Patrick Bruneval

List of Publications by Year
in descending order

51 papers	2,856 citations	304743 22 h-index	214800 47 g-index
52 all docs	52 docs citations	52 times ranked	5221 citing authors

#	Article	IF	Citations
1	B lymphocytes trigger monocyte mobilization and impair heart function after acute myocardial infarction. Nature Medicine, 2013, 19, 1273-1280.	30.7	422
2	Mitral valve diseaseâ€"morphology and mechanisms. Nature Reviews Cardiology, 2015, 12, 689-710.	13.7	281
3	Consensus statement on surgical pathology of the aorta from the Society for Cardiovascular Pathology and the Association for European Cardiovascular Pathology: I. Inflammatory diseases. Cardiovascular Pathology, 2015, 24, 267-278.	1.6	238
4	Consensus statement on surgical pathology of the aorta from the Society for Cardiovascular Pathology and the Association For European Cardiovascular Pathology: II. Noninflammatory degenerative diseases â€" nomenclature and diagnostic criteria. Cardiovascular Pathology, 2016, 25, 247-257.	1.6	208
5	MicroRNAs as non-invasive biomarkers of heart transplant rejection. European Heart Journal, 2014, 35, 3194-3202.	2.2	170
6	PHACTR1 Is a Genetic Susceptibility Locus for Fibromuscular Dysplasia Supporting Its Complex Genetic Pattern of Inheritance. PLoS Genetics, 2016, 12, e1006367.	3.5	146
7	Gene Expression Profiling for the Identification and Classification of Antibody-Mediated Heart Rejection. Circulation, 2017, 135, 917-935.	1.6	139
8	Towards a clinical use of human embryonic stem cell-derived cardiac progenitors: a translational experience. European Heart Journal, 2015, 36, 743-750.	2.2	137
9	Control of the T Follicular Helperâ€"Germinal Center B-Cell Axis by CD8 ⁺ Regulatory T Cells Limits Atherosclerosis and Tertiary Lymphoid Organ Development. Circulation, 2015, 131, 560-570.	1.6	130
10	Genetic association analyses highlight biological pathways underlying mitral valve prolapse. Nature Genetics, 2015, 47, 1206-1211.	21.4	103
11	TREM-1 Mediates Inflammatory Injury and Cardiac Remodeling Following Myocardial Infarction. Circulation Research, 2015, 116, 1772-1782.	4.5	102
12	Mast cells regulate myofilament calcium sensitization and heart function after myocardial infarction. Journal of Experimental Medicine, 2016, 213, 1353-1374.	8.5	97
13	Long-term functional benefits of human embryonic stem cell-derived cardiac progenitors embedded into a fibrin scaffold. Journal of Heart and Lung Transplantation, 2015, 34, 1198-1207.	0.6	80
14	Genetic and Pharmacological Inhibition of TREM-1 Limits the Development of Experimental Atherosclerosis. Journal of the American College of Cardiology, 2016, 68, 2776-2793.	2.8	76
15	The tetraspanin CD9 controls migration and proliferation of parietal epithelial cells and glomerular disease progression. Nature Communications, 2019, 10, 3303.	12.8	52
16	Identification and Characterization of Trajectories of Cardiac Allograft Vasculopathy After Heart Transplantation. Circulation, 2020, 141, 1954-1967.	1.6	50
17	Circumferential Esophageal Replacement by a Tissue-engineered Substitute Using Mesenchymal Stem Cells. Cell Transplantation, 2017, 26, 1831-1839.	2.5	49
18	Determinants and Outcomes of Accelerated Arteriosclerosis. Circulation Research, 2015, 117, 470-482.	4.5	41

#	Article	IF	Citations
19	Nuclear Factor Erythroid 2-Related Factor 2 Drives Podocyte-Specific Expression of Peroxisome Proliferator-Activated Receptor Î³ Essential for Resistance to Crescentic GN. Journal of the American Society of Nephrology: JASN, 2016, 27, 172-188.	6.1	38
20	TREM-1 orchestrates angiotensin IIâ€“induced monocyte trafficking and promotes experimental abdominal aortic aneurysm. Journal of Clinical Investigation, 2021, 131, .	8.2	36
21	Circumferential esophageal replacement using a tube-shaped tissue-engineered substitute: An experimental study in minipigs. Surgery, 2015, 158, 266-277.	1.9	35
22	Bone marrow-derived mesenchymal stem cell-loaded fibrin patches act as a reservoir of paracrine factors in chronic myocardial infarction. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3417-3427.	2.7	28
23	A clinicalâ€grade acellular matrix for esophageal replacement. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 2191-2203.	2.7	20
24	Rare loss-of-function mutations of PTGIR are enriched in fibromuscular dysplasia. Cardiovascular Research, 2021, 117, 1154-1165.	3.8	20
25	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
26	HPV RNA CISH score identifies two prognostic groups in a p16 positive oropharyngeal squamous cell carcinoma population. Modern Pathology, 2018, 31, 1645-1652.	5.5	13
27	A Brief Period of Hypothermia Induced by Total Liquid Ventilation Decreases End-Organ Damage and Multiorgan Failure Induced by Aortic Cross-Clamping. Anesthesia and Analgesia, 2016, 123, 659-669.	2.2	11
28	Chromatin Accessibility of Human Mitral Valves and Functional Assessment of MVP Risk Loci. Circulation Research, 2021, 128, e84-e101.	4.5	10
29	Argon attenuates multiorgan failure following experimental aortic crossâ€clamping. British Journal of Clinical Pharmacology, 2018, 84, 1170-1179.	2.4	9
30	Long-Term Engraftment (16 Years) of Myoblasts in a Human Infarcted Heart. Stem Cells Translational Medicine, 2018, 7, 705-708.	3.3	9
31	Nonâ€invasive recanalization of deep venous thrombosis by high frequency ultrasound in a swine model with followâ€up. Journal of Thrombosis and Haemostasis, 2020, 18, 2889-2898.	3.8	9
32	Impact of histopathological changes in ascending aortic diseases. International Journal of Cardiology, 2020, 311, 91-96.	1.7	9
33	Rupture of mitral valve chordae in hypertrophic cardiomyopathy. Archives of Cardiovascular Diseases, 2015, 108, 244-249.	1.6	8
34	Carotid Plaque Vulnerability Assessed by Combined Shear Wave Elastography and Ultrafast Doppler Compared to Histology. Translational Stroke Research, 2022, 13, 100-111.	4.2	8
35	Circumferential esophageal replacement by a decellularized esophageal matrix in a porcine model. Surgery, 2022, 171, 384-392.	1.9	7
36	Complement Activation and Thrombotic Microangiopathy Associated With Monoclonal Gammopathy: A National French Case Series. American Journal of Kidney Diseases, 2022, 80, 341-352.	1.9	7

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37	Comparison of the damage to aorta wall in aortitis versus noninflammatory degenerative aortic diseases. Cardiovascular Pathology, 2021, 52, 107329.	1.6	6
38	Mitral valve granulomatosis: A paradoxical reaction complicating etanercept treatment in rheumatoid arthritis. A case report. Joint Bone Spine, 2021, 88, 105183.	1.6	6
39	RNA sequencing of chronic GVHD skin lesions defines shared and unique inflammatory pathways characterizing lichen planus and morphea. Blood Advances, 2022, 6, 2805-2811.	5.2	6
40	A neuropathological study of cerebrovascular abnormalities in a signal transducer and activator of transcription 3â€“deficient patient. Journal of Allergy and Clinical Immunology, 2015, 136, 1418-1421.e5.	2.9	5
41	Argon Attenuates Multiorgan Failure in Relation with HMGB1 Inhibition. International Journal of Molecular Sciences, 2021, 22, 3257.	4.1	5
42	Vascular malformation in a bicuspid aortic valve. Cardiovascular Pathology, 2019, 38, 39-41.	1.6	3
43	Evaluation of Liver Quality after Circulatory Death versus Brain Death: A Comparative Preclinical Pig Model Study. International Journal of Molecular Sciences, 2020, 21, 9040.	4.1	3
44	Sub-aortic obstruction of left ventricular outflow tract secondary to benfluorex-induced endocardial fibrosis. IJC Heart and Vasculature, 2015, 9, 67-69.	1.1	2
45	Antitumoral Effect of Mural Cells Assessed With High-Resolution MRI and Fluorescence Microscopy. American Journal of Roentgenology, 2015, 205, W11-W18.	2.2	2
46	Response by Loupy et al to Letters Regarding Article, â€œGene Expression Profiling for the Identification and Classification of Antibody-Mediated Heart Rejectionâ€• Circulation, 2017, 136, 698-699.	1.6	2
47	Surgical management of an aortic root dilatation in a patient suffering from Hunter syndrome. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 819-821.	1.1	2
48	The Case | A man with hypertension, respiratory distress, and rapidly progressive renal failure. Kidney International, 2016, 89, 509-510.	5.2	0
49	Coxiella burnetii endocarditis on bioprosthetic aortic valve, with peripheral arterial embolism. Cardiovascular Pathology, 2018, 34, 38-39.	1.6	0
50	201.â€ƒTETRASPANIN CD9 EXPRESSION IN PARIETAL EPITHELIAL CELLS DRIVES GLOMERULAR INJURY DURING CRESCENTIC RAPIDLY PROGRESSIVE GLOMERULONEPHRITIS. Rheumatology, 2019, 58, .	1.9	0
51	Dynamic contrast enhanced â€“ MRI efficiency in detecting embolization-induced perfusion defects in a rabbit model of critical-limb-ischemia. Magnetic Resonance Imaging, 2022, 87, 88-96.	1.8	0