Ahmed M Gharib

List of Publications by Year
in descending order

82	3,690	186265 28	133252 59
papers	citations	h-index	g-index

82	82	82	5922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Native-resolution myocardial principal Eulerian strain mapping using convolutional neural networks and Tagged Magnetic Resonance Imaging. Computers in Biology and Medicine, 2022, 141, 105041.	7.0	2
2	Effect of a plant-based, low-fat diet versus an animal-based, ketogenic diet on ad libitum energy intake. Nature Medicine, 2021, 27, 344-353.	30.7	129
3	Proton MR Spectroscopy Measurements of White and Brown Adipose Tissue in Healthy Humans: Relaxation Parameters and Unsaturated Fatty Acids. Radiology, 2021, 299, 396-406.	7.3	13
4	Direct pixel to pixel principal strain mapping from tagging MRI using end to end deep convolutional neural network (DeepStrain). Scientific Reports, 2021, 11, 23021.	3.3	1
5	Triglyceride Paradox Is Related to Lipoprotein Size, Visceral Adiposity and Stearoyl-CoA Desaturase Activity in Black Versus White Women. Circulation Research, 2020, 126, 94-108.	4.5	18
6	Vitamin E treatment in NAFLD patients demonstrates that oxidative stress drives steatosis through upregulation of de-novo lipogenesis. Redox Biology, 2020, 37, 101710.	9.0	58
7	Leptin decreases de novo lipogenesis in patients with lipodystrophy. JCI Insight, 2020, 5, .	5.0	35
8	Sexual Dimorphism of Coronary Artery Disease in a Low- and Intermediate-Risk Asymptomatic Population: Association with Coronary Vessel Wall Thickness at MRI in Women. Radiology: Cardiothoracic Imaging, 2019, 1, e180007.	2.5	4
9	Early effects of roflumilast on insulin sensitivity in adults with prediabetes and overweight/obesity involve age-associated fat mass loss â€“ results of an exploratory study . Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2019, Volume 12, 743-759.	2.4	12
10	Ultra-Processed Diets Cause Excess Calorie Intake and Weight Gain: An Inpatient Randomized Controlled Trial of Ad Libitum Food Intake. Cell Metabolism, 2019, 30, 67-77.e3.	16.2	879
11	Postprandial Insulin Response and Clearance Among Black and White Women: The Federal Womenâ€™s Study. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 181-192.	3.6	26
12	Automatic Coronary Wall and Atherosclerotic Plaque Segmentation from 3D Coronary CT Angiography. Scientific Reports, 2019, 9, 47.	3.3	26
13	Challenges in Pulmonary Hypertension: Controversies in Treating the Tip of the Iceberg. A Joint National Institutes of Health Clinical Center and Pulmonary Hypertension Association Symposium Report. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 166-174.	5.6	17
14	Coronary calcification in adults with Turner syndrome. Genetics in Medicine, 2018, 20, 664-668.	2.4	17
15	Personalized Statin Therapy and Coronary Atherosclerotic Plaque Burden in Asymptomatic Low/Intermediate-Risk Individuals. CardioRenal Medicine, 2018, 8, 140-150.	1.9	3
16	Rheological determinants for simultaneous staging of hepatic fibrosis and inflammation in patients with chronic liver disease. NMR in Biomedicine, 2018, 31, e3956.	2.8	25
17	Correlative Detection of Isolated Single and Multi-Cellular Calcifications in the Internal Elastic Lamina of Human Coronary Artery Samples. Scientific Reports, 2018, 8, 10978.	3.3	4
18	Gluconeogenesis and risk for fasting hyperglycemia in Black and White women. JCI Insight, 2018, 3, .	5.0	29

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19	Metreleptin-mediated improvements in insulin sensitivity are independent of food intake in humans with lipodystrophy. Journal of Clinical Investigation, 2018, 128, 3504-3516.	8.2	74
20	Severe cardiac iron toxicity in two adults with sickle cell disease. Transfusion, 2017, 57, 700-704.	1.6	11
21	Coronary atherosclerosis and dilation in hyper IgE syndrome patients: Depiction by magnetic resonance vessel wall imaging and pathological correlation. Atherosclerosis, 2017, 258, 20-25.	0.8	18
22	How healthy are the â€œHealthy volunteersâ€? Penetrance of NAFLD in the biomedical research volunteer pool. Hepatology, 2017, 66, 825-833.	7.3	28
23	T-cell Activation and E-selectin Are Associated With Coronary Plaque in HIV-infected Young Adults. Pediatric Infectious Disease Journal, 2017, 36, 63-65.	2.0	6
24	Imaging Strategies for Localization of ACTH-Secreting Tumors. , 2017, , 137-148.		0
25	Imaging to End Points. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	0
26	Magnetic Resonance Elastography Shear Wave Velocity Correlates with Liver Fibrosis and Hepatic Venous Pressure Gradient in Adults with Advanced Liver Disease. BioMed Research International, 2017, 2017, 1-8.	1.9	29
27	Arterial Wall Stiffness and Atherogenesis in Human Coronaries. , 2017, , 193-213.		3
28	Simtuzumab treatment of advanced liver fibrosis in <scp>HIV</scp> and <scp>HCV</scp>â€infected adults: results of a 6â€month openâ€label safety trial. Liver International, 2016, 36, 1783-1792.	3.9	79
29	Assessment of liver fibrosis using fast strainâ€encoded MRI driven by inherent cardiac motion. Magnetic Resonance in Medicine, 2015, 74, 106-114.	3.0	10
30	Nonalcoholic Steatohepatitis and Hepatic Fibrosis in HIV-1-Monoinfected Adults With Elevated Aminotransferase Levels on Antiretroviral Therapy. Clinical Infectious Diseases, 2015, 60, 1569-78.	5.8	81
31	The relation between X chromosome parental origin and aortic stiffness in patients with Turnerâ€™s syndrome: role of hypertension and antihypertensive drugs. Clinical Endocrinology, 2015, 82, 156-157.	2.4	0
32	Myocardial Fat Accumulation Is Independent of Measures of Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3060-3068.	3.6	16
33	Tortuosity of Coronary Bifurcation as a Potential Local Risk Factor for Atherosclerosis: CFD Steady State Study Based on In Vivo Dynamic CT Measurements. Annals of Biomedical Engineering, 2015, 43, 82-93.	2.5	45
34	Increased Coronary Vessel Wall Thickness in HIV-Infected Young Adults. Clinical Infectious Diseases, 2014, 59, 1779-1786.	5.8	28
35	X chromosome parental origin and aortic stiffness in turner syndrome. Clinical Endocrinology, 2014, 81, 467-470.	2.4	11
36	Effects of mechanical properties and atherosclerotic artery size on biomechanical plaque disruption â€“ Mouse vs. human. Journal of Biomechanics, 2014, 47, 765-772.	2.1	14

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37	Biomechanics of Atherosclerotic Coronary Plaque: Site, Stability and In Vivo Elasticity Modeling. Annals of Biomedical Engineering, 2014, 42, 269-279.	2.5	36
38	Optimization of Free-Breathing Whole-Heart 3-Dimensional Cardiac Magnetic Resonance Imaging at 3 Tesla to Identify Coronary Vein Anatomy and to Compare With Multidetector Computed Tomography. Journal of Computer Assisted Tomography, 2014, 38, 941-948.	0.9	1
39	A pilot study of the effect of spironolactone therapy on exercise capacity and endothelial dysfunction in pulmonary arterial hypertension: study protocol for a randomized controlled trial. Trials, 2013, 14, 91.	1.6	26
40	Metabolic Effects of Chronic Cannabis Smoking. Diabetes Care, 2013, 36, 2415-2422.	8.6	123
41	Pulmonary vein morphology by freeâ€breathing whole heart magnetic resonance imaging at 3 tesla versus breathhold multiâ€detector computed tomography. Journal of Magnetic Resonance Imaging, 2013, 37, 846-852.	3.4	3
42	Parity and aortic dimensions in healthy women. International Journal of Cardiology, 2013, 165, 383-384.	1.7	16
43	Dominant gain-of-function STAT1 mutations in FOXP3 wild-type immune dysregulationâ€“polyendocrinopathyâ€“enteropathyâ€“X-linkedâ€“like syndrome. Journal of Allergy and Clinical Immunology, 2013, 131, 1611-1623.e3.	2.9	288
44	Feasibility of coronary artery wall thickening assessment in asymptomatic coronary artery disease using phase-sensitive dual-inversion recovery MRI at 3T. Magnetic Resonance Imaging, 2013, 31, 1051-1058.	1.8	5
45	The use of 14C-FIAU to predict bacterial thymidine kinase presence: Implications for radiolabeled FIAU bacterial imaging. Nuclear Medicine and Biology, 2013, 40, 638-642.	0.6	15
46	Hypercortisolism Is Associated With Increased Coronary Arterial Atherosclerosis: Analysis of Noninvasive Coronary Angiography Using Multidetector Computerized Tomography. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2045-2052.	3.6	77
47	Liver Metabolite Concentrations Measured with¹H MR Spectroscopy. Radiology, 2012, 265, 565-575.	7.3	38
48	Coronary Vessel Wall 3-T MR Imaging with Time-resolved Acquisition of Phase-Sensitive Dual Inversion-Recovery (TRAPD) Technique: Initial Results in Patients with Risk Factors for Coronary Artery Disease. Radiology, 2012, 265, 715-723.	7.3	15
49	The Feasibility of 350 Î¼m Spatial Resolution Coronary Magnetic Resonance Angiography at 3 T in Humans. Investigative Radiology, 2012, 47, 339-345.	6.2	19
50	N-terminal pro-brain natriuretic peptide levels and aortic diameters. American Heart Journal, 2012, 164, 419-424.	2.7	14
51	Outcomes of spontaneous and assisted pregnancies in Turner syndrome: the U.S. National Institutes of Health experience. Fertility and Sterility, 2011, 95, 2251-2256.	1.0	132
52	Noninvasive Coronary Imaging for Atherosclerosis in Human Immunodeficiency Virus Infection. Current Problems in Diagnostic Radiology, 2011, 40, 262-267.	1.4	4
53	Non-calcified coronary plaque volume inversely related to CD4+ T-cell count in HIV infection. Antiviral Therapy, 2011, 17, 763-767.	1.0	14
54	Free-Breathing Single Navigator Gated Cine Cardiac Magnetic Resonance at 3 T. Journal of Computer Assisted Tomography, 2011, 35, 382-386.	0.9	10

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55	Is arterial wall-strain stiffening an additional process responsible for atherosclerosis in coronary bifurcations?: an in vivo study based on dynamic CT and MRI. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1097-H1106.	3.2	42
56	Aneurysmal Dilatation of Medium Caliber Arteries in Turner Syndrome. Congenital Heart Disease, 2011, 6, 382-383.	0.2	9
57	Optimization of coronary whole-heart MRA free-breathing technique at 3 Tesla. Magnetic Resonance Imaging, 2011, 29, 1125-1130.	1.8	11
58	Coronary Artery Abnormalities in Hyper-IgE Syndrome. Journal of Clinical Immunology, 2011, 31, 338-345.	3.8	64
59	To resect or not to resect? That is the question. Gut, 2011, 60, 1177-1177.	12.1	0
60	High Rate of Coronary Artery Abnormalities in Adolescents and Young Adults Infected With Human Immunodeficiency Virus Early in Life. Pediatric Infectious Disease Journal, 2011, 30, 710-712.	2.0	27
61	High-Affinity Î±vÎ²3 Integrin Targeted Optical Probe as a New Imaging Biomarker for Early Atherosclerosis: Initial Studies in Watanabe Rabbits. Molecular Imaging and Biology, 2010, 12, 2-8.	2.6	14
62	Cardiovascular magnetic resonance at 3.0T: Current state of the art. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 55.	3.3	75
63	Utility of Various Functional and Anatomic Imaging Modalities for Detection of Ectopic Adrenocorticotropin-Secreting Tumors. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1207-1219.	3.6	83
64	Coronary Abnormalities in Hyper-IgE Recurrent Infection Syndrome: Depiction at Coronary MDCT Angiography. American Journal of Roentgenology, 2009, 193, W478-W481.	2.2	16
65	Vulnerable Atherosclerotic Plaque Elasticity Reconstruction Based on a Segmentation-Driven Optimization Procedure Using Strain Measurements: Theoretical Framework. IEEE Transactions on Medical Imaging, 2009, 28, 1126-1137.	8.9	72
66	Magnetic resonance elastography in the liver at 3 Tesla using a second harmonic approach. Magnetic Resonance in Medicine, 2009, 62, 284-291.	3.0	41
67	Profile order and timeâ€dependent artifacts in contrastâ€enhanced coronary MR angiography at 3T: Origin and prevention. Magnetic Resonance in Medicine, 2009, 62, 292-299.	3.0	9
68	Cardiac Magnetic Resonance at High Field: Promises and Problems. Current Problems in Diagnostic Radiology, 2008, 37, 49-56.	1.4	18
69	MR-guided catheter-based excitation emission optical spectroscopy for in vivo tissue characterization. Proceedings of SPIE, 2008, , .	0.8	0
70	Necrotic core thickness and positive arterial remodeling index: emergent biomechanical factors for evaluating the risk of plaque rupture. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H717-H727.	3.2	200
71	Coronary Artery Anomalies and Variants: Technical Feasibility of Assessment with Coronary MR Angiography at 3 T. Radiology, 2008, 247, 220-227.	7.3	66
72	Should all patients with suspected coronary artery disease undergo coronary angiography with 16-row MDCT?. Nature Clinical Practice Cardiovascular Medicine, 2007, 4, 74-75.	3.3	4

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73	Coronary MR angiography at 3T during diastole and systole. Journal of Magnetic Resonance Imaging, 2007, 26, 921-926.	3.4	40
74	Coronary artery aneurysms in patients with hyper IgE recurrent infection syndrome. Clinical Immunology, 2007, 122, 255-258.	3.2	63
75	Virtual Contrast for Coronary Vessels Based on Level Set Generated Subvoxel Accurate Centerlines. International Journal of Biomedical Imaging, 2006, 2006, 1-8.	3.9	4
76	B1-insensitiveT2 preparation for improved coronary magnetic resonance angiography at 3 T. Magnetic Resonance in Medicine, 2006, 55, 858-864.	3.0	145
77	An Interventional Magnetic Resonance Imaging Technique for the Molecular Characterization of Intraprostatic Dynamic Contrast Enhancement. Molecular Imaging, 2005, 4, 153535002005041.	1.4	14
78	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 1159-1170.	2.5	3
79	Molecular imaging of hepatocellular carcinoma. Gastroenterology, 2004, 127, S153-S158.	1.3	22
80	A Thoracic Spine Translation Injury with Lateral Facet Dislocation. American Journal of Roentgenology, 2002, 178, 1450-1450.	2.2	9
81	RADIOLOGY OF PNEUMONIA. Medical Clinics of North America, 2001, 85, 1461-1491.	2.5	52
82	Technical Advances and the Future Prospects of High Field Strength MRI. , 0, , 305-317.		0