

# Bedros Taslakian

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

3,227  
citations

394390

19  
h-index

161844

54  
g-index

93  
all docs

93  
docs citations

93  
times ranked

5703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clearance systems in the brain—implications for Alzheimer disease. <i>Nature Reviews Neurology</i> , 2015, 11, 457-470.	10.1	1,127
2	XD—GRASP: Golden—angle radial MRI with reconstruction of extra motion—state dimensions using compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 775-788.	3.0	452
3	Rapid <i>B<sub>1</sub></i> mapping using a preconditioning RF pulse with TurboFLASH readout. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 439-446.	3.0	199
4	The Mitral Valve in Obstructive Hypertrophic Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1846-1858.	2.8	191
5	Tagged magnetic resonance imaging of the heart: a survey. <i>Medical Image Analysis</i> , 2005, 9, 376-393.	11.6	107
6	Patient Evaluation and Preparation in Vascular and Interventional Radiology: What Every Interventional Radiologist Should Know (Part 2: Patient Preparation and Medications). <i>CardioVascular and Interventional Radiology</i> , 2016, 39, 489-499.	2.0	101
7	Patient Evaluation and Preparation in Vascular and Interventional Radiology: What Every Interventional Radiologist Should Know (Part 1: Patient Assessment and Laboratory Tests). <i>CardioVascular and Interventional Radiology</i> , 2016, 39, 325-333.	2.0	99
8	Fast multi-contrast MRI reconstruction. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1344-1352.	1.8	93
9	Safety of Combined Yttrium-90 Radioembolization and Immune Checkpoint Inhibitor Immunotherapy for Hepatocellular Carcinoma. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 25-34.	0.5	72
10	Papillary Muscles Do Not Attach Directly to the Solid Heart Wall. <i>Circulation</i> , 2004, 109, 3145-3148.	1.6	59
11	Diagnostic Performance of Cardiac Magnetic Resonance Imaging and Echocardiography in Evaluation of Cardiac and Paracardiac Masses. <i>American Journal of Cardiology</i> , 2016, 117, 135-140.	1.6	50
12	Magnetic resonance imaging of myocardial strain: A review of current approaches. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1263-1280.	3.4	49
13	Liver stiffness assessment by tagged MRI of cardiac—induced liver motion. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 949-955.	3.0	41
14	Deformable models with sparsity constraints for cardiac motion analysis. <i>Medical Image Analysis</i> , 2014, 18, 927-937.	11.6	34
15	Stress Cardiac <i>MRI</i> in Women With Myocardial Infarction and Nonobstructive Coronary Artery Disease. <i>Clinical Cardiology</i> , 2016, 39, 596-602.	1.8	34
16	Fibroblastic and myofibroblastic tumors of the head and neck: Comprehensive imaging-based review with pathologic correlation. <i>European Journal of Radiology</i> , 2015, 84, 250-260.	2.6	28
17	Probing dynamic myocardial microstructure with cardiac magnetic resonance diffusion tensor imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 89.	3.3	27
18	A novel and practical cardiovascular magnetic resonance method to quantify mitral annular excursion and recoil applied to hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 35.	3.3	23

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19	Real time dynamic MRI by exploiting spatial and temporal sparsity. <i>Magnetic Resonance Imaging</i> , 2016, 34, 473-482.	1.8	23
20	The discrepancy rate between preliminary and official reports of emergency radiology studies: a performance indicator and quality improvement method. <i>Acta Radiologica</i> , 2015, 56, 598-604.	1.1	22
21	Liver stiffness assessment with tagged MRI of cardiac-induced liver motion in cirrhosis patients. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1301-1307.	3.4	19
22	Cardiovascular magnetic resonance features of mechanical dyssynchrony in patients with left bundle branch block. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1427-1438.	1.5	19
23	Interventional Radiology Suite: A Primer for Trainees. <i>Journal of Clinical Medicine</i> , 2019, 8, 1347.	2.4	19
24	The Essentials of Parathyroid Hormone Venous Sampling. <i>CardioVascular and Interventional Radiology</i> , 2017, 40, 9-21.	2.0	17
25	VASCULAR STRUCTURE SEGMENTATION AND BIFURCATION DETECTION. , 2007, , .		16
26	Segmentation of myocardium using deformable regions and graph cuts. , 2012, 2012, 254-257.		16
27	Quantitative contrast-enhanced first-pass cardiac perfusion MRI at 3 tesla with accurate arterial input function and myocardial wall enhancement. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 676-684.	3.4	15
28	Multi-component deformable models coupled with 2D-3D U-Net for automated probabilistic segmentation of cardiac walls and blood. , 2018, , .		15
29	Intimal Sarcoma in the Aortic Arch Partially Obstructing the Aorta with Metastasis to the Brain. <i>Texas Heart Institute Journal</i> , 2014, 41, 433-436.	0.3	13
30	Use of self-gated radial cardiovascular magnetic resonance to detect and classify arrhythmias (atrial) Tj ETQqO O O rgBT /Overlock 10 Tf 5 2017, 18, 83.	3.3	12
31	3D Motion Modeling and Reconstruction of Left Ventricle Wall in Cardiac MRI. <i>Lecture Notes in Computer Science</i> , 2017, 10263, 481-492.	1.3	12
32	Diagnostic Accuracy of Cardiac Magnetic Resonance Imaging in the Evaluation of Newly Diagnosed Heart Failure With Reduced Left Ventricular Ejection Fraction. <i>American Journal of Cardiology</i> , 2015, 116, 1082-1087.	1.6	11
33	Post-procedural Care in Interventional Radiology: What Every Interventional Radiologist Should Knowâ€”Part I: Standard Post-procedural Instructions and Follow-Up Care. <i>CardioVascular and Interventional Radiology</i> , 2017, 40, 481-495.	2.0	11
34	Safety and Effectiveness of Yttrium-90 Radioembolization around the Time of Immune Checkpoint Inhibitors for Unresectable Hepatic Metastases. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1233-1241.	0.5	11
35	MRI-Derived Sarcopenia Associated with Increased Mortality Following Yttrium-90 Radioembolization of Hepatocellular Carcinoma. <i>CardioVascular and Interventional Radiology</i> , 2021, 44, 1561-1569.	2.0	11
36	The Need for Speed. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 893-895.	5.3	10

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37	Meshless deformable models for 3D cardiac motion and strain analysis from tagged MRI. <i>Magnetic Resonance Imaging</i> , 2015, 33, 146-160.	1.8	10
38	Abnormal Motion Patterns of the Interventricular Septum. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1281-1284.	5.3	10
39	Comparative Analysis of Safety and Efficacy of Transarterial Chemoembolization for the Treatment of Hepatocellular Carcinoma in Patients with and without Pre-Existing Transjugular Intrahepatic Portosystemic Shunts. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 409-415.	0.5	9
40	Sequential Development of Wilms Tumor and Medulloblastoma in a Child: An Unusual Presentation of Fanconi Anemia. <i>Pediatric Hematology and Oncology</i> , 2013, 30, 400-402.	0.8	8
41	Essentials of Insulinoma Localization with Selective Arterial Calcium Stimulation and Hepatic Venous Sampling. <i>Journal of Clinical Medicine</i> , 2020, 9, 3091.	2.4	8
42	Assessment of surgical portosystemic shunts and associated complications: The diagnostic and therapeutic role of radiologists. <i>European Journal of Radiology</i> , 2015, 84, 1525-1539.	2.6	7
43	Quantitative Perfusion Analysis of First-Pass Contrast Enhancement Kinetics: Application to MRI of Myocardial Perfusion in Coronary Artery Disease. <i>PLoS ONE</i> , 2016, 11, e0162067.	2.5	7
44	Pancreatitis-associated pseudoaneurysm of the splenic artery presenting as lower gastrointestinal bleeding: treatment with transcatheter embolisation. <i>BMJ Case Reports</i> , 2012, 2012, bcr2012007403-bcr2012007403.	0.5	7
45	Popliteal artery entrapment presenting as acute limb ischemia: treatment with intra-arterial thrombolysis. Case report and review of the literature. <i>European Journal of Pediatrics</i> , 2012, 171, 1703-1706.	2.7	6
46	CT pulmonary angiography of adult pulmonary vascular diseases: Technical considerations and interpretive pitfalls. <i>European Journal of Radiology</i> , 2016, 85, 2049-2063.	2.6	6
47	Catheter-Directed Therapy for Pulmonary Embolism. <i>Interventional Cardiology Clinics</i> , 2018, 7, 81-90.	0.4	6
48	Post-procedural Care in Interventional Radiology: What Every Interventional Radiologist Should Know-Part II: Catheter Care and Management of Common Systemic Post-procedural Complications. <i>CardioVascular and Interventional Radiology</i> , 2017, 40, 1304-1320.	2.0	6
49	Extraction and Tracking of MRI Tagging Sheets Using a 3D Gabor Filter Bank. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	6
50	Intracranial hydatid cyst: imaging findings of a rare disease. <i>BMJ Case Reports</i> , 2016, 2016, bcr2016216570.	0.5	6
51	Calcaneal osteosarcoma: a rare cause of heel pain in the paediatric population. <i>BMJ Case Reports</i> , 2013, 2013, bcr2012008497-bcr2012008497.	0.5	5
52	Hybrid Deformable Models for Medical Segmentation and Registration. , 2006, , .		4
53	Non-tracking-based 2D strain estimation in tagged MRI. , 2008, , .		4
54	LV surface reconstruction from sparse tMRI using Laplacian Surface Deformation and Optimization. , 2009, , .		4

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55	Dyspnea and Chest Pain in a Young Woman Caused by a Giant Pericardial Lymphohemangioma: Diagnosis and Treatment. Canadian Journal of Cardiology, 2016, 32, 1260.e23-1260.e25.	1.7	4
56	A Survey of Submassive Pulmonary Embolism Treatment Preferences among Medical and Endovascular Physicians. Journal of Vascular and Interventional Radiology, 2017, 28, 1693-1699.e2.	0.5	4
57	Endovascular iliac vein reconstruction through an obstructive pelvic nodal recurrence of urothelial carcinoma. CVIR Endovascular, 2018, 1, 16.	1.1	4
58	Challenges in combining antiangiogenic therapy with transarterial chemoembolization for hepatocellular carcinoma. Gastrointestinal Cancer Research: GCR, 2014, 7, 98-102.	0.7	4
59	LEARNING METHODS IN SEGMENTATION OF CARDIAC TAGGED MRI. , 2007, , .		3
60	Don't forget to report "simple" finding on CT: the hypodense eye lens. European Journal of Pediatrics, 2013, 172, 131-132.	2.7	3
61	Left-sided appendicitis in children with congenital gastrointestinal malrotation: a diagnostic pitfall in the emergency department. BMJ Case Reports, 2013, 2013, bcr2013009474-bcr2013009474.	0.5	3
62	Stylus/tablet user input device for MRI heart wall segmentation: efficiency and ease of use. European Radiology, 2018, 28, 4586-4597.	4.5	3
63	3D cardiac motion tracking using Robust Point Matching and meshless deformable models. , 2008, , .		2
64	Computational Biomechanics for Medicine. , 2011, 2011, 143-155.		2
65	Two-dimensional XD-GRASP provides better image quality than conventional 2D cardiac cine MRI for patients who cannot suspend respiration. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 49-59.	2.0	2
66	How the Results of a Randomized Trial of Catheter-Directed Thrombolysis Versus Anticoagulation alone for Submassive Pulmonary Embolism Would Affect Patient and Physician Decision Making: Report of an Online Survey. Journal of Clinical Medicine, 2019, 8, 215.	2.4	2
67	Constrictive Pericarditis Caused by IgG4-Related Disease Requiring Pericardiectomy After Partial Response to Corticosteroids. JACC: Case Reports, 2020, 2, 1558-1563.	0.6	2
68	Isolated hepatic artery injury in blunt abdominal trauma presenting as upper gastrointestinal bleeding: treatment with transcatheter embolisation. BMJ Case Reports, 2012, 2012, bcr2012007464-bcr2012007464.	0.5	2
69	Principles of CT and MRI. , 0, , 1-16.		1
70	Can FFR Be Reliably Calculated From Cardiac Computed Tomography Without Consideration of Collateral Flow?. Journal of the American College of Cardiology, 2013, 62, 1912.	2.8	1
71	Papillary muscles analysis from high resolution CT using spatial-temporal skeleton extraction. , 2013, , .		1
72	Diastolic Dysfunction in Patients With Ischemic Symptoms Without Obstructive Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2014, 7, 420-421.	2.6	1

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73	Giant Cell Myocarditis: Not Always a Presentation of Cardiogenic Shock. Case Reports in Cardiology, 2015, 2015, 1-4.	0.2	1
74	Right ventricular undifferentiated pleomorphic sarcoma: A case report. Journal of Cardiology Cases, 2016, 13, 60-62.	0.5	1
75	Is Qualitative Cardiac Perfusion MRI "Good Enough"? JACC: Cardiovascular Imaging, 2018, 11, 719-721.	5.3	1
76	PHACES syndrome with ectopia cordis and hemihypertrophy. Baylor University Medical Center Proceedings, 2019, 32, 237-239.	0.5	1
77	A Descriptive Revenue Analysis of a Wound-Center IR Collaboration to Treat Lower Extremity Venous Ulcers. Journal of Vascular and Interventional Radiology, 2019, 30, 1988-1993.e1.	0.5	1
78	Magnetization-tagged MRI is a simple method for predicting liver fibrosis. Clinical and Molecular Hepatology, 2016, 22, 140-145.	8.9	1
79	Editorial. Medical Image Analysis, 2009, 13, 771-772.	11.6	0
80	Intracavitary "Fountains" in Left Ventricular Noncompaction. Journal of the American College of Cardiology, 2010, 56, e7.	2.8	0
81	Left endocardium segmentation using spatio-temporal Metamorphs. , 2012, , .		0
82	Preface. Medical Image Analysis, 2014, 18, 819.	11.6	0
83	Feasibility of intermittent pneumatic compression for venous thromboembolism prophylaxis during magnetic resonance imaging-guided interventions. European Journal of Radiology, 2015, 84, 668-670.	2.6	0
84	03:00 PM Abstract No. 325 Extra-hepatic response of primary and metastatic hepatic malignancy to Y90 radioembolization in the setting of immunotherapy. Journal of Vascular and Interventional Radiology, 2019, 30, S143-S144.	0.5	0
85	Abstract No. 706 Descriptive revenue analysis of 100 patients in an interventional oncology service line: understanding revenue sources in interventional radiology. Journal of Vascular and Interventional Radiology, 2020, 31, S304-S305.	0.5	0
86	Analysis of three-chamber view conventional and tagged cine MRI in patients with suspected hypertrophic cardiomyopathy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 613-626.	2.0	0
87	Revenue Sources in Interventional Radiology: A Revenue Analysis of an Interventional Oncology Service Line. Journal of Vascular and Interventional Radiology, 2021, 32, 929-931.	0.5	0
88	3:45 PM Abstract No. 242 Muscle mass on magnetic resonance imaging predicts hepatocellular carcinoma survival following Yttrium-90 radioembolization. Journal of Vascular and Interventional Radiology, 2020, 31, S109.	0.5	0
89	Abstract No. 634 Factors influencing time to inpatient procedure for an inpatient interventional radiology service. Journal of Vascular and Interventional Radiology, 2020, 31, S274-S275.	0.5	0
90	Abstract 14042: Weight Loss Favorably Impacts Left Ventricular Mass and Wall Thickness by CMR and CT in Patients With Hypertrophic Cardiomyopathy: A Retrospective Case Series. Circulation, 2020, 142, .	1.6	0

#	ARTICLE	IF	CITATIONS
91	A Segmentation and Tracking System for 4D Cardiac Tagged MR Images. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
92	Using Gabor Filter Banks and Temporal-Spatial Constraints to Compute 3D Myocardium Strain. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0