

1,037  
citations

516561

16  
h-index

434063

31  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional cardiac fibroblasts derived from human pluripotent stem cells via second heart field progenitors. <i>Nature Communications</i> , 2019, 10, 2238.	5.8	125
2	Induced Pluripotent Stem Cells for Post-Myocardial Infarction Repair. <i>Circulation Research</i> , 2014, 114, 1328-1345.	2.0	119
3	X-Ray Fused With Magnetic Resonance Imaging (XFM) to Target Endomyocardial Injections. <i>Circulation</i> , 2006, 114, 2342-2350.	1.6	72
4	Real-Time Magnetic Resonance Imaging-Guided Endovascular Recanalization of Chronic Total Arterial Occlusion in a Swine Model. <i>Circulation</i> , 2006, 113, 1101-1107.	1.6	62
5	Technology preview: X-ray fused with magnetic resonance during invasive cardiovascular procedures. <i>Catheterization and Cardiovascular Interventions</i> , 2007, 70, 773-782.	0.7	62
6	Patient preferences for coronary artery bypass graft surgery or percutaneous intervention in multivessel coronary artery disease. <i>Catheterization and Cardiovascular Interventions</i> , 2013, 82, 212-218.	0.7	55
7	Cardiac Fibroblast-Derived 3D Extracellular Matrix Seeded with Mesenchymal Stem Cells as a Novel Device to Transfer Cells to the Ischemic Myocardium. <i>Cardiovascular Engineering and Technology</i> , 2014, 5, 119-131.	0.7	48
8	Biodistribution and Clearance of Human Mesenchymal Stem Cells by Quantitative Three-Dimensional Cryo-Imaging After Intravenous Infusion in a Rat Lung Injury Model. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1668-1675.	1.6	47
9	Bilateral administration of autologous CD133+ cells in ambulatory patients with refractory critical limb ischemia: lessons learned from a pilot randomized, double-blind, placebo-controlled trial. <i>Cytotherapy</i> , 2014, 16, 1720-1732.	0.3	41
10	Macrophages Educated with Exosomes from Primed Mesenchymal Stem Cells Treat Acute Radiation Syndrome by Promoting Hematopoietic Recovery. <i>Biology of Blood and Marrow Transplantation</i> , 2019, 25, 2124-2133.	2.0	40
11	Intracoronary infusion of autologous mononuclear cells from bone marrow or granulocyte colony-stimulating factor-mobilized apheresis product may not improve remodelling, contractile function, perfusion, or infarct size in a swine model of large myocardial infarction. <i>European Heart Journal</i> , 2008, 29, 1772-1782.	1.0	37
12	Low dose dynamic CT myocardial perfusion imaging using a statistical iterative reconstruction method. <i>Medical Physics</i> , 2014, 41, 071914.	1.6	26
13	The CardiAMP Heart Failure trial: A randomized controlled pivotal trial of high-dose autologous bone marrow mononuclear cells using the CardiAMP cell therapy system in patients with post-myocardial infarction heart failure: Trial rationale and study design. <i>American Heart Journal</i> , 2018, 201, 141-148.	1.2	22
14	Induced cardiac progenitor cells repopulate decellularized mouse heart scaffolds and differentiate to generate cardiac tissue. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118559.	1.9	21
15	Targeted transendocardial therapeutic delivery guided by MRI-X-ray image fusion. <i>Catheterization and Cardiovascular Interventions</i> , 2011, 78, 468-478.	0.7	19
16	MRI-3D ultrasound-X-ray image fusion with electromagnetic tracking for transendocardial therapeutic injections: In-vitro validation and in-vivo feasibility. <i>Computerized Medical Imaging and Graphics</i> , 2013, 37, 162-173.	3.5	19
17	Impact of statins on cellular respiration and de-differentiation of myofibroblasts in human failing hearts. <i>ESC Heart Failure</i> , 2019, 6, 1027-1040.	1.4	18
18	Real-time pose estimation of devices from x-ray images: Application to x-ray/echo registration for cardiac interventions. <i>Medical Image Analysis</i> , 2016, 34, 101-108.	7.0	16

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19	Cellular therapies for heart disease: Unveiling the ethical and public policy challenges. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 593-601.	0.9	14
20	Intravenous Followed by X-ray Fused with MRI-Guided Transendocardial Mesenchymal Stem Cell Injection Improves Contractility Reserve in a Swine Model of Myocardial Infarction. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 438-448.	1.1	14
21	Point of care, bone marrow mononuclear cell therapy in ischemic heart failure patients personalized for cell potency: 12-month feasibility results from CardiAMP heart failure roll-in cohort. <i>International Journal of Cardiology</i> , 2021, 326, 131-138.	0.8	13
22	Detector, collimator and real-time reconstructor for a new scanning-beam digital x-ray (SBDX) prototype. , 2015, 9412, .		12
23	High-resolution 3D arteriography of chronic total peripheral occlusions using aT1-W turbo spin-echo sequence with inner-volume imaging. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 40-49.	1.9	11
24	Outcomes of Physicianâ€¢Staffed Versus Nonâ€¢Physicianâ€¢Staffed Helicopter Transport for STâ€¢Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	10
25	Not All Stem Cells Are Created Equal. <i>Circulation Research</i> , 2018, 123, 944-946.	2.0	10
26	The impact of increased pulmonary arterial pressure on outcomes after transcatheter aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, E723-E734.	0.7	10
27	Percutaneous revascularization of subclavian artery chronic occlusion with dual cerebral artery protection. <i>Catheterization and Cardiovascular Interventions</i> , 2008, 71, 992-994.	0.7	9
28	Therapeutic Potential of Adult Progenitor Cells in the Management of Chronic Myocardial Ischemia. <i>American Journal of Cardiovascular Drugs</i> , 2008, 8, 315-326.	1.0	9
29	Multimodality image fusion to guide peripheral artery chronic total arterial occlusion recanalization in a swine carotid artery occlusion model: Unblinding the interventionalist. <i>Catheterization and Cardiovascular Interventions</i> , 2012, 80, 1090-1098.	0.7	9
30	Cardiopulmonary and histological characterization of an acute rat lung injury model demonstrating safety of mesenchymal stromal cell infusion. <i>Cytotherapy</i> , 2016, 18, 536-545.	0.3	9
31	Calibration-free coronary artery measurements for interventional device sizing using inverse geometry x-ray fluoroscopy: <i>in vivo</i> validation. <i>Journal of Medical Imaging</i> , 2014, 1, 033504.	0.8	8
32	A dynamic modelâ€¢based approach to motion and deformation tracking of prosthetic valves from biplane xâ€¢ray images. <i>Medical Physics</i> , 2018, 45, 2583-2594.	1.6	8
33	Cardiac fibroblast derived matrix-educated macrophages express VEGF and IL-6, and recruit mesenchymal stromal cells. <i>Journal of Immunology and Regenerative Medicine</i> , 2020, 10, 100033.	0.2	8
34	Transcatheter aortic valve replacement in patients with anomalous left circumflex coronary artery. <i>Journal of Cardiac Surgery</i> , 2019, 34, 503-505.	0.3	7
35	Clinical Safety Profile of Transendocardial Catheter Injection Systems: A Plea for Uniform Reporting. <i>Cardiovascular Revascularization Medicine</i> , 2021, 22, 100-108.	0.3	5
36	The Prognosis of Elderly Patients with Aortic Stenosis after Transcatheter Aortic Valve Replacement. <i>Internal Medicine</i> , 2021, 60, 517-523.	0.3	4

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37	Cultured cardiac fibroblasts and myofibroblasts express Sushi Containing Domain 2 and assemble a unique fibronectin rich matrix. <i>Experimental Cell Research</i> , 2021, 399, 112489.	1.2	4
38	Depth-resolved registration of transesophageal echo to x-ray fluoroscopy using an inverse geometry fluoroscopy system. <i>Medical Physics</i> , 2015, 42, 7022-7033.	1.6	3
39	Pre PCI hospital antithrombotic therapy for ST elevation myocardial infarction: striving for consensus. <i>Journal of Thrombosis and Thrombolysis</i> , 2012, 34, 20-30.	1.0	2
40	Percutaneous mechanical assist for severe cardiogenic shock due to acute right ventricular failure. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 1082-1087.	0.7	2
41	Improving the cardiac cath-lab interventional imaging eco-system. <i>Translational Pediatrics</i> , 2018, 7, 1-4.	0.5	2
42	Calibration-free coronary artery measurements for interventional device sizing using inverse geometry x-ray fluoroscopy: <i>in vivo</i> validation. <i>Proceedings of SPIE</i> , 2014, 9033, 90332H.	0.8	1
43	Recurrent severe aortic stenosis one year after transcatheter aortic valve-in-valve implantation: Successful treatment with balloon aortic valvuloplasty. <i>Journal of Cardiology Cases</i> , 2016, 14, 35-37.	0.2	1
44	Dynamic tracking of prosthetic valve motion and deformation from bi-plane x-ray views: feasibility study. <i>Proceedings of SPIE</i> , 2016, 9786, .	0.8	1
45	Technical and clinical study of x-ray-based surface echo probe tracking using an attached fiducial apparatus. <i>Medical Physics</i> , 2021, 48, 2528-2542.	1.6	1
46	Clinical Trial Design for Investigational Cardio-Regenerative Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1098, 199-211.	0.8	0
47	It hurts to swallow! Pseudoachalasia resulting from attempted transcatheter occlusion of a giant congenital coronary artery fistula. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 94, 980-983.	0.7	0
48	Localization of cardiac volume and patient features in inverse geometry x-ray fluoroscopy. , 2017, 10132, .		0
49	Off-Pump Transapical Removal of An Embolized Transcatheter Aortic Valve. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017, 12, 221-223.	0.4	0
50	Propelling ST-segment elevation myocardial infarction systems of care into the air. <i>Kardiologia Polska</i> , 2020, 78, 265-266.	0.3	0
51	Cell Therapy Strategies With No Safety Concerns and Demonstrated Benefits Warrant Study. <i>Circulation Journal</i> , 2020, 84, 2120-2121.	0.7	0
52	Macrophage Response to Biomaterials in Cardiovascular Applications. , 2021, , 81-92.		0
53	Dare to dream? Cell-based therapies for heart failure after DREAM-HF: Review and roadmap for future clinical study. <i>American Heart Journal Plus</i> , 2022, 13, 100118.	0.3	0