Fabien Lareyre

List of Publications by Year
in descending order

96 papers	1,487 citations	430874 18 h-index	361022 35 g-index
97 all docs	97 docs citations	97 times ranked	1929 citing authors

#	Article	IF	Citations
1	Monocytes and macrophages in abdominal aortic aneurysm. Nature Reviews Cardiology, 2017, 14, 457-471.	13.7	267
2	Vascular Smooth Muscle Cell Plasticity and Autophagy in Dissecting Aortic Aneurysms. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1149-1159.	2.4	121
3	Diabetes and aortic aneurysm: current state of the art. Cardiovascular Research, 2018, 114, 1702-1713.	3.8	111
4	Artificial intelligence in abdominal aortic aneurysm. Journal of Vascular Surgery, 2020, 72, 321-333.e1.	1.1	94
5	TGFÎ² (Transforming Growth Factor-Î²) Blockade Induces a Human-Like Disease in a Nondissecting Mouse Model of Abdominal Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2171-2181.	2.4	64
6	A fully automated pipeline for mining abdominal aortic aneurysm using image segmentation. Scientific Reports, 2019, 9, 13750.	3.3	58
7	Micro-RNAs in abdominal aortic aneurysms: insights from animal models and relevance to human disease. Cardiovascular Research, 2016, 110, 165-177.	3.8	51
8	Interleukin-6 Receptor Signaling and Abdominal Aortic Aneurysm Growth Rates. Circulation Genomic and Precision Medicine, 2019, 12, e002413.	3.6	46
9	Fundamentals in Artificial Intelligence for Vascular Surgeons. Annals of Vascular Surgery, 2020, 65, 254-260.	0.9	40
10	TREM-1 orchestrates angiotensin IIâ€“induced monocyte trafficking and promotes experimental abdominal aortic aneurysm. Journal of Clinical Investigation, 2021, 131, .	8.2	36
11	High Neutrophil to Lymphocyte Ratio and Platelet to Lymphocyte Ratio are Associated with Symptomatic Internal Carotid Artery Stenosis. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 76-83.	1.6	33
12	Impaired Autophagy in CD11b ⁺ Dendritic Cells Expands CD4 ⁺ Regulatory T Cells and Limits Atherosclerosis in Mice. Circulation Research, 2019, 125, 1019-1034.	4.5	31
13	Applications of Head-Mounted Displays and Smart Glasses in Vascular Surgery. Annals of Vascular Surgery, 2021, 75, 497-512.	0.9	28
14	Sexual Dysfunction After Abdominal Aortic Aneurysm Surgical Repair: Current Knowledge and Future Directions. European Journal of Vascular and Endovascular Surgery, 2018, 55, 267-280.	1.5	27
15	Deletion of IRF8 (Interferon Regulatory Factor 8)-Dependent Dendritic Cells Abrogates Proatherogenic Adaptive Immunity. Circulation Research, 2018, 122, 813-820.	4.5	26
16	Coverage of Accessory Renal Arteries During Endovascular Aortic Aneurysm Repair: What Are the Consequences and the Implications for Clinical Practice?. Angiology, 2019, 70, 12-19.	1.8	23
17	Artificial Intelligence for Education of Vascular Surgeons. European Journal of Vascular and Endovascular Surgery, 2020, 59, 870-871.	1.5	22
18	Relationship between metformin and abdominal aortic aneurysm. Journal of Vascular Surgery, 2020, 71, 1056-1062.	1.1	21

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19	High Neutrophil to Lymphocyte Ratio Is Associated With Symptomatic and Ruptured Thoracic Aortic Aneurysm. Angiology, 2018, 69, 686-691.	1.8	20
20	Platelet to lymphocyte ratio as a predictive factor of 30-day mortality in patients with acute mesenteric ischemia. PLoS ONE, 2019, 14, e0219763.	2.5	18
21	Short-term outcomes and survival of pyrocarbon hemiarthroplasty in the young arthritic shoulder. Journal of Shoulder and Elbow Surgery, 2022, 31, 113-122.	2.6	18
22	Changes in Ocular Subfoveal Choroidal Thickness After Carotid Endarterectomy Using Enhanced Depth Imaging Optical Coherence Tomography: A Pilot Study. Angiology, 2018, 69, 574-581.	1.8	17
23	Association of Platelet to Lymphocyte Ratio and Risk of 30-Day Postoperative Complications in Patients Undergoing Abdominal Aortic Surgical Repair. Vascular and Endovascular Surgery, 2019, 53, 5-11.	0.7	16
24	Transforming growth factor Î² neutralization finely tunes macrophage phenotype in elastase-induced abdominal aortic aneurysm and is associated with an increase of arginase 1 expression in the aorta. Journal of Vascular Surgery, 2019, 70, 588-598.e2.	1.1	16
25	Applications of Artificial Intelligence in Non-cardiac Vascular Diseases: A Bibliographic Analysis. Angiology, 2022, 73, 606-614.	1.8	16
26	Mycotic Aortic Aneurysm and Infected Aortic Graft After Intravesical Bacillus Calmette-GuÃ©rin Treatment for Bladder Cancer. Vascular and Endovascular Surgery, 2019, 53, 86-91.	0.7	15
27	Differential micro-RNA expression in diabetic patients with abdominal aortic aneurysm. Biochimie, 2019, 162, 1-7.	2.6	14
28	Automated Segmentation of the Human Abdominal Vascular System Using a Hybrid Approach Combining Expert System and Supervised Deep Learning. Journal of Clinical Medicine, 2021, 10, 3347.	2.4	13
29	Association of abdominal aortic aneurysm diameter with insulin resistance index. Biochemia Medica, 2018, 28, 030702.	2.7	13
30	Using Digital Twins for Precision Medicine in Vascular Surgery. Annals of Vascular Surgery, 2020, 67, e577-e578.	0.9	11
31	Big Data and Artificial Intelligence in Vascular Surgery: Time for Multidisciplinary Cross-Border Collaboration. Angiology, 2022, 73, 697-700.	1.8	11
32	Pelvi-ureteric junction obstruction related to crossing vessels: vascular anatomic variations and implication for surgical approaches. International Urology and Nephrology, 2018, 50, 385-394.	1.4	10
33	Prediction of Abdominal Aortic Aneurysm Growth and Risk of Rupture in the Era of Machine Learning. Angiology, 2020, 71, 767-767.	1.8	10
34	Patterns of Acute Ischemic Strokes After Carotid Endarterectomy and Therapeutic Implications. Vascular and Endovascular Surgery, 2017, 51, 485-490.	0.7	9
35	Glucagon-Like peptide-1: A new therapeutic target to treat abdominal aortic aneurysm?. Biochimie, 2018, 152, 149-154.	2.6	9
36	Impact of Polar Renal Artery Coverage after Fenestrated Endovascular Aortic Repair for Juxtarenal and Type IV Thoracoabdominal Aortic Aneurysms. Annals of Vascular Surgery, 2019, 58, 45-53.e1.	0.9	9

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37	Management of Vascular Complications during Anterior Lumbar Spinal Surgery Using Mini-Open Retroperitoneal Approach. Annals of Vascular Surgery, 2021, 74, 475-488.	0.9	9
38	Evaluation of the Impact of Sarcopenia in Patients with Acute Mesenteric Ischemia. Annals of Vascular Surgery, 2020, 63, 170-178.e1.	0.9	7
39	A Fatal Aortic Arch Rupture Due to Descending Necrotizing Mediastinitis in a 24-year-old Woman. Vascular and Endovascular Surgery, 2017, 51, 408-412.	0.7	6
40	Investigation of Plasma Inflammatory Profile in Diabetic Patients With Abdominal Aortic Aneurysm: A Pilot Study. Vascular and Endovascular Surgery, 2018, 52, 597-601.	0.7	6
41	Endovascular Aneurysm Sealing and Chimney Endovascular Aneurysm Sealing in the Treatment of Type Ia and Type III Endoleaks After Endovascular Aneurysm Repair. Annals of Vascular Surgery, 2019, 61, 317-325.	0.9	6
42	Impact of Polar Renal Artery Coverage on Early Renal Function after Chimney Endovascular Aortic Aneurysm Repair. Journal of Vascular and Interventional Radiology, 2019, 30, 539-545.	0.5	6
43	Artificial Intelligence in Vascular Surgery: Moving from Big Data to Smart Data. Annals of Vascular Surgery, 2020, 67, e575-e576.	0.9	6
44	Metformin to Limit Abdominal Aortic Aneurysm Expansion: Time for Clinical Trials. European Journal of Vascular and Endovascular Surgery, 2021, 61, 1030.	1.5	6
45	Contrast-induced Nephropathy in Non-cardiac Vascular Procedures, A Narrative Review: Part 1. Current Vascular Pharmacology, 2022, 20, 3-15.	1.7	6
46	Angiographic Analysis of Vascular Integrity After Percutaneous Closure Using Prostar XL Device During Transcatheter Aortic Valve Implantation. Vascular and Endovascular Surgery, 2017, 51, 282-287.	0.7	5
47	Surgical Management of Percutaneous Transfemoral Access to Minimize Vascular Complications Related to Transcatheter Aortic Valveâ€˜ Implantation. Angiology, 2018, 69, 143-150.	1.8	5
48	Vascular Calcifications are Associated with Increased Mortality in Patients with Acute Mesenteric Ischemia. Annals of Vascular Surgery, 2021, 72, 88-97.	0.9	5
49	Holographic Imaging with the HoloLens Head Mounted System to Enhance Angio Suite Ergonomics During an Endovascular Procedure. European Journal of Vascular and Endovascular Surgery, 2021, 61, 849-850.	1.5	5
50	Feasibility of the Application of Holographic Augmented Reality in Endovascular Surgery Using Microsoft HoloLens Head-Mounted Display. Annals of Vascular Surgery, 2021, 76, 597-598.	0.9	5
51	Nationwide study in France investigating the impact of diabetes on mortality in patients undergoing abdominal aortic aneurysm repair. Scientific Reports, 2021, 11, 19395.	3.3	5
52	Contrast-induced Nephropathy in Non-cardiac Vascular Procedures, A Narrative Review: Part 2. Current Vascular Pharmacology, 2022, 20, 16-26.	1.7	4
53	Automatic Measurement of Maximal Diameter of Abdominal Aortic Aneurysm on Computed Tomography Angiography Using Artificial Intelligence. Annals of Vascular Surgery, 2022, 83, 202-211.	0.9	4
54	Impact of Female Sex on Outcomes of Patients Undergoing Thoracic Endovascular Aortic Aneurysm Repair: A Ten-Year Retrospective Nationwide Study in France. Journal of Clinical Medicine, 2022, 11, 2253.	2.4	4

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55	A 7-Year Single-Center Experience of Transfemoral TAVI: Evolution of Surgical Activity and Impact on Vascular Outcome. Angiology, 2018, 69, 532-539.	1.8	3
56	Endovascular Treatment of Transplant Renal Artery Stenosis: Evaluation of Postoperative Outcomes and Risk Factors for Recurrence. Angiology, 2019, 70, 249-256.	1.8	3
57	Management of Accessory Renal Artery During Abdominal Aortic Aneurysm Repair. Angiology, 2019, 70, 572-573.	1.8	3
58	Incidence of Contrast-Induced Nephropathy and Post-Operative Outcomes in Patients Undergoing Chimney Endovascular Aortic Aneurysm Repair. Angiology, 2022, 73, 852-862.	1.8	3
59	Regarding â€œThe association between platelet/lymphocyte ratio, neutrophil/lymphocyte ratio, and carotid artery stenosis and stroke following carotid endarterectomyâ€• Vascular, 2020, 28, 3-4.	0.9	2
60	Virtual assistants for vascular surgeons. Journal of Vascular Surgery, 2020, 72, 772-773.	1.1	2
61	Endovascular aneurysm sealing as an alternative for the treatment of failed endovascular aneurysm repair. Vascular, 2020, 28, 251-258.	0.9	2
62	Mycotic aortic and left iliac ruptured aneurysm due to Escherichia Coli: a case report and literature overview. Acta Chirurgica Belgica, 2020, , 1-7.	0.4	2
63	Reduced Abdominal Aortic Aneurysm Growth Rate in Diabetic Patients Treated by Metformin: A Potential Role of Chemokines?. Annals of Vascular Surgery, 2021, 70, e1-e2.	0.9	2
64	Artificial intelligence and automatic segmentation of abdominal aortic aneurysm: Past, present, and future. Journal of Vascular Surgery, 2021, 74, 347-348.	1.1	2
65	Biomarkers of Contrast-Induced Nephropathy After Non-cardiac Vascular Procedures: An Under-explored Area. Angiology, 2022, 73, 193-194.	1.8	2
66	Automatic Measurement of Vascular Calcifications in Patients with Aorto-Iliac Occlusive Disease to Predict the Risk of Re-intervention After Endovascular Repair. Annals of Vascular Surgery, 2022, 83, 10-19.	0.9	2
67	Bibliometric analysis on Artificial Intelligence and Machine Learning in vascular Surgery. Annals of Vascular Surgery, 2022, , .	0.9	2
68	Assessment of Access-Related Injury During Transcatheter Aortic Valve Implantation: Current Issues and Future Directions. Angiology, 2018, 69, 561-563.	1.8	1
69	Translational applications of glucose metabolism in abdominal aortic aneurysm. Journal of Vascular Surgery, 2019, 70, 2093-2097.	1.1	1
70	Endovascular Aneurysm Sealing of a Collapsed and Thrombosed Aortic Stent-Graft With Renovisceral Chimney Stent-Grafts. Journal of Endovascular Therapy, 2019, 26, 72-75.	1.5	1
71	Diabetes mellitus is not associated with worse vascular outcome following percutaneous transfemoral transcatheter aortic valve implantation. Acta Cardiologica, 2019, 74, 480-486.	0.9	1
72	Reply to â€œInflammation Parameters in Aortic Aneurysmâ€• Angiology, 2019, 70, 281-282.	1.8	1

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73	From bedside to bench: an evaluation of expectations and challenges encountered by young surgeons facing basic science. Acta Chirurgica Belgica, 2020, 120, 245-249.	0.4	1
74	Looking for the Optimal Evaluation of Abdominal Aortic Aneurysm Risk of Rupture. Journal of Endovascular Therapy, 2020, 27, 345-346.	1.5	1
75	The role of the vascular surgeon to optimize the management of vascular complications during transcatheter aortic valve implantation. Vascular, 2021, 29, 146-147.	0.9	1
76	Investigation of the diagnostic and prognostic value of miR-637 in atherosclerosis. Vascular, 2021, , 170853812098841.	0.9	1
77	Update on the Management of Accessory Renal Arteries During Endovascular Aortic Aneurysm Repair. Angiology, 2021, 72, 196-197.	1.8	1
78	Incidence of contrast-induced acute kidney injury in patients with acute mesenteric ischemia and identification of potential predictive factors. Vascular, 2021, , 170853812110507.	0.9	1
79	Automatic Measurement of Abdominal Aortic Aneurysm Maximum Diameter Using Artificial Intelligence. European Journal of Vascular and Endovascular Surgery, 2021, , .	1.5	1
80	Diabetes-Induced Changes in Macrophage Biology Might Lead to Reduced Risk for Abdominal Aortic Aneurysm Development. Metabolites, 2022, 12, 128.	2.9	1
81	Options to achieve proximal sealing zone during endovascular repair of abdominal aortic aneurysm and correlated classification. Vascular, 2019, 27, 582-584.	0.9	0
82	Regarding â€œOutcomes associated with hyperglycemia after abdominal aortic aneurysm repairâ€. Journal of Vascular Surgery, 2019, 69, 310.	1.1	0
83	Regarding â€œDiabetes-Related Factors and Abdominal Aortic Aneurysm Events: The Atherosclerotic Risk in Communities Studyâ€. Annals of Epidemiology, 2019, 31, 75-76.	1.9	0
84	Impact of diabetes on long-term survival and morbidity following aortic aneurysm repair. Journal of Vascular Surgery, 2020, 71, 352.	1.1	0
85	Medicine, science and family: find the right mix to make a good cocktail. Acta Chirurgica Belgica, 2020, 120, 139-140.	0.4	0
86	Multiple Skin Fistulae after Axillofemoral Bypass. European Journal of Vascular and Endovascular Surgery, 2020, 60, 670.	1.5	0
87	Link between Hyperglycaemia, Insulin resistance, and Lower Extremity Weakness Following Complex Endovascular Aortic Aneurysm Repair. European Journal of Vascular and Endovascular Surgery, 2020, 59, 850-851.	1.5	0
88	Deciphering the Role of Interleukin-1Î² in the Development of Dissecting Thoracic Aortic Aneurysm. European Journal of Vascular and Endovascular Surgery, 2021, 61, 348.	1.5	0
89	Vascular Remodeling and Immune Cell Infiltration in Splenic Artery Aneurysms. Angiology, 2021, 72, 539-549.	1.8	0
90	Measurement of Aneurysm Volumes After Endovascular Aortic Aneurysm Repair as a Predictive Factor of Postoperative Complications. Journal of Endovascular Therapy, 2021, 28, 487-488.	1.5	0

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91	Aorto-pulmonary and aorto-digestive fistula after hybrid aortic arch aneurysm repair. JMV-Journal De Medecine Vasculaire, 2021, 46, 100-101.	0.2	0
92	Impact of metformin treatment on outcomes after abdominal aortic aneurysm repair. Annals of Vascular Surgery, 2021, , .	0.9	0
93	Abstract 309: Blockade of Transforming Growth Factor Beta Activity in Elastase-Induced Aortic Injury in Mice Induces a Human-Like Abdominal Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, .	2.4	0
94	Automatic Segmentation of Maximum Aortic Diameter to Standardize Methods of Measurements on Computed Tomography Angiography. Annals of Vascular Surgery, 2022, , .	0.9	0
95	Decreased angiogenesis in diabetes: new insights in the mechanisms involved in the negative association between diabetes and abdominal aortic aneurysm. European Journal of Vascular and Endovascular Surgery, 2022, , .	1.5	0
96	Impact of Diabetes on Outcomes of Patients With Lower Extremity Artery Disease. Angiology, 2022, , 000331972210744.	1.8	0