

Zoltan Ruzsa

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,732
citations

361413

20
h-index

315739

38
g-index

86
all docs

86
docs citations

86
times ranked

2296
citing authors

#	ARTICLE	IF	CITATIONS
1	Guided de-escalation of antiplatelet treatment in patients with acute coronary syndrome undergoing percutaneous coronary intervention (TROPICAL-ACS): a randomised, open-label, multicentre trial. <i>Lancet</i> , The, 2017, 390, 1747-1757.	13.7	443
2	A randomised comparison of transradial and transfemoral approach for carotid artery stenting: RADCAR (RADial access for CARotid artery stenting) study. <i>EuroIntervention</i> , 2014, 10, 381-391.	3.2	108
3	Drug-Coated Balloon Treatment of Femoropopliteal Lesions for Patients With Intermittent Claudication and Ischemic Rest Pain. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 945-953.	2.9	71
4	Hypercholesterolemia Attenuates the Anti-ischemic Effect of Preconditioning During Coronary Angioplasty. <i>Chest</i> , 2005, 128, 1623-1628.	0.8	64
5	Report on initial experience with transradial access for carotid artery stenting. <i>Journal of Vascular Surgery</i> , 2007, 45, 1136-1141.	1.1	52
6	Distal Versus Conventional Radial Access for Coronary Angiography and Intervention. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 1191-1201.	2.9	49
7	Transpedal access after failed antegrade recanalization of complex below-the-knee and femoropopliteal occlusions in critical limb ischemia. <i>Catheterization and Cardiovascular Interventions</i> , 2014, 83, 997-1007.	1.7	47
8	Platelet reactivity and clinical outcomes in acute coronary syndrome patients treated with prasugrel and clopidogrel: a pre-specified exploratory analysis from the TROPICAL-ACS trial. <i>European Heart Journal</i> , 2019, 40, 1942-1951.	2.2	41
9	COVLIAS 1.0: Lung Segmentation in COVID-19 Computed Tomography Scans Using Hybrid Deep Learning Artificial Intelligence Models. <i>Diagnostics</i> , 2021, 11, 1405.	2.6	38
10	Antegrade recanalisation of the radial artery followed by transradial angioplasty. <i>Cardiovascular Revascularization Medicine</i> , 2010, 11, 266.e1-266.e4.	0.8	34
11	Eight pruning deep learning models for low storage and high-speed COVID-19 computed tomography lung segmentation and heatmap-based lesion localization: A multicenter study using COVLIAS 2.0. <i>Computers in Biology and Medicine</i> , 2022, 146, 105571.	7.0	30
12	In vivo MRI and ex vivo histological assessment of the cardioprotection induced by ischemic preconditioning, postconditioning and remote conditioning in a closed-chest porcine model of reperfused acute myocardial infarction: importance of microvasculature. <i>Journal of Translational Medicine</i> , 2017, 15, 67.	4.4	29
13	A Review on Joint Carotid Intima-Media Thickness and Plaque Area Measurement in Ultrasound for Cardiovascular/Stroke Risk Monitoring: Artificial Intelligence Framework. <i>Journal of Digital Imaging</i> , 2021, 34, 581-604.	2.9	29
14	Low-cost preventive screening using carotid ultrasound in patients with diabetes. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 1132-1171.	3.0	29
15	Clinical predictors of mortality following rotational atherectomy and stent implantation in high-risk patients: A single center experience. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 86, 634-641.	1.7	26
16	Rotational atherectomy of undilatable coronary stents: stentablation, a clinical perspective and recommendation. <i>EuroIntervention</i> , 2016, 12, e632-e635.	3.2	26
17	Transradial left gastric artery embolization to treat severe obesity: A pilot study. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 365-370.	1.7	25
18	COVLIAS 2.0-cXAI: Cloud-Based Explainable Deep Learning System for COVID-19 Lesion Localization in Computed Tomography Scans. <i>Diagnostics</i> , 2022, 12, 1482.	2.6	23

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19	Combined Transradial and Transpedal Approach for Femoral Artery Interventions. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1062-1071.	2.9	22
20	Five-year experience with transradial coronary angioplasty in ST-segment-elevation myocardial infarction. <i>Cardiovascular Revascularization Medicine</i> , 2009, 10, 73-79.	0.8	21
21	Transradial access for renal artery intervention. <i>Interventional Medicine & Applied Science</i> , 2014, 6, 97-103.	0.2	21
22	Transradial and transulnar access for iliac artery interventions using sheathless guiding systems: A feasibility study. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 88, 923-931.	1.7	20
23	Inter-Variability Study of COVLIAS 1.0: Hybrid Deep Learning Models for COVID-19 Lung Segmentation in Computed Tomography. <i>Diagnostics</i> , 2021, 11, 2025.	2.6	20
24	A Powerful Paradigm for Cardiovascular Risk Stratification Using Multiclass, Multi-Label, and Ensemble-Based Machine Learning Paradigms: A Narrative Review. <i>Diagnostics</i> , 2022, 12, 722.	2.6	20
25	Impact of Center Experience on Patient Radiation Exposure During Transradial Coronary Angiography and Percutaneous Intervention: A Patient-Level, International, Collaborative, Multi-Center Analysis. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	19
26	Cardiovascular disease detection using machine learning and carotid/femoral arterial imaging frameworks in rheumatoid arthritis patients. <i>Rheumatology International</i> , 2022, 42, 215-239.	3.0	18
27	Kinetic Imaging in Lower Extremity Arteriography: Comparison to Digital Subtraction Angiography. <i>Radiology</i> , 2019, 290, 246-253.	7.3	17
28	Distal Radial Artery Access for Superficial Femoral Artery Interventions. <i>Journal of Endovascular Therapy</i> , 2021, 28, 255-261.	1.5	17
29	Impact of Diabetes Mellitus on Early Clinical Outcome and Stent Restenosis after Carotid Artery Stenting. <i>Journal of Diabetes Research</i> , 2022, 2022, 1-7.	2.3	17
30	Surgical Turned-Down CHIP Cases—Can PCI Save the Day?. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 872398.	2.4	16
31	Distal Radial Artery Access for Coronary and Peripheral Procedures: A Multicenter Experience. <i>Journal of Clinical Medicine</i> , 2021, 10, 5974.	2.4	16
32	Radial Artery Calcification in Predicting Coronary Calcification and Atherosclerosis Burden. <i>Cardiology Research and Practice</i> , 2022, 2022, 1-8.	1.1	16
33	Transradial versus tibiopedal access approach for endovascular intervention of superficial femoral artery chronic total occlusion. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 1338-1344.	1.7	15
34	Feasibility of distal radial access for carotid interventions: the RADCAR-DISTAL pilot study. <i>EuroIntervention</i> , 2020, 15, 1288-1290.	3.2	15
35	Distal Radial Secondary Access for Transcatheter Aortic Valve Implantation: The Minimalistic Approach. <i>Cardiovascular Revascularization Medicine</i> , 2022, 40, 152-157.	0.8	15
36	COVLIAS 1.0 vs. MedSeg: Artificial Intelligence-Based Comparative Study for Automated COVID-19 Computed Tomography Lung Segmentation in Italian and Croatian Cohorts. <i>Diagnostics</i> , 2021, 11, 2367.	2.6	15

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37	Culotte stenting with bioabsorbable everolimus-eluting stents. <i>International Journal of Cardiology</i> , 2013, 168, e35-e37.	1.7	14
38	Successful infliximab treatment in a patient with Takayasu arteritis associated with ulcerative colitis or migration does not override genetics. <i>Inflammatory Bowel Diseases</i> , 2011, 17, E69-E70.	1.9	13
39	Frequency of Miscarriage/Stillbirth and Terminations of Pregnancy Among Women With Congenital Heart Disease in Germany, Hungary and Japan. <i>Circulation Journal</i> , 2016, 80, 1846-1851.	1.6	13
40	Distal versus conventional radial access for coronary angiography and intervention: Design and rationale of DISCO RADIAL study. <i>American Heart Journal</i> , 2022, 244, 19-30.	2.7	13
41	Switching From Proximal to Distal Radial Artery Access for Coronary Chronic Total Occlusion Recanalization. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	2.4	13
42	Retrograde subintimal recanalization of a radial artery occlusion after coronary angiography using the palmar loop technique. <i>Cardiovascular Revascularization Medicine</i> , 2015, 16, 259-261.	0.8	12
43	Comparison of Platelet Function Guided Versus Unguided Treatment With P2Y12 Inhibitors in Patients With Acute Myocardial Infarction (from the Hungarian Myocardial Infarction Registry). <i>American Journal of Cardiology</i> , 2018, 121, 1129-1137.	1.6	11
44	Acute, total occlusion of the left main stem: coronary intervention options, outcomes, and recommendations. <i>Postepy W Kardiologii Interwencyjnej</i> , 2018, 14, 233-239.	0.2	11
45	Gender differences and long-term clinical outcomes in patients with chronic total occlusions of infrainguinal lower limb arteries treated from retrograde access with peripheral vascular interventions. <i>Advances in Medical Sciences</i> , 2020, 65, 197-201.	2.1	11
46	Short- and long-term results with a percutaneous treatment in critical hand ischaemia. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 1301-1310.	1.7	10
47	Underuse of coronary intervention and its impact on mortality in the elderly with myocardial infarction. A propensity-matched analysis from the Hungarian Myocardial Infarction Registry. <i>International Journal of Cardiology</i> , 2016, 214, 485-490.	1.7	9
48	Fractional flow reserve in below the knee arteries with critical limb ischemia and validation against gold-standard morphologic, functional measures and long term clinical outcomes. <i>Cardiovascular Revascularization Medicine</i> , 2018, 19, 175-181.	0.8	9
49	Bench test and in vivo evaluation of longitudinal stent deformation during proximal optimisation. <i>EuroIntervention</i> , 2022, 18, 83-90.	3.2	9
50	Catheter-induced Brachial Artery Dissection during Transradial Angioplasty. <i>Journal of Vascular Access</i> , 2013, 14, 392-393.	0.9	8
51	Transradial/Transbrachial Carotid Artery Stenting With Proximal or Distal Protection. <i>Journal of Endovascular Therapy</i> , 2016, 23, 561-565.	1.5	8
52	Impact of Coronary Artery Disease and Diabetes Mellitus on the Long-Term Follow-Up in Patients after Retrograde Recanalization of the Femoropopliteal Arterial Region. <i>Journal of Diabetes Research</i> , 2019, 1-6.	2.3	8
53	A novel fiber-optic based 0.014 \times 3 pressure wire: Designs of the OptoWire [®] , development phases, and the O ₂ first-in-man results. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 59-67.	1.7	7
54	Initial evidence of a 50% reduction of contrast media using digital variance angiography in endovascular carotid interventions. <i>European Journal of Radiology Open</i> , 2020, 7, 100288.	1.6	7

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55	Deep Learning Paradigm for Cardiovascular Disease/Stroke Risk Stratification in Parkinson's Disease Affected by COVID-19: A Narrative Review. <i>Diagnostics</i> , 2022, 12, 1543.	2.6	7
56	Anatomical Assessment vs. Pullback Resting full-cycle Ratio (RFR) Measurement for Evaluation of Focal and Diffuse Coronary Disease: Rationale and Design of the 'READY Register'. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 784220.	2.4	5
57	Angiographically borderline left main coronary artery lesions: correlation of transthoracic doppler echocardiography and intravascular ultrasound: a pilot study. <i>Cardiovascular Ultrasound</i> , 2011, 9, 19.	1.6	4
58	Retrograde transpedal stenting of the tibioperoneal trunk in critical limb ischemia. <i>Catheterization and Cardiovascular Interventions</i> , 2012, 80, 1105-1111.	1.7	4
59	Anti-cancer drugs-induced arterial injury: risk stratification, prevention, and treatment. <i>Medical Oncology</i> , 2019, 36, 72.	2.5	4
60	TRIACCESS Study: Randomized Comparison Between Radial, Femoral, and Pedal Access for Percutaneous Femoro-popliteal Artery Angioplasty. <i>Journal of Endovascular Therapy</i> , 2022, 29, 215-225.	1.5	4
61	Same-Day Discharge After Transradial Percutaneous Coronary Intervention and Carotid Stenting in a Single Session. <i>Canadian Journal of Cardiology</i> , 2017, 33, 830.e1-830.e3.	1.7	3
62	Functional hemodynamics assessment during endovascular Tibio-pedal retrograde intervention of peripheral arterial disease. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 94, 256-263.	1.7	3
63	Direct transpedal pressure measurement during transpedal below-the-knee interventions in critical limb ischemia. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, 904-912.	1.7	3
64	Superficial temporal artery access for percutaneous coronary artery stenting during the COVID-19 pandemic: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytaa520.	0.6	3
65	Impact of Clinical and Morphological Factors on Long-Term Mortality in Patients with Myocardial Bridge. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 129.	1.6	3
66	Radial Approach for Left Gastric Artery Angiography and Embolization for the Treatment of Obesity: Technical Considerations. <i>Cardiovascular Revascularization Medicine</i> , 2020, 21, 222-226.	0.8	2
67	Body mass index and long-term outcomes in patients with chronic total occlusions undergoing retrograde endovascular revascularization of the infra-inguinal lower limb arteries. <i>Cardiology Journal</i> , 2021, 28, 509-518.	1.2	2
68	Catheter directed thrombolytic therapy and aspiration thrombectomy in intermediate pulmonary embolism with long term results. <i>Cardiology Journal</i> , 2020, 27, 368-375.	1.2	2
69	Safety and feasibility of transradial aortic valve valvuloplasty (TRAV study). <i>Postępy W Kardiologii Interwencyjnej</i> , 2021, 17, 381-388.	0.2	2
70	A case report of COVID-19-associated acute hand ischaemia in a young professional volleyball player. <i>European Heart Journal - Case Reports</i> , 2022, 6, ytac099.	0.6	2
71	Long-term Clinical Follow-up after Drug-eluting Stent Implantation for Bare Metal In-stent Restenosis. <i>Journal of Interventional Cardiology</i> , 2013, 26, 271-277.	1.2	1
72	Allen's test in patients with peripheral artery disease. <i>Open Medicine (Poland)</i> , 2014, 9, 34-39.	1.3	1

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73	Fractional flow reserve guided stenting of a myocardial bridge. <i>Anatolian Journal of Cardiology</i> , 2017, 17, 251-252.	0.9	1
74	Predictors of mortality and outcomes after retrograde endovascular angioplasty in patients with peripheral artery disease. <i>Postępy W Kardiologii Interwencyjnej</i> , 2019, 15, 234-239.	0.2	1
75	Rational and design of the INtentional COronary revascularization versus conservative therapy in patients undergoing successful peripheRAL arTEry revascularization due to critical limb ischemia trial (INCORPORATE trial). <i>American Heart Journal</i> , 2019, 214, 107-112.	2.7	1
76	Finding the optimal access for proximal upper limb artery (PULA) interventions: Lessons learned from the <scp>PULA</scp> multicenter registry. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, 1375-1382.	1.7	1
77	Successful removal of entrapped Burr with sheathless guiding during stent rotablation. <i>Anatolian Journal of Cardiology</i> , 2017, 17, 156-157.	0.9	1
78	Catheter directed thrombolytic therapy and aspiration thrombectomy in intermediate pulmonary embolism with long term results. <i>Cardiology Journal</i> , 2020, 27, 368-375.	1.2	1
79	Hemostatic Patch for Accelerated Hemostasis After Transradial Procedures. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 820-822.	2.9	1
80	Stent thrombosis due to stent fracture in heavily calcified right coronary artery. <i>Cor Et Vasa</i> , 2013, 55, e147-e150.	0.1	0
81	Transradial Intravascular Ultrasound Guided Culotte Stenting with Zotarolimus Eluting Coronary Stents in Renal Artery Bifurcation Stenosis. <i>EJVES Short Reports</i> , 2015, 29, 21-24.	0.7	0
82	Transradial access for carotid artery interventions. <i>Journal of Indian College of Cardiology</i> , 2017, 7, S8-S15.	0.1	0
83	Reply. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1787-1789.	2.9	0
84	Additional help to diagnose functionally significant left main coronary artery stenosis: doppler echocardiography. <i>Hellenic Journal of Cardiology</i> , 2010, 51, 540-3.	1.0	0
85	Distal radial access: No pain, no gain. <i>Kardiologia Polska</i> , 2022, 80, 633-634.	0.6	0