Natzi Sakalihasan

List of Publications by Year
in descending order

56 papers	3,861 citations	186265 28 h-index	168389 53 g-index
56 all docs	56 docs citations	56 times ranked	5358 citing authors

#	Article	IF	Citations
1	The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. Nature Genetics, 2008, 40, 217-224.	21.4	668
2	Abdominal aortic aneurysms. Nature Reviews Disease Primers, 2018, 4, 34.	30.5	312
3	Novel aspects of the pathogenesis of aneurysms of the abdominal aorta in humans. Cardiovascular Research, 2011, 90, 18-27.	3.8	294
4	Activated forms of MMP2 and MMP9 in abdominal aortic aneurysms. Journal of Vascular Surgery, 1996, 24, 127-133.	1.1	280
5	Genome-wide association study identifies a sequence variant within the DAB2IP gene conferring susceptibility to abdominal aortic aneurysm. Nature Genetics, 2010, 42, 692-697.	21.4	181
6	Meta-Analysis of Genome-Wide Association Studies for Abdominal Aortic Aneurysm Identifies Four New Disease-Specific Risk Loci. Circulation Research, 2017, 120, 341-353.	4.5	166
7	Apolipoprotein(a) Genetic Sequence Variants Associated With Systemic Atherosclerosis and Coronary Atherosclerotic Burden But Not With Venous Thromboembolism. Journal of the American College of Cardiology, 2012, 60, 722-729.	2.8	149
8	Three arginine to cysteine substitutions in the pro-alpha (I)-collagen chain cause Ehlers-Danlos syndrome with a propensity to arterial rupture in early adulthood. Human Mutation, 2007, 28, 387-395.	2.5	139
9	Genome Scan for Familial Abdominal Aortic Aneurysm Using Sex and Family History as Covariates Suggests Genetic Heterogeneity and Identifies Linkage to Chromosome 19q13. Circulation, 2004, 109, 2103-2108.	1.6	120
10	Familial abdominal aortic aneurysms: Collection of 233 multiplex families. Journal of Vascular Surgery, 2003, 37, 340-345.	1.1	110
11	Genetic analysis of polymorphisms in biologically relevant candidate genes in patients with abdominal aortic aneurysms. Journal of Vascular Surgery, 2005, 41, 1036-1042.	1.1	108
12	¹⁸F-FDG Uptake Assessed by PET/CT in Abdominal Aortic Aneurysms Is Associated with Cellular and Molecular Alterations Prefacing Wall Deterioration and Rupture. Journal of Nuclear Medicine, 2013, 54, 1740-1747.	5.0	104
13	Effect of cardiac resynchronization therapy on functional mitral regurgitation in heart failure. American Journal of Cardiology, 2004, 94, 1462-1465.	1.6	102
14	Modifications of the extracellular matrix of aneurysmal abdominal aortas as a function of their size. European Journal of Vascular Surgery, 1993, 7, 633-637.	0.9	100
15	Surgical treatment of bicuspid aortic valve disease: Knowledge gaps and research perspectives. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1749-1757.e1.	0.8	86
16	Contribution of PET scanning to the evaluation of abdominal aortic aneurysm. Seminars in Vascular Surgery, 2004, 17, 144-153.	2.8	66
17	Sex Differences in Abdominal Aortic Aneurysm: The Role of Sex Hormones. Annals of Vascular Surgery, 2014, 28, 1946-1958.	0.9	64
18	Thoracic endovascular aortic repair (TEVAR) in proximal (type A) aortic dissection: Ready for a broader application?. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, S3-S11.	0.8	63

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19	Successful clinical transplantation of hearts donated after circulatory death using normothermic regional perfusion. Journal of Heart and Lung Transplantation, 2019, 38, 593-598.	0.6	60
20	TIMP-2 and PAI-1 mRNA levels are lower in aneurysmal as compared to athero-occlusive abdominal aortas. Cardiovascular Research, 2003, 60, 205-213.	3.8	58
21	Distribution of F-18 Fluorodeoxyglucose (F-18 FDG) in Abdominal Aortic Aneurysm: High Accumulation in Macrophages Seen on PET Imaging and Immunohistology. Clinical Nuclear Medicine, 2005, 30, 340-341.	1.3	57
22	MR Imaging of Iron Phagocytosis in Intraluminal Thrombi of Abdominal Aortic Aneurysms in Humans. Radiology, 2010, 254, 973-981.	7.3	56
23	Multifactorial Relationship Between ¹⁸ F-Fluoro-Deoxy-Glucose Positron Emission Tomography Signaling and Biomechanical Properties in Unruptured Aortic Aneurysms. Circulation: Cardiovascular Imaging, 2014, 7, 82-91.	2.6	55
24	Family Members of Patients with Abdominal Aortic Aneurysms Are at Increased Risk for Aneurysms: Analysis of 618 Probands and Their Families from the LiÃ¨ge AAA Family Study. Annals of Vascular Surgery, 2014, 28, 787-797.	0.9	53
25	Multidimensional growth measurements of abdominal aortic aneurysms. Journal of Vascular Surgery, 2013, 58, 748-755.	1.1	49
26	Progression of Abdominal Aortic Aneurysm Towards Rupture: Refining Clinical Risk Assessment Using a Fully Coupled Fluidâ€“Structure Interaction Method. Annals of Biomedical Engineering, 2015, 43, 139-153.	2.5	46
27	Confirmation of the role of pathogenic SMAD6 variants in bicuspid aortic valve-related aortopathy. European Journal of Human Genetics, 2019, 27, 1044-1053.	2.8	32
28	Routine Ultrasound Screening for Abdominal Aortic Aneurysm among 65- and 75-Year-Old Men in a City of 200,000 Inhabitants. Annals of Vascular Surgery, 1998, 12, 544-549.	0.9	31
29	MMP-9 regulates both positively and negatively collagen gel contractionA nonproteolytic function of MMP-9. Cardiovascular Research, 2005, 66, 402-409.	3.8	26
30	18F-FDG PET/CT in the Management of Aortitis. Clinical Nuclear Medicine, 2016, 41, 28-33.	1.3	24
31	Extending Abdominal Aortic Aneurysm Detection to Older Age Groups: Preliminary Results from the LiÃ¨ge Screening Programme. Annals of Vascular Surgery, 2016, 36, 55-63.	0.9	21
32	Multimodality imaging assessment of the deleterious role of the intraluminal thrombus on the growth of abdominal aortic aneurysm in a rat model. European Radiology, 2016, 26, 2378-2386.	4.5	21
33	Can Periodontitis Influence the Progression of Abdominal Aortic Aneurysm? A Systematic Review. Angiology, 2019, 70, 479-491.	1.8	21
34	Abdominal Aortic Aneurysm (AAA): Is There a Role for the Prevention and Therapy Using Antioxidants?. Current Drug Targets, 2018, 19, 1256-1264.	2.1	13
35	Positron Emission Tomography/Computed Tomography Predicts and Detects Complications After Endovascular Repair of Abdominal Aortic Aneurysms. Journal of Endovascular Therapy, 2019, 26, 520-528.	1.5	12
36	Further evidence on the relationship between abdominal aortic aneurysm and periodontitis: A crossâ€sectional study. Journal of Periodontology, 2020, 91, 1453-1464.	3.4	12

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37	A novel SMAD3 mutation caused multiple aneurysms in a patient without osteoarthritis symptoms. European Journal of Medical Genetics, 2017, 60, 228-231.	1.3	10
38	Circulating microRNAs signature correlates with positive [18F]fluorodeoxyglucose-positron emission tomography in patients with abdominal aortic aneurysm. Journal of Vascular Surgery, 2018, 67, 585-595.e3.	1.1	10
39	HLA-DQA Is Associated with Abdominal Aortic Aneurysms in the Belgian Population. Annals of the New York Academy of Sciences, 2006, 1085, 392-395.	3.8	9
40	Urgent Carotid Endarterectomy in Patients with Acute Neurological Symptoms: The Results of a Single Center Prospective Nonrandomized Study. Aorta, 2013, 1, 110-116.	0.5	8
41	Clinical course and challenging management of early COVID-19 infection after heart transplantation: case report of two patients. BMC Infectious Diseases, 2021, 21, 89.	2.9	8
42	Therapeutic Applications of Prostaglandins and Thromboxane A2 Inhibitors in Abdominal Aortic Aneurysms. Current Drug Targets, 2018, 19, 1247-1255.	2.1	8
43	New Insights Into Aortic Diseases. Aorta, 2013, 1, 23-39.	0.5	7
44	Dissection of Iliac Artery in a Patient With Autosomal Dominant Polycystic Kidney Disease: A Case Report. Aorta, 2013, 1, 123-125.	0.5	7
45	Cervical artery dissections and type A aortic dissection in a family with a novel missense COL3A1 mutation of vascular type Ehlersâ€“Danlos syndrome. European Journal of Medical Genetics, 2015, 58, 634-636.	1.3	6
46	IgG4-Related Disease Causing Rapid Evolution of a Severe Aortic Valvular Stenosis. Annals of Thoracic Surgery, 2017, 103, e239-e240.	1.3	6
47	Risk Factor Assessment in a Greek Cohort of Patients With Large Abdominal Aortic Aneurysms. Angiology, 2019, 70, 35-40.	1.8	6
48	PS4. Biomechanical Rupture Risk Assessment of AAA Made Easier for Clinicians. Journal of Vascular Surgery, 2012, 55, 29S-30S.	1.1	4
49	Magnetic Resonance Imaging Findings in a Positron Emission Tomography-Positive Thoracic Aortic Aneurysm. Aorta, 2013, 1, 198-201.	0.5	3
50	Increased Expression of Lamin A/C Correlate with Regions of High Wall Stress in Abdominal Aortic Aneurysms. Aorta, 2015, 03, 152-161.	0.5	3
51	Increased Metabolic Activity Highlighted by Positron Emission Tomography/Computed Tomography in the Wall of the Dissected Ascending Aorta in a Patient With Horton Disease. Circulation: Cardiovascular Imaging, 2013, 6, 606-608.	2.6	2
52	Centres of excellence in heart valve surgery: are there standards for best practice?. Open Heart, 2015, 2, e000282.	2.3	2
53	Alternative management of proximal aortic dissection: remodelling as key to success. European Heart Journal, 2019, 41, 896.	2.2	2
54	Emerging Tools to Assess the Risk of Rupture in AAA: Wall Stress and FDG PET. , 2019, , 465-485.		1

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55	How to Reduce the Risk of Acute Kidney Injury in Abdominal Aortic Aneurysm Surgery: The Quest of the Grail. European Journal of Vascular and Endovascular Surgery, 2020, 59, 866-867.	1.5	0
56	False Lumen Thrombosis and Pressure Predicts Outcome in Patients with Acute Type B Aortic Dissection. European Journal of Vascular and Endovascular Surgery, 2022, 63, e29.	1.5	0