

Julien Pottecher

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

6,010
citations

159585

30
h-index

74163

75
g-index

119
all docs

119
docs citations

119
times ranked

6369
citing authors

#	ARTICLE	IF	CITATIONS
1	Mortality after surgery in Europe: a 7 day cohort study. <i>Lancet, The</i> , 2012, 380, 1059-1065.	13.7	1,614
2	Both passive leg raising and intravascular volume expansion improve sublingual microcirculatory perfusion in severe sepsis and septic shock patients. <i>Intensive Care Medicine</i> , 2010, 36, 1867-1874.	8.2	677
3	Ultrasonography of the optic nerve sheath may be useful for detecting raised intracranial pressure after severe brain injury. <i>Intensive Care Medicine</i> , 2007, 33, 1704-1711.	8.2	404
4	Early use of polymyxin B hemoperfusion in patients with septic shock due to peritonitis: a multicenter randomized control trial. <i>Intensive Care Medicine</i> , 2015, 41, 975-984.	8.2	305
5	Liberal or Conservative Oxygen Therapy for Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , 2020, 382, 999-1008.	27.0	290
6	Sodium bicarbonate therapy for patients with severe metabolic acidaemia in the intensive care unit (BICAR-ICU): a multicentre, open-label, randomised controlled, phase 3 trial. <i>Lancet, The</i> , 2018, 392, 31-40.	13.7	232
7	Effect of Noninvasive Ventilation on Tracheal Reintubation Among Patients With Hypoxemic Respiratory Failure Following Abdominal Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 1345.	7.4	184
8	Microcirculatory Alterations in Traumatic Hemorrhagic Shock*. <i>Critical Care Medicine</i> , 2014, 42, 1433-1441.	0.9	152
9	Risk factors and outcomes for airway failure versus non-airway failure in the intensive care unit: a multicenter observational study of 1514 extubation procedures. <i>Critical Care</i> , 2018, 22, 236.	5.8	101
10	Clinical relevance of pulse pressure variations for predicting fluid responsiveness in mechanically ventilated intensive care unit patients: the grey zone approach. <i>Critical Care</i> , 2014, 18, 587.	5.8	100
11	Mitochondria: An Organelle of Bacterial Origin Controlling Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 536.	4.8	100
12	Effect of Hydroxyethyl Starch vs Saline for Volume Replacement Therapy on Death or Postoperative Complications Among High-Risk Patients Undergoing Major Abdominal Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 225.	7.4	94
13	Expertsâ€™ guidelines of intubation and extubation of the ICU patient of French Society of Anaesthesia and Intensive Care Medicine (SFAR) and French-speaking Intensive Care Society (SRLF). <i>Annals of Intensive Care</i> , 2019, 9, 13.	4.6	83
14	Renal Resistive Index Better Predicts the Occurrence of Acute Kidney Injury Than Cystatin C. <i>Shock</i> , 2012, 38, 592-597.	2.1	82
15	Mitochondria: Mitochondrial participation in ischemiaâ€™reperfusion injury in skeletal muscle. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 101-105.	2.8	71
16	Intubation and extubation of the ICU patient. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2017, 36, 327-341.	1.4	63
17	Guidelines: Anaesthesia in the context of COVID-19 pandemic. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 395-415.	1.4	60
18	A national healthcare response to intensive care bed requirements during the COVID-19 outbreak in France. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 709-715.	1.4	54

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19	Disseminated Trichosporon mycotoxinivorans, Aspergillus fumigatus, and Scedosporium apiospermum Coinfection after Lung and Liver Transplantation in a Cystic Fibrosis Patient. <i>Journal of Clinical Microbiology</i> , 2012, 50, 4168-4170.	3.9	52
20	Plasma fibrinogen level on admission to the intensive care unit is a powerful predictor of postoperative bleeding after cardiac surgery with cardiopulmonary bypass. <i>Thrombosis Research</i> , 2014, 134, 360-368.	1.7	51
21	Cerebrospinal Fluid Features in Patients With Coronavirus Disease 2019 and Neurological Manifestations: Correlation with Brain Magnetic Resonance Imaging Findings in 58 Patients. <i>Journal of Infectious Diseases</i> , 2021, 223, 600-609.	4.0	47
22	Remote and local ischemic preconditioning equivalently protects rat skeletal muscle mitochondrial function during experimental aortic cross-clamping. <i>Journal of Vascular Surgery</i> , 2012, 55, 497-505.e1.	1.1	45
23	Prehospital shock index and pulse pressure/heart rate ratio to predict massive transfusion after severe trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2016, 81, 713-722.	2.1	43
24	Outcomes of <i>Stenotrophomonas maltophilia</i> hospital-acquired pneumonia in intensive care unit: a nationwide retrospective study. <i>Critical Care</i> , 2019, 23, 371.	5.8	41
25	The Limits of Succinylcholine for Critically Ill Patients. <i>Anesthesia and Analgesia</i> , 2012, 115, 873-879.	2.2	37
26	Cyclosporine A normalizes mitochondrial coupling, reactive oxygen species production, and inflammation and partially restores skeletal muscle maximal oxidative capacity in experimental aortic cross-clamping. <i>Journal of Vascular Surgery</i> , 2013, 57, 1100-1108.e2.	1.1	37
27	Increased Extravascular Lung Water and Plasma Biomarkers of Acute Lung Injury Precede Oxygenation Impairment in Primary Graft Dysfunction After Lung Transplantation. <i>Transplantation</i> , 2017, 101, 112-121.	1.0	37
28	Early management of severe abdominal trauma. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 269-277.	1.4	37
29	B-type natriuretic peptide (BNP) and N-terminal-proBNP for heart failure diagnosis in shock or acute respiratory distress. <i>Acta Anaesthesiologica Scandinavica</i> , 2006, 50, 340-347.	1.6	33
30	Skeletal muscle oxygenation in severe trauma patients during haemorrhagic shock resuscitation. <i>Critical Care</i> , 2015, 19, 141.	5.8	33
31	Prediction Score for Postoperative Neurologic Complications after Brain Tumor Craniotomy. <i>Anesthesiology</i> , 2018, 129, 1111-1120.	2.5	31
32	Written information that relatives of adult intensive care unit patients would like to receive—a comparison to published recommendations and opinion of staff members*. <i>Critical Care Medicine</i> , 2009, 37, 2197-2202.	0.9	30
33	Remote Effects of Lower Limb Ischemia-Reperfusion: Impaired Lung, Unchanged Liver, and Stimulated Kidney Oxidative Capacities. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	29
34	Skeletal Muscle and Lymphocyte Mitochondrial Dysfunctions in Septic Shock Trigger ICU-Acquired Weakness and Sepsis-Induced Immunoparalysis. <i>BioMed Research International</i> , 2017, 2017, 1-12.	1.9	28
35	Theory and practical use of Bayesian methods in interpreting clinical trial data: a narrative review. <i>British Journal of Anaesthesia</i> , 2020, 125, 201-207.	3.4	28
36	Does thoracic epidural analgesia improve outcome after lung transplantation?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011, 12, 51-53.	1.1	27

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37	The heart regulates the endocrine response to heart failure: cardiac contribution to circulating neprilysin. <i>European Heart Journal</i> , 2018, 39, 1794-1798.	2.2	27
38	Performance and economic evaluation of the molecular detection of pathogens for patients with severe infections: the EVAMICA open-label, cluster-randomised, interventional crossover trial. <i>Intensive Care Medicine</i> , 2017, 43, 1613-1625.	8.2	26
39	Diabetes Worsens Skeletal Muscle Mitochondrial Function, Oxidative Stress, and Apoptosis After Lower-Limb Ischemia-Reperfusion: Implication of the RISK and SAFE Pathways?. <i>Frontiers in Physiology</i> , 2018, 9, 579.	2.8	25
40	Remote and local ischemic postconditioning further impaired skeletal muscle mitochondrial function after ischemia-reperfusion. <i>Journal of Vascular Surgery</i> , 2012, 56, 774-782.e1.	1.1	24
41	Tailored multicomponent program for discomfort reduction in critically ill patients may decrease post-traumatic stress disorder in general ICU survivors at 1 year. <i>Intensive Care Medicine</i> , 2019, 45, 223-235.	8.2	22
42	Factors associated with early graft dysfunction in cystic fibrosis patients receiving primary bilateral lung transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 41, 686-690.	1.4	21
43	Strategic proposal for a national trauma system in France. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2019, 38, 121-130.	1.4	21
44	Continuous Pneumatic Regulation of Tracheal Cuff Pressure to Decrease Ventilator-associated Pneumonia in Trauma Patients Who Were Mechanically Ventilated. <i>Chest</i> , 2021, 160, 499-508.	0.8	21
45	The assessment of the quality of the graft in an animal model for lung transplantation using the metabolomics ¹ H high-resolution magic angle spinning NMR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1026-1038.	3.0	20
46	Cyclosporine before PCI in Acute Myocardial Infarction. <i>New England Journal of Medicine</i> , 2016, 374, 88-90.	27.0	20
47	A tailored multicomponent program to reduce discomfort in critically ill patients: a cluster-randomized controlled trial. <i>Intensive Care Medicine</i> , 2017, 43, 1829-1840.	8.2	20
48	Intubating laryngeal mask airway placement by non-physician healthcare providers in management out-of-hospital cardiac arrests: A case series. <i>Resuscitation</i> , 2014, 85, 320-325.	3.0	19
49	French multicentre observational study on SARS-CoV-2 infections intensive care initial management: the FRENCH CORONA study. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2021, 40, 100931.	1.4	19
50	Effect of fibrinogen concentrate administration on early mortality in traumatic hemorrhagic shock: A propensity score analysis. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 661-670.	2.1	19
51	Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome After Pneumonectomy. <i>Annals of Thoracic Surgery</i> , 2017, 103, 881-889.	1.3	18
52	The pulse pressure/heart rate ratio as a marker of stroke volume changes during hemorrhagic shock and resuscitation in anesthetized swine. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 74, 1438-1445.	2.1	16
53	Exclusive Low-Molecular-Weight Heparin as Bridging Anticoagulant After Mechanical Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2014, 97, 789-795.	1.3	16
54	Skeletal muscle ischemia-reperfusion injury and cyclosporine A in the aging rat. <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 216-225.	1.9	16

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55	Stroke Thrombectomy in Patients with COVID-19: Initial Experience in 13 Cases. <i>American Journal of Neuroradiology</i> , 2020, 41, 2012-2016.	2.4	16
56	Guidelines for the acute care of severe limb trauma patients. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2021, 40, 100862.	1.4	15
57	In Vitro Plasma-Induced Endothelial Oxidative Stress and Circulating Markers of Endothelial Dysfunction in Preeclampsia: An Observational Study. <i>Hypertension in Pregnancy</i> , 2009, 28, 212-223.	1.1	13
58	Cytokine response and reactive oxygen species production after low- and intermediate-risk surgery. <i>Acta Anaesthesiologica Scandinavica</i> , 2011, 55, 549-557.	1.6	13
59	Impact of the SARS-COV-2 outbreak on epidemiology and management of major traumain France: a registry-based study (the COVITRAUMA study). <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2021, 29, 51.	2.6	13
60	Evolution of Neuroimaging Findings in Severe COVID-19 Patients with Initial Neurological Impairment: An Observational Study. <i>Viruses</i> , 2022, 14, 949.	3.3	13
61	Early hyperoxemia is associated with lower adjusted mortality after severe trauma: results from a French registry. <i>Critical Care</i> , 2020, 24, 604.	5.8	12
62	Protocol for TRAUMADORNASE: a prospective, randomized, multicentre, double-blinded, placebo-controlled clinical trial of aerosolized dornase alfa to reduce the incidence of moderate-to-severe hypoxaemia in ventilated trauma patients. <i>Trials</i> , 2020, 21, 274.	1.6	12
63	Local anesthesia versus general anesthesia during endovascular therapy for acute stroke: a propensity score analysis. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 207-211.	3.3	12
64	Resting-state networks distinguish locked-in from vegetative state patients. <i>NeuroImage: Clinical</i> , 2016, 12, 16-22.	2.7	11
65	Multicentre randomised controlled trial to investigate the usefulness of continuous pneumatic regulation of tracheal cuff pressure for reducing ventilator-associated pneumonia in mechanically ventilated severe trauma patients: the AGATE study protocol. <i>BMJ Open</i> , 2017, 7, e017003.	1.9	11
66	Preliminary pragmatic lessons from the SARS-CoV-2 pandemic in France. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 329-332.	1.4	11
67	Assessment of patients' self-perceived intensive care unit discomforts: Validation of the 18-item version of the IPREA. <i>Health and Quality of Life Outcomes</i> , 2019, 17, 29.	2.4	10
68	Tumefactive inflammatory leukoencephalopathy in cocaine users: Report of three cases. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 38, 101496.	2.0	10
69	Risk factors and events in the adult intensive care unit associated with pain as self-reported at the end of the intensive care unit stay. <i>Critical Care</i> , 2020, 24, 685.	5.8	9
70	A consensus checklist to help clinicians interpret clinical trial results analysed by Bayesian methods. <i>British Journal of Anaesthesia</i> , 2020, 125, 208-215.	3.4	9
71	Î2-adrenergic agonist protects human endothelial cells from hypoxia/reoxygenation injury in vitro. <i>Critical Care Medicine</i> , 2006, 34, 165-172.	0.9	8
72	Prevention of laparoscopic surgery induced hypothermia with warmed humidified insufflation: Is the experimental combination of a warming blanket synergistic?. <i>PLoS ONE</i> , 2018, 13, e0199369.	2.5	7

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73	Editorial: Trauma-Induced, DAMP-Mediated Remote Organ Injury, and Immunosuppression in the Acutely Ill Patient. <i>Frontiers in Immunology</i> , 2019, 10, 1971.	4.8	7
74	Extensive pulmonary embolism after severe postpartum haemorrhage: management with an inferior vena cava filter. <i>International Journal of Obstetric Anesthesia</i> , 2014, 23, 390-393.	0.4	6
75	Comparative analysis of resuscitation using human serum albumin and crystalloids or 130/0.4 hydroxyethyl starch and crystalloids on skeletal muscle metabolic profile during experimental haemorrhagic shock in swine. <i>European Journal of Anaesthesiology</i> , 2017, 34, 89-97.	1.7	6
76	A novel, automated, quantification of abnormal lung parenchyma in patients with COVID-19 infection: Initial description of feasibility and association with clinical outcome. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2021, 40, 100780.	1.4	6
77	Vascular endothelial growth factor D is a biomarker of fluid overload in haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, 529-536.	0.7	5
78	Intrahospital trauma flowcharts – Cognitive aids for intrahospital trauma management from the French Society of Anaesthesia and Intensive Care Medicine (SFAR) and the French Society of Emergency Medicine (SFMU). <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2022, 41, 101069.	1.4	5
79	Cold ischemia with selective anterograde <i>in situ</i> pulmonary perfusion preserves gas exchange and mitochondrial homeostasis and curbs inflammation in an experimental model of donation after cardiac death. <i>Transplant International</i> , 2013, 26, 1027-1037.	1.6	4
80	Urapidil versus nicardipine in preeclamptic toxemia. <i>European Journal of Anaesthesiology</i> , 2015, 32, 822-823.	1.7	4
81	Diffusion tensor imaging reveals diffuse white matter injuries in locked-in syndrome patients. <i>PLoS ONE</i> , 2019, 14, e0213528.	2.5	4
82	Management of a Major Carbapenem-Resistant <i>Acinetobacter baumannii</i> Outbreak in a French Intensive Care Unit While Maintaining Its Capacity Unaltered. <i>Microorganisms</i> , 2022, 10, 720.	3.6	4
83	Re. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 75, 921-922.	2.1	3
84	Validation of MRI for Volumetric Quantification of Atelectasis in the Perioperative Period: An Experimental Study in Swine. <i>Frontiers in Physiology</i> , 2019, 10, 695.	2.8	3
85	Surgical Support for Severe COVID-19 Patients: A Retrospective Cohort Study in a French High-Density COVID-19 Cluster. <i>Surgical Innovation</i> , 2020, 27, 564-569.	0.9	3
86	Deleterious Effects of Remote Ischaemic Pre-conditioning During Lower Limb Ischaemia – Reperfusion in Mice. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 953-959.	1.5	3
87	Focal neurological deficit with tricuspid endocarditis and patent foramen ovale. <i>Intensive Care Medicine</i> , 2012, 38, 2081-2082.	8.2	2
88	Impact of nitrous oxide on the haemodynamic consequences of venous carbon dioxide embolism. <i>European Journal of Anaesthesiology</i> , 2016, 33, 356-360.	1.7	2
89	Occult Cerebral Abscess Revealed by FDG PET/CT in a Case of Unresponsive Wakefulness Syndrome. <i>Clinical Nuclear Medicine</i> , 2019, 44, 57-58.	1.3	2
90	Critical airway management in the intensive care unit: homogeneity in practice?. <i>British Journal of Anaesthesia</i> , 2019, 122, 533-536.	3.4	2

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91	Atypical Right Pulmonary Artery Dissection Complicating Severe Blunt Chest Trauma. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 137-139.	0.6	2
92	Implementation of a weaning algorithm in postoperative cardiac ICU: simple enough to be implemented in ventilator software. Annales Francaises D'Anesthesie Et De Reanimation, 2007, 26, 305.e1-305.e6.	1.4	1
93	Urgence vitale intra-hospitalière: État des lieux en 2018. Anesthésie & Réanimation, 2019, 5, 259-264.	0.1	1
94	Anesthésie pour fracture de l'extrémité supérieure du fémur. Anesthésie & Réanimation, 2020, 6, 252-261.	0.1	1
95	European standard internal telephone number 2222 for in-hospital emergency calls: A national survey in all French military training hospitals. Resuscitation Plus, 2022, 10, 100228.	1.7	1
96	Fibroscope virtuelle. Praticien En Anesthesie Reanimation, 2011, 15, 253-255.	0.0	0
97	Anticoagulants oraux directs chez la personne âgée, point de vue de l'anesthésiste-réanimateur. Les Cahiers De L'annee Gerontologique, 2015, 7, 107-112.	0.0	0
98	Routine use of viscoelastic tests for severe trauma management: The bright side. Anaesthesia, Critical Care & Pain Medicine, 2019, 38, 445-447.	1.4	0
99	Organisation d'un détachement pour renfort médical en situation de crise sanitaire lors de la pandémie COVID-19: retour sur une collaboration entre les CHU de Lille et de Strasbourg. Anesthésie & Réanimation, 2020, 6, 363-367.	0.1	0
100	Le point de vue du patient concernant son état de santé en médecine préhospitalière: outils et applications. Anesthésie & Réanimation, 2020, 6, 175-181.	0.1	0
101	Mécanismes immunologiques post-traumatiques: de l'attrition tissulaire à la défaillance d'organes. Anesthésie & Réanimation, 2020, 6, 161-174.	0.1	0
102	Cognitive flowcharts to support the multidisciplinary prehospital and intrahospital care of severe pelvic trauma patients: Strengthening the chain of survival and closing the ring. Anaesthesia, Critical Care & Pain Medicine, 2022, 41, 101079.	1.4	0