

Antoine Roquilly

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

3,948
citations

147801

31
h-index

133252

59
g-index

116
all docs

116
docs citations

116
times ranked

4492
citing authors

#	ARTICLE	IF	CITATIONS
1	Enteral versus parenteral early nutrition in ventilated adults with shock: a randomised, controlled, multicentre, open-label, parallel-group study (NUTRIREA-2). <i>Lancet, The</i> , 2018, 391, 133-143.	13.7	371
2	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
3	High-flow nasal cannula oxygen during endotracheal intubation in hypoxemic patients: a randomized controlled clinical trial. <i>Intensive Care Medicine</i> , 2015, 41, 1538-1548.	8.2	215
4	Hydrocortisone Therapy for Patients With Multiple Trauma. <i>JAMA - Journal of the American Medical Association</i> , 2011, 305, 1201.	7.4	175
5	Hospital-acquired pneumonia in ICU. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2018, 37, 83-98.	1.4	135
6	Local Modulation of Antigen-Presenting Cell Development after Resolution of Pneumonia Induces Long-Term Susceptibility to Secondary Infections. <i>Immunity</i> , 2017, 47, 135-147.e5.	14.3	133
7	Balanced Opioid-free Anesthesia with Dexmedetomidine versus Balanced Anesthesia with Remifentanyl for Major or Intermediate Noncardiac Surgery. <i>Anesthesiology</i> , 2021, 134, 541-551.	2.5	132
8	Alveolar macrophages are epigenetically altered after inflammation, leading to long-term lung immunoparalysis. <i>Nature Immunology</i> , 2020, 21, 636-648.	14.5	128
9	A Randomized, Double-blind, Multicenter Trial Comparing Efficacy and Safety of Imipenem/Cilastatin/Relebactam Versus Piperacillin/Tazobactam in Adults With Hospital-acquired or Ventilator-associated Bacterial Pneumonia (RESTORE-IMI 2 Study). <i>Clinical Infectious Diseases</i> , 2021, 73, e4539-e4548.	5.8	114
10	Pneumonia Prevention to Decrease Mortality in Intensive Care Unit: A Systematic Review and Meta-analysis. <i>Clinical Infectious Diseases</i> , 2015, 60, 64-75.	5.8	102
11	Hydrocortisone and fludrocortisone for prevention of hospital-acquired pneumonia in patients with severe traumatic brain injury (Corti-TC): a double-blind, multicentre phase 3, randomised placebo-controlled trial. <i>Lancet Respiratory Medicine</i> , 2014, 2, 706-716.	10.7	98
12	Trauma-Induced Damage-Associated Molecular Patterns-Mediated Remote Organ Injury and Immunosuppression in the Acutely Ill Patient. <i>Frontiers in Immunology</i> , 2018, 9, 1330.	4.8	95
13	Experts'™ 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	A multi-faceted strategy to reduce ventilation-associated mortality in brain-injured patients. The BI-VILI project: a nationwide quality improvement project. <i>Intensive Care Medicine</i> , 2017, 43, 957-970.	8.2	81
15	Implementation of an Evidence-based Extubation Readiness Bundle in 499 Brain-injured Patients. A Before-After Evaluation of a Quality Improvement Project. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 958-966.	5.6	75
16	Distinct immunological signatures discriminate severe COVID-19 from non-SARS-CoV-2-driven critical pneumonia. <i>Immunity</i> , 2021, 54, 1578-1593.e5.	14.3	75
17	Extubation Success Prediction in a Multicentric Cohort of Patients with Severe Brain Injury. <i>Anesthesiology</i> , 2017, 127, 338-346.	2.5	73
18	Terminal weaning or immediate extubation for withdrawing mechanical ventilation in critically ill patients (the ARREVE observational study). <i>Intensive Care Medicine</i> , 2017, 43, 1793-1807.	8.2	73

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19	Pulmonary infections complicating ARDS. <i>Intensive Care Medicine</i> , 2020, 46, 2168-2183.	8.2	69
20	Continuous controlled-infusion of hypertonic saline solution in traumatic brain-injured patients: a 9-year retrospective study. <i>Critical Care</i> , 2011, 15, R260.	5.8	67
21	Retrospective Analysis of the Risk Factors and Pathogens Associated With Early-onset Ventilator-associated Pneumonia in Surgical-ICU Head-trauma Patients. <i>Journal of Neurosurgical Anesthesiology</i> , 2010, 22, 32-37.	1.2	64
22	Effect of Continuous Infusion of Hypertonic Saline vs Standard Care on 6-Month Neurological Outcomes in Patients With Traumatic Brain Injury. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 2056.	7.4	64
23	Respiratory Management in Patients with Severe Brain Injury. <i>Critical Care</i> , 2018, 22, 76.	5.8	61
24	Contribution of Dendritic Cell Responses to Sepsis-Induced Immunosuppression and to Susceptibility to Secondary Pneumonia. <i>Frontiers in Immunology</i> , 2018, 9, 2590.	4.8	52
25	Innate Immune Dysfunction in Trauma Patients. <i>Anesthesiology</i> , 2012, 117, 411-416.	2.5	46
26	Association between continuous hyperosmolar therapy and survival in patients with traumatic brain injury – a multicentre prospective cohort study and systematic review. <i>Critical Care</i> , 2017, 21, 328.	5.8	43
27	Depletion of Natural Killer Cells Increases Mice Susceptibility in a <i>Pseudomonas aeruginosa</i> Pneumonia Model*. <i>Critical Care Medicine</i> , 2014, 42, e441-e450.	0.9	42
28	Prevalence of iron deficiency on ICU discharge and its relation with fatigue: a multicenter prospective study. <i>Critical Care</i> , 2014, 18, 542.	5.8	41
29	French intensive care unit organisation. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2018, 37, 625-627.	1.4	38
30	Etomidate increases susceptibility to pneumonia in trauma patients. <i>Intensive Care Medicine</i> , 2012, 38, 1673-1682.	8.2	37
31	Hydrocortisone Prevents Immunosuppression by Interleukin-10+ Natural Killer Cells After Trauma-Hemorrhage. <i>Critical Care Medicine</i> , 2014, 42, e752-e761.	0.9	36
32	Brief summary of French guidelines for the prevention, diagnosis and treatment of hospital-acquired pneumonia in ICU. <i>Annals of Intensive Care</i> , 2018, 8, 104.	4.6	32
33	Interleukin-22 level is negatively correlated with neutrophil recruitment in the lungs in a <i>Pseudomonas aeruginosa</i> pneumonia model. <i>Scientific Reports</i> , 2017, 7, 11010.	3.3	31
34	A Phase 3, Randomized, Double-Blind Study Comparing Tedizolid Phosphate and Linezolid for Treatment of Ventilated Gram-Positive Hospital-Acquired or Ventilator-Associated Bacterial Pneumonia. <i>Clinical Infectious Diseases</i> , 2021, 73, e710-e718.	5.8	31
35	Dobutamine-Induced High Cardiac Index did not Prevent Vasospasm in Subarachnoid Hemorrhage Patients: A Randomized Controlled Pilot Study. <i>Neurocritical Care</i> , 2012, 17, 183-190.	2.4	30
36	Effects of tight computerized glucose control on neurological outcome in severely brain injured patients: a multicenter sub-group analysis of the randomized-controlled open-label CGAO-REA study. <i>Critical Care</i> , 2014, 18, 498.	5.8	29

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37	French recommendations for the management of patients with spinal cord injury or at risk of spinal cord injury. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 279-289.	1.4	29
38	Impaired Blood Dendritic Cell Numbers and Functions after Aneurysmal Subarachnoid Hemorrhage. <i>PLoS ONE</i> , 2013, 8, e71639.	2.5	29
39	An In Vitro Model of Mycobacterial Granuloma to Investigate the Immune Response in Brain-Injured Patients*. <i>Critical Care Medicine</i> , 2013, 41, 245-254.	0.9	27
40	Inflammation Conditions Mature Dendritic Cells To Retain the Capacity To Present New Antigens but with Altered Cytokine Secretion Function. <i>Journal of Immunology</i> , 2014, 193, 3851-3859.	0.8	27
41	Spatiotemporal Adaptations of Macrophage and Dendritic Cell Development and Function. <i>Annual Review of Immunology</i> , 2022, 40, 525-557.	21.8	27
42	Empiric antimicrobial therapy for ventilator-associated pneumonia after brain injury. <i>European Respiratory Journal</i> , 2016, 47, 1219-1228.	6.7	25
43	Management and weaning from mechanical ventilation in neurologic patients. <i>Annals of Translational Medicine</i> , 2018, 6, 381-381.	1.7	25
44	Modulation of dendritic cell antigen presentation by pathogens, tissue damage and secondary inflammatory signals. <i>Current Opinion in Pharmacology</i> , 2014, 17, 64-70.	3.5	23
45	The role of dendritic cell alterations in susceptibility to hospital-acquired infections during critical-illness related immunosuppression. <i>Molecular Immunology</i> , 2015, 68, 120-123.	2.2	22
46	ICU physicians'™ and nurses'™ perceptions of terminal extubation and terminal weaning: a self-questionnaire study. <i>Intensive Care Medicine</i> , 2016, 42, 1248-1257.	8.2	22
47	Evaluation of the FilmArray® Pneumonia Plus Panel for Rapid Diagnosis of Hospital-Acquired Pneumonia in Intensive Care Unit Patients. <i>Frontiers in Microbiology</i> , 2020, 11, 2080.	3.5	21
48	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
49	Alveolar Macrophages: Adaptation to Their Anatomic Niche during and after Inflammation. <i>Cells</i> , 2021, 10, 2720.	4.1	21
50	COBI (COntinuous hyperosmolar therapy for traumatic Brain-Injured patients) trial protocol: a multicentre randomised open-label trial with blinded adjudication of primary outcome. <i>BMJ Open</i> , 2017, 7, e018035.	1.9	19
51	Management of severe thermal burns in the acute phase in adults and children. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 253-267.	1.4	19
52	Effect of dexamethasone on complications or all cause mortality after major non-cardiac surgery: multicentre, double blind, randomised controlled trial. <i>BMJ</i> , 2021, 373, n1162.	6.0	19
53	Tracheostomy and long-term mortality in ICU patients undergoing prolonged mechanical ventilation. <i>PLoS ONE</i> , 2019, 14, e0220399.	2.5	18
54	Risk factors for prolonged duration of mechanical ventilation in acute traumatic tetraplegic patients" a retrospective cohort study. <i>Journal of Critical Care</i> , 2014, 29, 313.e7-313.e13.	2.2	17

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55	Could Azithromycin Be Part of Pseudomonas aeruginosa Acute Pneumonia Treatment?. <i>Frontiers in Microbiology</i> , 2021, 12, 642541.	3.5	16
56	Pulse pressure variations to guide fluid therapy in donors: A multicentric echocardiographic observational study. <i>Journal of Critical Care</i> , 2014, 29, 489-494.	2.2	15
57	Interleukin-22 regulates interferon lambda expression in a mice model of pseudomonas aeruginosa pneumonia. <i>Molecular Immunology</i> , 2020, 118, 52-59.	2.2	15
58	Role of IL-12 in overcoming the low responsiveness of NK cells to missing self after traumatic brain injury. <i>Clinical Immunology</i> , 2017, 177, 87-94.	3.2	14
59	Diuretics decrease fluid balance in patients on invasive mechanical ventilation: the randomized-controlled single blind, IRIHS study. <i>Critical Care</i> , 2021, 25, 98.	5.8	14
60	Effects of antibiotic prophylaxis on ventilator-associated pneumonia in severe traumatic brain injury. A post hoc analysis of two trials. <i>Journal of Critical Care</i> , 2019, 50, 221-226.	2.2	13
61	Regulatory T Cells Expressing Tumor Necrosis Factor Receptor Type 2 Play a Major Role in CD4+ T-Cell Impairment During Sepsis. <i>Journal of Infectious Diseases</i> , 2020, 222, 1222-1234.	4.0	13
62	Phenotype and functions of B cells in patients with acute brain injuries. <i>Molecular Immunology</i> , 2015, 68, 350-356.	2.2	12
63	Exoenzyme T Plays a Pivotal Role in the IFN- γ Production after Pseudomonas Challenge in IL-12 Primed Natural Killer Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1283.	4.8	12
64	Prophylactic cefazolin concentrations in morbidly obese patients undergoing sleeve gastrectomy: do we achieve targets?. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 28-34.	2.5	12
65	Implementation of French Recommendations for the Prevention and the Treatment of Hospital-acquired Pneumonia: A Cluster-randomized Trial. <i>Clinical Infectious Diseases</i> , 2021, 73, e1601-e1610.	5.8	12
66	Potential Impact of Rapid Multiplex PCR on Antimicrobial Therapy Guidance for Ventilated Hospital-Acquired Pneumonia in Critically Ill Patients, A Prospective Observational Clinical and Economic Study. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 804611.	3.9	12
67	Impact of Serum and Plasma Matrices on the Titration of Human Inflammatory Biomarkers Using Analytically Validated SRM Assays. <i>Journal of Proteome Research</i> , 2016, 15, 2366-2378.	3.7	10
68	“You helped me keep my head above water” experience of bereavement research after loss of a loved one in the ICU: insights from the ARREVE study. <i>Intensive Care Medicine</i> , 2019, 45, 1252-1261.	8.2	10
69	Cortisol total/CRP ratio for the prediction of hospital-acquired pneumonia and initiation of corticosteroid therapy in traumatic brain-injured patients. <i>Critical Care</i> , 2019, 23, 394.	5.8	10
70	Corticotherapy for traumatic brain-injured Patients - The Corti-TC trial: study protocol for a randomized controlled trial. <i>Trials</i> , 2011, 12, 228.	1.6	9
71	Impact of iron deficiency diagnosis using hepcidin mass spectrometry dosage methods on hospital stay and costs after a prolonged ICU stay: Study protocol for a multicentre, randomised, single-blinded medico-economic trial. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2017, 36, 391-396.	1.4	9
72	HLA-DR expression in neonates after cardiac surgery under cardiopulmonary bypass: a pilot study. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 1.	1.9	9

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73	Patient factors and outcomes associated with the withdrawal or withholding of life-sustaining therapies in mechanically ventilated brain-injured patients. <i>European Journal of Anaesthesiology</i> , 2018, 35, 511-518.	1.7	8
74	Circulating Regulatory T Cells Expressing Tumor Necrosis Factor Receptor Type 2 Contribute to Sepsis-Induced Immunosuppression in Patients During Septic Shock. <i>Journal of Infectious Diseases</i> , 2021, 224, 2160-2169.	4.0	8
75	Hormone Therapy in Trauma Patients. <i>Critical Care Clinics</i> , 2019, 35, 201-211.	2.6	7
76	Impact of a Quality Improvement Program on the Neurological Outcome of Patients with Traumatic Spinal Cord Injury: A Before-After Mono-Centric Study. <i>Journal of Neurotrauma</i> , 2019, 36, 3338-3346.	3.4	7
77	PACMAN trial protocol, Perioperative Administration of Corticotherapy on Morbidity and mortality After Non-cardiac major surgery: a randomised, multicentre, double-blind, superiority study. <i>BMJ Open</i> , 2019, 9, e021262.	1.9	7
78	COVID-19, steroids and other immunomodulators: The jigsaw is not complete. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 699-701.	1.4	7
79	Feasibility and impact of the implementation of a clinical scale-based sedation-analgesia protocol in severe burn patients undergoing mechanical ventilation. A before-after bi-center study. <i>Burns</i> , 2020, 46, 1310-1317.	1.9	7
80	Monocytic Human Leukocyte Antigen DR Expression in Young Infants Undergoing Cardiopulmonary Bypass. <i>Annals of Thoracic Surgery</i> , 2021, 111, 1636-1642.	1.3	7
81	Analytical comparison of ELISA and mass spectrometry for quantification of serum hepcidin in critically ill patients. <i>Bioanalysis</i> , 2021, 13, 1029-1035.	1.5	6
82	Choice of fluid for critically ill patients: An overview of specific situations. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 837-845.	1.4	5
83	Effect of High-Dose Baclofen on Agitation-Related Events Among Patients With Unhealthy Alcohol Use Receiving Mechanical Ventilation. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 732.	7.4	5
84	Corticosteroids administration to improve outcome in high-risk surgical patients. <i>Current Opinion in Critical Care</i> , 2018, 24, 575-580.	3.2	4
85	Assessment of remifentanyl for rapid sequence induction and intubation in patients at risk of pulmonary aspiration of gastric contents compared to rapid-onset paralytic agents: study protocol for a non-inferiority simple blind randomized controlled trial (the REMICRUSH study). <i>Trials</i> , 2021, 22, 237.	1.6	4
86	The A2B trial, antibiotic prophylaxis for excision-graft surgery in burn patients: a multicenter randomized double-blind study. <i>Trials</i> , 2020, 21, 973.	1.6	3
87	<i>Pseudomonas aeruginosa</i> Infection Impairs NKG2D-Dependent NK Cell Cytotoxicity through Regulatory T-Cell Activation. <i>Infection and Immunity</i> , 2020, 88, .	2.2	3
88	Alterations of the iNKT cell compartment in brain-injured patients. <i>Critical Care</i> , 2019, 23, 234.	5.8	2
89	Immunotherapy With Antiprogrammed Cell Death 1 Antibody Improves Outcome in a Mouse Model of Spinal Cord Injury Followed by <i>Staphylococcus aureus</i> Pneumonia. <i>Critical Care Medicine</i> , 2019, 47, e28-e35.	0.9	2
90	Study protocol for a multicentre, 2Ã—2 factorial, randomised, controlled trial evaluating the interest of intravenous iron and tranexamic acid to reduce blood transfusion in hip fracture patients (the Tj ETQq0 0 0 rgBT, 10 Tf 50 5		

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91	2841. A Phase 3, Randomized, Double-Blind Study Comparing Tedizolid Phosphate (TZD) and Linezolid (LZD) for Treatment of Ventilated Gram-Positive (G+) Nosocomial Pneumonia. Open Forum Infectious Diseases, 2019, 6, S67-S67.	0.9	2
92	Continuous Infusion of Hypertonic Saline vs Standard Care and 6-Month Neurological Outcomes in Patients With Traumatic Brain Injuryâ€”Reply. JAMA - Journal of the American Medical Association, 2021, 326, 1537.	7.4	2
93	Known and unknown potentially modifiable factors contributing to outcome in brain-injured patients who need mechanical ventilatory support. Discussion on â€œThe BI-VILI project: a nationwide quality improvement projectâ€™. Intensive Care Medicine, 2017, 43, 1071-1072.	8.2	1
94	Monitoring the Adaptive Immune System in Septic Shock Patients. Critical Care Medicine, 2018, 46, 1867-1869.	0.9	1
95	ConsÃ©quences infectieuses des lÃ©sions cÃ©rÃ©brales aiguÃ©s. AnesthÃ©sie & RÃ©animation, 2020, 6, 90-95.1		1
96	Reply to Chao and Lai. Clinical Infectious Diseases, 2021, 73, 1552-1553.	5.8	1
97	Antibiotic resistance heterogeneity and LasR diversity within Pseudomonas aeruginosa populations from pneumonia in intensive care unit patients. International Journal of Antimicrobial Agents, 2021, 57, 106341.	2.5	1
98	Empiric antimicrobial therapy for early-onset pneumonia in severe trauma patients. European Journal of Trauma and Emergency Surgery, 2022, , 1.	1.7	1
99	Reply to Hurley. Clinical Infectious Diseases, 2015, 60, 1730-1731.	5.8	0
100	Reply to Kuriyama and Urushidani. Clinical Infectious Diseases, 2015, 61, 855.2-856.	5.8	0
101	Ventilation mÃ©canique et lÃ©sion cÃ©rÃ©brale aiguÃ©: comment et pour combien de tempsÂ?. Praticien En Anesthésie Réanimation, 2018, 22, 4-9.	0.0	0
102	CorticoÃ©des et sepsis. AnesthÃ©sie & RÃ©animation, 2019, 5, 186-192.	0.1	0
103	MakAir, un ventilateur nÃ© de la pandÃ©mie COVID-19â€”conÃ§u grÃ¢ce Ã lâ€™impression 3D, le numÃ©rique et lâ€™open innovation. Medecine De Catastrophe Urgences Collectives, 2020, 4, 233-240.	0.0	0
104	About prevention of early ventilator-associated pneumonia after cardiac arrest. Anaesthesia, Critical Care & Pain Medicine, 2020, 39, 9-10.	1.4	0
105	Dexamethasone for Patients Undergoing Major Noncardiac Surgery: A Multicenter, Double-Blind, Controlled Randomized Trial. SSRN Electronic Journal, 0, , .	0.4	0
106	Linking traumatic brain injury and nosocomial infections. , 2022, , 111-121.		0