

Jean-Baptiste Michel

List of Publications by Year in descending order

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131
papers

9,396
citations

34105

52
h-index

42399

92
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133
all docs

133
docs citations

133
times ranked

11179
citing authors

#	ARTICLE	IF	CITATIONS
1	Periodontitis and cardiovascular diseases: Consensus report. <i>Journal of Clinical Periodontology</i> , 2020, 47, 268-288.	4.9	636
2	The vascular smooth muscle cell in arterial pathology: a cell that can take on multiple roles. <i>Cardiovascular Research</i> , 2012, 95, 194-204.	3.8	573
3	Abdominal aortic aneurysms. <i>Nature Reviews Disease Primers</i> , 2018, 4, 34.	30.5	312
4	Intraplaque haemorrhages as the trigger of plaque vulnerability. <i>European Heart Journal</i> , 2011, 32, 1977-1985.	2.2	298
5	Novel aspects of the pathogenesis of aneurysms of the abdominal aorta in humans. <i>Cardiovascular Research</i> , 2011, 90, 18-27.	3.8	294
6	Involvement of the Mural Thrombus as a Site of Protease Release and Activation in Human Aortic Aneurysms. <i>American Journal of Pathology</i> , 2002, 161, 1701-1710.	3.8	285
7	Thrombus Neutrophil Extracellular Traps Content Impair tPA-Induced Thrombolysis in Acute Ischemic Stroke. <i>Stroke</i> , 2018, 49, 754-757.	2.0	232
8	Lymphoid neogenesis in chronic rejection: Evidence for a local humoral alloimmune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14723-14728.	7.1	227
9	Identification by a Differential Proteomic Approach of Heat Shock Protein 27 as a Potential Marker of Atherosclerosis. <i>Circulation</i> , 2004, 110, 2216-2219.	1.6	214
10	Roles of PAD4 and NETosis in Experimental Atherosclerosis and Arterial Injury. <i>Circulation Research</i> , 2018, 123, 33-42.	4.5	205
11	Biomechanical factors in the biology of aortic wall and aortic valve diseases. <i>Cardiovascular Research</i> , 2013, 99, 232-241.	3.8	195
12	Topological Determinants and Consequences of Adventitial Responses to Arterial Wall Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1259-1268.	2.4	176
13	Drug interactions modulate the potential for evolution of resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14918-14923.	7.1	176
14	Syndromic and non-syndromic aneurysms of the human ascending aorta share activation of the Smad2 pathway. <i>Journal of Pathology</i> , 2009, 218, 131-142.	4.5	162
15	Alteplase Reduces Downstream Microvascular Thrombosis and Improves the Benefit of Large Artery Recanalization in Stroke. <i>Stroke</i> , 2015, 46, 3241-3248.	2.0	153
16	Renewal of Mural Thrombus Releases Plasma Markers and Is Involved in Aortic Abdominal Aneurysm Evolution. <i>American Journal of Pathology</i> , 2006, 168, 1022-1030.	3.8	148
17	Involvement of intraplaque hemorrhage in atherothrombosis evolution via neutrophil protease enrichment. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1420-1429.	3.3	137
18	Pathology of human plaque vulnerability: Mechanisms and consequences of intraplaque haemorrhages. <i>Atherosclerosis</i> , 2014, 234, 311-319.	0.8	135

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19	Control of the T Follicular Helper-Germinal Center B-Cell Axis by CD8 ⁺ Regulatory T Cells Limits Atherosclerosis and Tertiary Lymphoid Organ Development. <i>Circulation</i> , 2015, 131, 560-570.	1.6	130
20	Translational Relevance and Recent Advances of Animal Models of Abdominal Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 401-410.	2.4	130
21	<i>Porphyromonas gingivalis</i> Participates in Pathogenesis of Human Abdominal Aortic Aneurysm by Neutrophil Activation. Proof of Concept in Rats. <i>PLoS ONE</i> , 2011, 6, e18679.	2.5	125
22	Role of Leukocyte Elastase in Preventing Cellular Re-Colonization of the Mural Thrombus. <i>American Journal of Pathology</i> , 2004, 164, 2077-2087.	3.8	121
23	From genetics to response to injury: vascular smooth muscle cells in aneurysms and dissections of the ascending aorta. <i>Cardiovascular Research</i> , 2018, 114, 578-589.	3.8	114
24	Radiolabeled Fucoidan as a P-Selectin Targeting Agent for In Vivo Imaging of Platelet-Rich Thrombus and Endothelial Activation. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1433-1440.	5.0	109
25	Mediators of neutrophil recruitment in human abdominal aortic aneurysms. <i>Cardiovascular Research</i> , 2009, 82, 532-541.	3.8	104
26	¹⁸ F-FDG Uptake Assessed by PET/CT in Abdominal Aortic Aneurysms Is Associated with Cellular and Molecular Alterations Prefacing Wall Deterioration and Rupture. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1740-1747.	5.0	104
27	Differential inflammatory activity across human abdominal aortic aneurysms reveals neutrophil-derived leukotriene B4 as a major chemotactic factor released from the intraluminal thrombus. <i>FASEB Journal</i> , 2009, 23, 1376-1383.	0.5	100
28	Pericellular plasmin induces smooth muscle cell anoikis. <i>FASEB Journal</i> , 2003, 17, 1301-1303.	0.5	97
29	Exacerbation of Thromboinflammation by Hyperglycemia Precipitates Cerebral Infarct Growth and Hemorrhagic Transformation. <i>Stroke</i> , 2017, 48, 1932-1940.	2.0	96
30	Epigenetic control of vascular smooth muscle cells in Marfan and non-Marfan thoracic aortic aneurysms. <i>Cardiovascular Research</i> , 2011, 89, 446-456.	3.8	95
31	Protease Nexin-1 Inhibits Plasminogen Activation-induced Apoptosis of Adherent Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 10346-10356.	3.4	90
32	Biological Significance of Decreased HSP27 in Human Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1337-1343.	2.4	89
33	Emerging role of serpinE2/protease nexin-1 in hemostasis and vascular biology. <i>Blood</i> , 2012, 119, 2452-2457.	1.4	88
34	HDL antielastase activity prevents smooth muscle cell anoikis, a potential new antiatherogenic property. <i>FASEB Journal</i> , 2009, 23, 3129-3139.	0.5	86
35	Neuroimmune cardiovascular interfaces control atherosclerosis. <i>Nature</i> , 2022, 605, 152-159.	27.8	86
36	Acute ischemic stroke thrombi have an outer shell that impairs fibrinolysis. <i>Neurology</i> , 2019, 93, e1686-e1698.	1.1	84

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37	Ultrasml superparamagnetic iron oxide nanoparticles coated with fucoidan for molecular MRI of intraluminal thrombus. <i>Nanomedicine</i> , 2015, 10, 73-87.	3.3	80
38	Identification of Peroxiredoxin-1 as a Novel Biomarker of Abdominal Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 935-943.	2.4	75
39	Proteomic Analysis of Polymorphonuclear Neutrophils Identifies Catalase as a Novel Biomarker of Abdominal Aortic Aneurysm: Potential Implication of Oxidative Stress in Abdominal Aortic Aneurysm Progression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 3011-3019.	2.4	71
40	Using the tabulated diffusion flamelet model ADF-PCM to simulate a lifted methane-air jet flame. <i>Combustion and Flame</i> , 2009, 156, 1318-1331.	5.2	69
41	On the Effects of EGR on Spark-Ignited Gasoline Combustion at High Load. <i>SAE International Journal of Engines</i> , 0, 7, 1808-1823.	0.4	69
42	Effect of blocking platelet activation with AZD6140 on development of abdominal aortic aneurysm in a rat aneurysmal model. <i>Journal of Vascular Surgery</i> , 2009, 49, 719-727.	1.1	68
43	Peripheral Artery Disease Is Associated With a High CD163/TWEAK Plasma Ratio. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1253-1262.	2.4	67
44	Periodontal bacteria in human carotid atherothrombosis as a potential trigger for neutrophil activation. <i>Atherosclerosis</i> , 2014, 236, 448-455.	0.8	66
45	Diagnostic and therapeutic strategies for small abdominal aortic aneurysms. <i>Nature Reviews Cardiology</i> , 2011, 8, 338-347.	13.7	63
46	The translational science of Marfan syndrome. <i>Heart</i> , 2011, 97, 1206-1214.	2.9	62
47	Angiogenesis and remodelling in human thoracic aortic aneurysms. <i>Cardiovascular Research</i> , 2014, 104, 147-159.	3.8	60
48	Modeling ignition and chemical structure of partially premixed turbulent flames using tabulated chemistry. <i>Combustion and Flame</i> , 2008, 152, 80-99.	5.2	59
49	On the use of a tabulation approach to model auto-ignition during flame propagation in SI engines. <i>Applied Energy</i> , 2011, 88, 4968-4979.	10.1	59
50	Lymphoid neogenesis in chronic rejection: the murderer is in the house. <i>Current Opinion in Immunology</i> , 2006, 18, 576-579.	5.5	58
51	^{99m} Tc-Annexin-V Functional Imaging of Luminal Thrombus Activity in Abdominal Aortic Aneurysms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2153-2159.	2.4	58
52	Erythrocytes, leukocytes and platelets as a source of oxidative stress in chronic vascular diseases: Detoxifying mechanisms and potential therapeutic options. <i>Thrombosis and Haemostasis</i> , 2012, 108, 435-442.	3.4	58
53	MR Imaging of Iron Phagocytosis in Intraluminal Thrombi of Abdominal Aortic Aneurysms in Humans. <i>Radiology</i> , 2010, 254, 973-981.	7.3	56
54	Pharmacological Potentiation of Natriuretic Peptide Limits Polymorphonuclear Neutrophil-Vascular Cell Interactions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1824-1831.	2.4	55

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55	Low plasma levels of HSP70 in patients with carotid atherosclerosis are associated with increased levels of proteolytic markers of neutrophil activation. <i>Atherosclerosis</i> , 2007, 194, 334-341.	0.8	54
56	Increased plasma levels of NGAL, a marker of neutrophil activation, in patients with abdominal aortic aneurysm. <i>Atherosclerosis</i> , 2012, 220, 552-556.	0.8	52
57	Proteomic Analysis of Intraluminal Thrombus Highlights Complement Activation in Human Abdominal Aortic Aneurysms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2013-2020.	2.4	50
58	Relationship of Iron Deposition to Calcium Deposition in Human Aortic Valve Leaflets. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1043-1054.	2.8	47
59	Deciphering the Stromal and Hematopoietic Cell Network of the Adventitia from Non-Aneurysmal and Aneurysmal Human Aorta. <i>PLoS ONE</i> , 2014, 9, e89983.	2.5	47
60	Early Atheroma-Derived Agonists of Peroxisome Proliferator-Activated Receptor- β Trigger Intramedial Angiogenesis in a Smooth Muscle Cell-Dependent Manner. <i>Circulation Research</i> , 2011, 109, 1003-1014.	4.5	46
61	In vitro and in vivo evidence for the role of elastase shedding of CD163 in human atherothrombosis. <i>European Heart Journal</i> , 2012, 33, 252-263.	2.2	46
62	The Serpin Protease-Nexin 1 Is Present in Rat Aortic Smooth Muscle Cells and Is Upregulated in NAME Hypertensive Rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 142-147.	2.4	45
63	Sectional soot model coupled to tabulated chemistry for Diesel RANS simulations. <i>Combustion and Flame</i> , 2015, 162, 3081-3099.	5.2	44
64	Macrophages and Platelets Are the Major Source of Protease Nexin-1 in Human Atherosclerotic Plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1844-1850.	2.4	43
65	From intraplaque haemorrhages to plaque vulnerability. <i>Journal of Cardiovascular Medicine</i> , 2012, 13, 628-634.	1.5	42
66	Initiation of Angiogenesis in Atherosclerosis: Smooth Muscle Cells as Mediators of the Angiogenic Response to Atheroma Formation. <i>Trends in Cardiovascular Medicine</i> , 2011, 21, 183-187.	4.9	41
67	Free DNA precipitates calcium phosphate apatite crystals in the arterial wall in vivo. <i>Atherosclerosis</i> , 2017, 259, 60-67.	0.8	40
68	APOA1 oxidation is associated to dysfunctional high-density lipoproteins in human abdominal aortic aneurysm. <i>EBioMedicine</i> , 2019, 43, 43-53.	6.1	40
69	Red Blood Cells and Hemoglobin in Human Atherosclerosis and Related Arterial Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6756.	4.1	39
70	Plasma Concentration of Heat Shock Protein 27 and Risk of Cardiovascular Disease: A Prospective, Nested Case-Control Study. <i>Clinical Chemistry</i> , 2008, 54, 139-146.	3.2	38
71	Impaired high-density lipoprotein anti-oxidant capacity in human abdominal aortic aneurysm. <i>Cardiovascular Research</i> , 2013, 100, 307-315.	3.8	38
72	Modifications of Chromatin Dynamics Control Smad2 Pathway Activation in Aneurysmal Smooth Muscle Cells. <i>Circulation Research</i> , 2013, 113, 881-890.	4.5	38

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73	Fibrinolytic activity is associated with presence of cystic medial degeneration in aneurysms of the ascending aorta. <i>Histopathology</i> , 2010, 57, 917-932.	2.9	36
74	Contrasting Outcomes of Atheroma Evolution. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1389-1392.	2.4	35
75	From organic and inorganic phosphates to valvular and vascular calcifications. <i>Cardiovascular Research</i> , 2021, 117, 2016-2029.	3.8	35
76	Immaturity of microvessels in haemorrhagic plaques is associated with proteolytic degradation of angiogenic factors. <i>Cardiovascular Research</i> , 2010, 85, 184-193.	3.8	34
77	A new LES model coupling flame surface density and tabulated kinetics approaches to investigate knock and pre-ignition in piston engines. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 3105-3114.	3.9	34
78	Neutrophils recruited by leukotriene B4 induce features of plaque destabilization during endotoxaemia. <i>Cardiovascular Research</i> , 2018, 114, 1656-1666.	3.8	34
79	(Tissue PET) Vascular metabolic imaging and peripheral plasma biomarkers in the evolution of chronic aortic dissections. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 626-633.	1.2	33
80	Topology of protease activities reflects atherothrombotic plaque complexity. <i>Atherosclerosis</i> , 2007, 191, 1-10.	0.8	32
81	Hemorphin 7 Reflects Hemoglobin Proteolysis in Abdominal Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 269-275.	2.4	32
82	Smad2-Dependent Protease Nexin-1 Overexpression Differentiates Chronic Aneurysms From Acute Dissections of Human Ascending Aorta. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2222-2232.	2.4	32
83	Metabolites Secreted by Human Atherothrombotic Aneurysms Revealed through a Metabolomic Approach. <i>Journal of Proteome Research</i> , 2011, 10, 1374-1382.	3.7	31
84	From tissue iron retention to low systemic haemoglobin levels, new pathophysiological biomarkers of human abdominal aortic aneurysm. <i>Thrombosis and Haemostasis</i> , 2014, 112, 87-95.	3.4	30
85	Protease nexin-1: A cellular serpin down-regulated by thrombin in rat aortic smooth muscle cells. <i>Journal of Cellular Physiology</i> , 2004, 201, 138-145.	4.1	29
86	Plasmin induces apoptosis of aortic valvular myofibroblasts. <i>Journal of Pathology</i> , 2010, 221, 37-48.	4.5	28
87	Comparison of 18F-fluoro-deoxy-glucose, 18F-fluoro-methyl-choline, and 18F-DPA714 for positron-emission tomography imaging of leukocyte accumulation in the aortic wall of experimental abdominal aneurysms. <i>Journal of Vascular Surgery</i> , 2012, 56, 765-773.	1.1	27
88	NO Relaxation Approach (NORA) to predict thermal NO in combustion chambers. <i>Combustion and Flame</i> , 2011, 158, 1480-1490.	5.2	26
89	Pathogenic variants in THSD4, encoding the ADAMTS-like 6 protein, predispose to inherited thoracic aortic aneurysm. <i>Genetics in Medicine</i> , 2021, 23, 111-122.	2.4	25
90	The Oral Cavity and Age: A Site of Chronic Inflammation?. <i>PLoS ONE</i> , 2007, 2, e1351.	2.5	24

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91	On the formulation of species reaction rates in the context of multi-species CFD codes using complex chemistry tabulation techniques. <i>Combustion and Flame</i> , 2010, 157, 701-714.	5.2	23
92	Comparison of Differing Formulations of the PCM Model by their Application to the Simulation of an Auto-igniting H ₂ /air Jet. <i>Flow, Turbulence and Combustion</i> , 2009, 83, 33-60.	2.6	22
93	Hemoglobin induces monocyte recruitment and CD163-macrophage polarization in abdominal aortic aneurysm. <i>International Journal of Cardiology</i> , 2015, 201, 66-78.	1.7	22
94	The VWF/LRP4/ β ₁ V ²³ -axis represents a novel pathway regulating proliferation of human vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2022, 118, 622-637.	3.8	22
95	Multimodality imaging assessment of the deleterious role of the intraluminal thrombus on the growth of abdominal aortic aneurysm in a rat model. <i>European Radiology</i> , 2016, 26, 2378-2386.	4.5	21
96	A major role of TWEAK/Fn14 axis as a therapeutic target for post-angioplasty restenosis. <i>EBioMedicine</i> , 2019, 46, 274-289.	6.1	21
97	Can Periodontitis Influence the Progression of Abdominal Aortic Aneurysm? A Systematic Review. <i>Angiology</i> , 2019, 70, 479-491.	1.8	21
98	Predominant Role of Host Proteases in Myocardial Damage Associated with Infectious Endocarditis Induced by <i>Enterococcus faecalis</i> in a Rat Model. <i>Infection and Immunity</i> , 2013, 81, 1721-1729.	2.2	20
99	Effects of Glutaraldehyde on Experimental Arterial Iso- and Allografts in Rats. <i>Journal of Surgical Research</i> , 1993, 54, 61-69.	1.6	19
100	Combustion and soot modelling of a high-pressure and high-temperature Dodecane spray. <i>International Journal of Engine Research</i> , 2018, 19, 434-448.	2.3	19
101	Phylogenic Determinants of Cardiovascular Frailty, Focus on Hemodynamics and Arterial Smooth Muscle Cells. <i>Physiological Reviews</i> , 2020, 100, 1779-1837.	28.8	19
102	A tabulated diffusion flame model applied to diesel engine simulations. <i>International Journal of Engine Research</i> , 2014, 15, 346-369.	2.3	18
103	Exploring antibody-dependent adaptive immunity against aortic extracellular matrix components in experimental aortic aneurysms. <i>Journal of Vascular Surgery</i> , 2018, 68, 60S-71S.e3.	1.1	18
104	Elastase inhibitor AZD9668 treatment prevented progression of experimental abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , 2016, 63, 486-492.e1.	1.1	16
105	Autologous mesenchymal stem cell endografting in experimental cerebrovascular aneurysms. <i>Neuroradiology</i> , 2013, 55, 741-749.	2.2	14
106	Proteomics in atherothrombosis: a future perspective. <i>Expert Review of Proteomics</i> , 2007, 4, 249-260.	3.0	13
107	Oral microbiota and atherothrombotic carotid plaque vulnerability in periodontitis patients. A cross-sectional study. <i>Journal of Periodontal Research</i> , 2021, 56, 339-350.	2.7	13
108	Large Eddy Simulations of a Small-Scale Flameless Combustor by Means of Diluted Homogeneous Reactors. <i>Flow, Turbulence and Combustion</i> , 2014, 93, 305-347.	2.6	12

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109	Amino-Fucoidan as a Vector for rtPA-Induced Fibrinolysis in Experimental Thrombotic Events. <i>Thrombosis and Haemostasis</i> , 2018, 118, 042-053.	3.4	12
110	IgG Anti-High Density Lipoprotein Antibodies Are Elevated in Abdominal Aortic Aneurysm and Associated with Lipid Profile and Clinical Features. <i>Journal of Clinical Medicine</i> , 2020, 9, 67.	2.4	12
111	Label-free proteomic analysis of red blood cell membrane fractions from abdominal aortic aneurysm patients. <i>Proteomics - Clinical Applications</i> , 2014, 8, 626-630.	1.6	11
112	Peristut microhemorrhages: a possible cause of in-stent neoatherosclerosis?. <i>Cardiovascular Pathology</i> , 2017, 26, 30-38.	1.6	11
113	Internal Bleeding. <i>JACC Basic To Translational Science</i> , 2018, 3, 481-484.	4.1	11
114	High-density lipoprotein therapy inhibits <i>Porphyromonas gingivalis</i> -induced abdominal aortic aneurysm progression. <i>Thrombosis and Haemostasis</i> , 2016, 115, 789-799.	3.4	10
115	Regulation and impact of cardiac lymphangiogenesis in pressure-overload-induced heart failure. <i>Cardiovascular Research</i> , 2023, 119, 492-505.	3.8	10
116	Thrombi and Neutrophils. <i>Circulation Research</i> , 2015, 116, 1107-1108.	4.5	9
117	Clearance of plasmin-PN-1 complexes by vascular smooth muscle cells in human aneurysm of the ascending aorta. <i>Cardiovascular Pathology</i> , 2018, 32, 15-25.	1.6	9
118	New Insights Into Aortic Diseases. <i>Aorta</i> , 2013, 1, 23-39.	0.5	7
119	An Innovative Approach Combining Adaptive Mesh Refinement, the ECFM3Z Turbulent Combustion Model, and the TKI Tabulated Auto-Ignition Model for Diesel Engine CFD Simulations. , 2016, , .		7
120	Evaluation of Different Tabulation Techniques Dedicated to the Prediction of the Combustion and Pollutants Emissions on a Diesel Engine with 3D CFD. , 2013, , .		6
121	A Two-Dimensional Tabulated Flamelet Combustion Model for Furnace Applications. <i>Flow, Turbulence and Combustion</i> , 2016, 97, 631-662.	2.6	6
122	Neurologic Complications of Infective Endocarditis. <i>Critical Care Medicine</i> , 2019, 47, e685-e692.	0.9	6
123	Innovative application of nested PCR for detection of <i>Porphyromonas gingivalis</i> in human highly calcified atherothrombotic plaques. <i>Journal of Oral Microbiology</i> , 2020, 12, 1742523.	2.7	6
124	Persistence of Intraluminal Thrombus Makes Saccular Aneurysm More Biologically Active than Fusiform in an Experimental Rat Model. <i>Journal of Vascular Research</i> , 2020, 57, 164-176.	1.4	6
125	Regarding a multilayer stent in the aorta may not seal the aneurysm, thereby leading to rupture. <i>Journal of Vascular Surgery</i> , 2013, 57, 605.	1.1	5
126	A simplified CMC approach based on tabulated reaction rates applied to a lifted methane-air jet flame. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 1393-1399.	3.9	5

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127	Evaluation of different turbulent combustion models based on tabulated chemistry using DNS of heterogeneous mixtures. <i>Combustion Theory and Modelling</i> , 2017, 21, 440-465.	1.9	5
128	Role of Biomechanical Stress in the Pathology of the Aorta. , 2019, , 163-180.		2
129	Evaluation of Different Turbulent Combustion Models Based on Tabulated Chemistry Using DNS of Heterogeneous Mixtures Under Multi-injection Diesel Engine-Relevant Conditions. <i>Flow, Turbulence and Combustion</i> , 2021, 107, 479-515.	2.6	1
130	Reply. <i>Journal of Vascular Surgery</i> , 2015, 62, 1386-1387.	1.1	0
131	Vascular smooth muscle cell dysfunction: role in arterial stiffening and cardiovascular disease. , 2022, , 341-357.		0