

# Ziad A Ali

## List of Publications by Year in descending order

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107  
papers

4,638  
citations

136950  
32  
h-index

110387  
64  
g-index

111  
all docs

111  
docs citations

111  
times ranked

3726  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical coherence tomography compared with intravascular ultrasound and with angiography to guide coronary stent implantation (ILUMIEN III: OPTIMIZE PCI): a randomised controlled trial. <i>Lancet, The</i> , 2016, 388, 2618-2628.	13.7	473
2	Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. <i>European Heart Journal</i> , 2018, 39, 3281-3300.	2.2	431
3	Safety and Effectiveness of Coronary Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e008434.	3.9	234
4	Feasibility of Shockwave Coronary Intravascular Lithotripsy for the Treatment of Calcified Coronary Stenoses. <i>Circulation</i> , 2019, 139, 834-836.	1.6	226
5	Optical Coherence Tomography Characterization of Coronary Lithoplasty for Treatment of Calcified Lesions. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 897-906.	5.3	183
6	Coronary Optical Coherence Tomography and Cardiac Magnetic Resonance Imaging to Determine Underlying Causes of Myocardial Infarction With Nonobstructive Coronary Arteries in Women. <i>Circulation</i> , 2021, 143, 624-640.	1.6	180
7	2-year outcomes with the Absorb bioresorbable scaffold for treatment of coronary artery disease: a systematic review and meta-analysis of seven randomised trials with an individual patient data substudy. <i>Lancet, The</i> , 2017, 390, 760-772.	13.7	163
8	Comparison of Different Diastolic Resting $\Delta$ Indexes to iFR. <i>Journal of the American College of Cardiology</i> , 2017, 70, 3088-3096.	2.8	163
9	Imaging- and physiology-guided percutaneous coronary intervention without contrast administration in advanced renal failure: a feasibility, safety, and outcome study. <i>European Heart Journal</i> , 2016, 37, 3090-3095.	2.2	158
10	Blinded Physiological Assessment of Residual Ischemia After Successful Angiographic Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1991-2001.	2.9	147
11	Comparison of Stent Expansion Guided by Optical Coherence Tomography Versus Intravascular Ultrasound. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1704-1714.	2.9	146
12	Definitions and Clinical Trial Design Principles for Coronary Artery Chronic Total Occlusion Therapies: CTO-ARC Consensus Recommendations. <i>Circulation</i> , 2021, 143, 479-500.	1.6	132
13	Mortality after drug-eluting stents vs. coronary artery bypass grafting for left main coronary artery disease: a meta-analysis of randomized controlled trials. <i>European Heart Journal</i> , 2020, 41, 3228-3235.	2.2	119
14	Outcomes With the Use of the Retrograde Approach for Coronary Chronic Total Occlusion Interventions in a Contemporary Multicenter US Registry. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, .	3.9	94
15	Intracoronary Optical Coherence Tomography 2018. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 2473-2487.	2.9	88
16	Principles of Intravascular Lithotripsy for Calcific Plaque Modification. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1275-1292.	2.9	76
17	Time-Varying Outcomes With the Absorb Bioresorbable Vascular Scaffold During 5-Year Follow-up. <i>JAMA Cardiology</i> , 2019, 4, 1261.	6.1	71
18	Intravascular lithotripsy for calcific coronary and peripheral artery stenoses. <i>EuroIntervention</i> , 2019, 15, 714-721.	3.2	68

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19	Intravascular Lithotripsy for Treatment of Calcified Coronary Lesions. JACC: Cardiovascular Interventions, 2021, 14, 1337-1348.	2.9	66
20	Diagnosis and Management of Cardiovascular Disease in Advanced and End-Stage Renal Disease. Journal of the American Heart Association, 2016, 5, .	3.7	65
21	Mechanisms of Orbital Versus Rotational Atherectomy Plaque Modification in Severely Calcified Lesions Assessed by Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2017, 10, 2584-2586.	2.9	60
22	Intracoronary optical coherence tomography: state of the art and future directions. EuroIntervention, 2021, 17, e105-e123.	3.2	55
23	The effectiveness of excimer laser angioplasty to treat coronary in-stent restenosis with peri-stent calcium as assessed by optical coherence tomography. EuroIntervention, 2019, 15, e279-e288.	3.2	55
24	Intravascular Ultrasound-Derived Calcium Score to Predict Stent Expansion in Severely Calcified Lesions. Circulation: Cardiovascular Interventions, 2021, 14, e010296.	3.9	54
25	Predictors of Calcium Fracture Derived From Balloon Angioplasty and its Effect on Stent Expansion Assessed by Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2018, 11, 1015-1017.	2.9	49
26	Attenuation of the unfolded protein response and endoplasmic reticulum stress after mechanical unloading in dilated cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H459-H470.	3.2	47
27	Characteristics of early versus late in-stent restenosis in second-generation drug-eluting stents: an optical coherence tomography study. EuroIntervention, 2017, 13, 294-302.	3.2	46
28	Calcific Plaque Modification by Acoustic Shock Waves. Circulation: Cardiovascular Interventions, 2021, 14, e009354.	3.9	42
29	Intravascular lithotripsy for treatment of stent underexpansion secondary to severe coronary calcification. European Heart Journal, 2020, 41, 485-486.	2.2	40
30	Histopathological Evidence of Adventitial or Medial Injury Is a Strong Predictor of Restenosis During Directional Atherectomy for Peripheral Artery Disease. Journal of Endovascular Therapy, 2015, 22, 712-715.	1.5	39
31	1-Year Outcomes of Blinded Physiological Assessment of Residual Ischemia After Successful PCI. JACC: Cardiovascular Interventions, 2022, 15, 52-61.	2.9	35
32	Guiding Light. JACC: Cardiovascular Interventions, 2016, 9, 2362-2363.	2.9	33
33	Optical coherence tomography-guided percutaneous coronary intervention in pre-terminal chronic kidney disease with no radio-contrast administration. European Heart Journal, 2016, 37, 1059-1059.	2.2	33
34	Cardiac allograft vasculopathy: A review. Catheterization and Cardiovascular Interventions, 2018, 92, E527-E536.	1.7	33
35	Time Delay, Infarct Size, and Microvascular Obstruction After Primary Percutaneous Coronary Intervention for ST-Segment Elevation Myocardial Infarction. Circulation: Cardiovascular Interventions, 2021, 14, e009879.	3.9	33
36	The relationship among extent of lipid-rich plaque, lesion characteristics, and plaque progression/regression in patients with coronary artery disease: a serial near-infrared spectroscopy and intravascular ultrasound study. European Heart Journal Cardiovascular Imaging, 2015, 16, 81-87.	1.2	32

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37	Long-Term Clinical Impact of Contrast-Associated Acute Kidney Injury Following PCI. JACC: Cardiovascular Interventions, 2022, 15, 753-766.	2.9	31
38	Zero-contrast percutaneous coronary intervention on calcified lesions facilitated by rotational atherectomy. Catheterization and Cardiovascular Interventions, 2017, 90, E85-E89.	1.7	28
39	Incidence and predictors of target lesion failure in patients undergoing contemporary DES implantation—Individual patient data pooled analysis from 6 randomized controlled trials. American Heart Journal, 2019, 213, 105-111.	2.7	27
40	Real world validation of the nonhyperemic index of coronary artery stenosis severity—Resting full-cycle ratio—REVALIDATE. Catheterization and Cardiovascular Interventions, 2020, 96, E53-E58.	1.7	25
41	Imaging Comparisons of Coregistered Native and Stented Coronary Segments by High-Definition 60-MHz Intravascular Ultrasound and Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2016, 9, 1305-1306.	2.9	23
42	Redox regulation of vascular remodeling. Cellular and Molecular Life Sciences, 2016, 73, 349-363.	5.4	23
43	Neoatherosclerosis assessed with optical coherence tomography in restenotic bare metal and first- and second-generation drug-eluting stents. International Journal of Cardiovascular Imaging, 2017, 33, 1115-1124.	1.5	22
44	Algorithmic Approach for Optical Coherence Tomography—Guided Stent Implantation During Percutaneous Coronary Intervention. Interventional Cardiology Clinics, 2018, 7, 329-344.	0.4	21
45	Coronary Plaque Characteristics in Hemodialysis-Dependent Patients as Assessed by Optical Coherence Tomography. American Journal of Cardiology, 2017, 119, 1313-1319.	1.6	19
46	Outcomes of retrograde chronic total occlusion percutaneous coronary intervention: A report from the OPEN-CTO registry. Catheterization and Cardiovascular Interventions, 2021, 97, 1162-1173.	1.7	19
47	Improving PCI Outcomes Using Postprocedural Physiology and Intravascular Imaging. JACC: Cardiovascular Interventions, 2021, 14, 2415-2430.	2.9	19
48	Novel Micro Crown Orbital Atherectomy for Severe Lesion Calcification. Circulation: Cardiovascular Interventions, 2020, 13, e008993.	3.9	18
49	Therapeutic Approach to Calcified Coronary Lesions: Disruptive Technologies. Current Cardiology Reports, 2021, 23, 33.	2.9	18
50	Tetrahydrobiopterin Determines Vascular Remodeling Through Enhanced Endothelial Cell Survival and Regeneration. Circulation, 2013, 128, S50-S58.	1.6	17
51	Comparison Between Cardiac Allograft Vasculopathy and Native Coronary Atherosclerosis by Optical Coherence Tomography. American Journal of Cardiology, 2016, 117, 1361-1368.	1.6	17
52	Long-Term Outcomes After Revascularization for Stable Ischemic Heart Disease. Circulation: Cardiovascular Interventions, 2020, 13, e008565.	3.9	17
53	Standardizing the Definition and Analysis Methodology for Complete Coronary Artery Revascularization. Journal of the American Heart Association, 2021, 10, e020110.	3.7	16
54	Rat model of veno-arterial extracorporeal membrane oxygenation. Journal of Translational Medicine, 2014, 12, 37.	4.4	15

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55	Effect of orbital atherectomy in calcified coronary artery lesions as assessed by optical coherence tomography. Catheterization and Cardiovascular Interventions, 2019, 93, 1211-1218.	1.7	15
56	Relation of Coronary Flow Reserve to Other Findings on Positron Emission Tomography Myocardial Perfusion Imaging and Left Heart Catheterization in Patients With End-stage Renal Disease Being Evaluated for Kidney Transplant. American Journal of Cardiology, 2017, 120, 1909-1912.	1.6	14
57	External elastic lamina vs. luminal diameter measurement for determining stent diameter by optical coherence tomography: an ILUMIEN III substudy. European Heart Journal Cardiovascular Imaging, 2021, 22, 753-759.	1.2	13
58	Impact of Major Bleeding on Long-Term Mortality in Anemic Versus Nonanemic Patients Undergoing Percutaneous Coronary Intervention Using Bivalirudin. American Journal of Cardiology, 2014, 113, 1481-1486.	1.6	12
59	Utility of intracoronary imaging in the cardiac catheterization laboratory: comprehensive evaluation with intravascular ultrasound and optical coherence tomography. British Medical Bulletin, 2018, 125, 79-90.	6.9	12
60	Assessment and management of coronary artery disease in kidney and pancreas transplant candidates. Journal of Cardiovascular Medicine, 2019, 20, 51-58.	1.5	12
61	A prospective, single-center, randomized study to assess whether automated coregistration of optical coherence tomography with angiography can reduce geographic miss. Catheterization and Cardiovascular Interventions, 2019, 93, 411-418.	1.7	12
62	Long-term Outcomes of Transcatheter Aortic Valve Replacement in Patients With End-stage Renal Disease. Journal of the American Heart Association, 2021, 10, e019930.	3.7	12
63	Shining light on calcified lesions, plaque stabilisation and physiologic significance: new insights from intracoronary OCT. EuroIntervention, 2018, 13, 2105-2108.	3.2	11
64	Intraluminal bioresorbable vascular scaffold dismantling with aneurysm formation leading to very late thrombosis. Catheterization and Cardiovascular Interventions, 2017, 89, 876-879.	1.7	10
65	The Outcomes of Percutaneous Revascularization for Management of Surgically Ineligible Patients With Multivessel or Left Main Coronary Artery Disease (OPTIMUM) Registry: Rationale and Design. Cardiovascular Revascularization Medicine, 2022, 41, 83-91.	0.8	10
66	Percutaneous Coronary Intervention With Bioresorbable Scaffolds in a Young Child. JAMA Cardiology, 2017, 2, 430.	6.1	9
67	Prospective Comparison Between Saline and Radiocontrast for Intracoronary Imaging With Optical Coherence Tomography. JACC: Cardiovascular Imaging, 2020, 13, 2060-2062.	5.3	9
68	Transcatheter Left Atrial Appendage Closure Using Preprocedural Computed Tomography and Intraprocedural 4-Dimensional Intracardiac Echocardiography. Circulation: Cardiovascular Interventions, 2021, 14, e010686.	3.9	9
69	Novel Receptor for Advanced Glycation End Products-Blocking Antibody to Treat Diabetic Peripheral Artery Disease. Journal of the American Heart Association, 2021, 10, e016696.	3.7	9
70	TCT-236 Effects of Orbital Versus Rotational Atherectomy Facilitated PCI on the Coronary Microcirculation. Journal of the American College of Cardiology, 2016, 68, B96.	2.8	8
71	Utility of near-infrared spectroscopy for detection of thin-cap neoatherosclerosis. European Heart Journal Cardiovascular Imaging, 2017, 18, 663-669.	1.2	8
72	Imaging-guided pre-dilatation, stenting, post-dilatation: a protocolized approach highlighting the importance of intravascular imaging for implantation of bioresorbable scaffolds. Expert Review of Cardiovascular Therapy, 2018, 16, 431-440.	1.5	8

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73	Shedding blood: anemia and adverse events after percutaneous coronary intervention (PCI). Journal of Thoracic Disease, 2016, 8, 303-306.	1.4	7
74	Improvement in left ventricular function following higher-risk percutaneous coronary intervention in patients with ischemic cardiomyopathy. Catheterization and Cardiovascular Interventions, 2020, 96, 764-770.	1.7	7
75	Three-year survival of transcatheter versus surgical aortic valve replacement in dialysis. Catheterization and Cardiovascular Interventions, 2022, 99, 1206-1213.	1.7	7
76	Imaging and Physiology to Guide Venous Graft Interventions Without Contrast Administration in Advanced Renal Failure. Journal of Invasive Cardiology, 2017, 29, E163-E165.	0.4	6
77	Effect of Lesion Age on Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention: Insights From a Contemporary US Multicenter Registry. Canadian Journal of Cardiology, 2016, 32, 1433-1439.	1.7	5
78	Intravascular Ultrasound Is an Effective Tool for Predicting Histopathology-Confirmed Evidence of Adventitial Injury Following Directional Atherectomy for the Treatment of Peripheral Artery Disease. Journal of Endovascular Therapy, 2016, 23, 672-673.	1.5	5
79	Covering our tracks – optical coherence tomography to assess vascular healing. EuroIntervention, 2018, 14, e1247-e1251.	3.2	5
80	Predictors of Outcome in the ISCHEMIA-CKD Trial: Anatomy versus Ischemia. American Heart Journal, 2021, 243, 187-200.	2.7	4
81	Update on Intracoronary Optical Coherence Tomography: a Review of Current Concepts. Current Cardiovascular Imaging Reports, 2016, 9, 1.	0.6	3
82	IVUS- Versus OCT-Guided Coronary Stent Implantation: a Comparison of Intravascular Imaging for Stent Optimization. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.6	3
83	Outcomes of Percutaneous Coronary Intervention and Coronary Artery Bypass Graft Surgery for Multivessel Coronary Artery Disease. JAMA Cardiology, 2019, 4, 507.	6.1	3
84	Preoperative Noncoronary Cardiovascular Assessment and Management of Kidney Transplant Candidates. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 1670-1676.	4.5	3
85	Outcomes of the Tryton-dedicated bifurcation stent for the treatment of true coronary bifurcations: Individual-patient-data pooled analysis. Catheterization and Cardiovascular Interventions, 2019, 93, 1255-1261.	1.7	3
86	Lipid-rich plaques detected by near-infrared spectroscopy predict coronary events irrespective of age: A Lipid Rich Plaque sub-study. Atherosclerosis, 2021, 334, 17-22.	0.8	3
87	VEGF receptor targeted imaging of angiogenic response to limb ischemia in diabetic vs. non-diabetic Yucatan minipigs. EJNMMI Research, 2020, 10, 48.	2.5	3
88	Sex-Specific Outcomes After Coronary Intravascular Lithotripsy: A Patient-Level Analysis of the Disrupt CAD Studies. , 2022, 1, 100011.		3
89	Calcific Plaque Modification by Acoustic Shockwaves: Intravascular Lithotripsy in Cardiovascular Interventions. Current Cardiology Reports, 2022, 24, 519-528.	2.9	3
90	The Next Regeneration: Identifying Cardiac Regeneration – Inducing MicroRNAs Using Functional Screening. Circulation: Cardiovascular Genetics, 2013, 6, 135-136.	5.1	2

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91	Using sound advice“intravascular ultrasound as a diagnostic tool. Journal of Thoracic Disease, 2016, 8, E1395-E1397.	1.4	2
92	The science of stents: angioplasty turns 40. Cardiovascular Research, 2017, 113, e35-e37.	3.8	2
93	TCT-51 IVUS Predictors of Stent Expansion in Severely CalcifiedLesions. Journal of the American College of Cardiology, 2019, 74, B51.	2.8	2
94	Intravascular Ultrasound in Chronic Total Occlusion Percutaneous Coronary Intervention. Interventional Cardiology Clinics, 2021, 10, 75-85.	0.4	2
95	Coronary plaque redistribution after stent implantation is determined by lipid composition: A NIRS-IVUS analysis. Cardiology Journal, 2020, 27, 238-245.	1.2	2
96	Reasons for lesion uncrossability as assessed by intravascular ultrasound. Catheterization and Cardiovascular Interventions, 2022, , .	1.7	2
97	Strategies for Renal Protection in Cardiovascular Interventions. Korean Circulation Journal, 2022, 52, 485.	1.9	2
98	A case of on-line software-based co-registration of optical coherence tomography and angiography guided percutaneous coronary intervention for a patient with angina pectoris. International Journal of Cardiology, 2015, 201, 484-486.	1.7	1
99	BRIGHT HORIZONS for Bivalirudin? EUROMAXimizing benefits of bleeding risk but catching a MATRIX of HEAT for stent thrombosis. Indian Heart Journal, 2015, 67, 293-294.	0.5	1
100	Imaging Comparison of a Bioresorbable Vascular Scaffold by High-Frequency Intravascular Ultrasound and Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2015, 8, e187-e188.	2.9	1
101	“The scaffolding must be removed once the house is built“spontaneous coronary artery dissection and the potential of bioresorbable scaffolds. Journal of Thoracic Disease, 2016, 8, E1398-E1403.	1.4	1
102	Direct Stenting in Patients Treated with Orbital Atherectomy: An ORBIT II Subanalysis. Cardiovascular Revascularization Medicine, 2019, 20, 454-460.	0.8	1
103	Zero-Contrast Multivessel Revascularization for Acute Coronary Syndrome in a Patient With Chronic Kidney Disease. JACC: Case Reports, 2019, 1, 774-780.	0.6	1
104	Acoustic shock waves to modify calcific plaques “ Intravascular lithotripsy in the peripheral circulation. Cardiovascular Revascularization Medicine, 2021, , .	0.8	1
105	Bilateral Embolic Protection Devices for High-Risk Cardiac Surgery in a Patient With Recent Embolic Stroke. Circulation: Cardiovascular Interventions, 2014, 7, 414-416.	3.9	0
106	Going Against the Flow. Circulation: Cardiovascular Interventions, 2018, 11, e007010.	3.9	0
107	Role of Intracoronary Imaging in Acute Coronary Syndromes. US Cardiology Review, 0, 16, .	0.5	0