

Franck Verdonk

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,544
citations

471509

17
h-index

330143

37
g-index

52
all docs

52
docs citations

52
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding brain dysfunction in sepsis. <i>Annals of Intensive Care</i> , 2013, 3, 15.	4.6	276
2	Phenotypic clustering: a novel method for microglial morphology analysis. <i>Journal of Neuroinflammation</i> , 2016, 13, 153.	7.2	100
3	Neuroanatomy of sepsis-associated encephalopathy. <i>Critical Care</i> , 2017, 21, 65.	5.8	98
4	Decreased microglial Wnt/ β -catenin signalling drives microglial pro-inflammatory activation in the developing brain. <i>Brain</i> , 2019, 142, 3806-3833.	7.6	97
5	Integrated trajectories of the maternal metabolome, proteome, and immunome predict labor onset. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	82
6	Reliability of ultrasound measurements of quadriceps muscle thickness in critically ill patients. <i>BMC Anesthesiology</i> , 2018, 18, 205.	1.8	79
7	Guidelines on muscle relaxants and reversal in anaesthesia. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 125-142.	1.4	74
8	Neuroanatomy and Physiology of Brain Dysfunction in Sepsis. <i>Clinics in Chest Medicine</i> , 2016, 37, 333-345.	2.1	72
9	Low doses of ketamine reduce delirium but not opiate consumption in mechanically ventilated and sedated ICU patients: A randomised double-blind control trial. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2018, 37, 589-595.	1.4	72
10	Elevated plasma IL-6 and CRP levels are associated with adverse clinical outcomes and death in critically ill SARS-CoV-2 patients: inflammatory response of SARS-CoV-2 patients. <i>Annals of Intensive Care</i> , 2021, 11, 9.	4.6	70
11	Statins prevent cognitive impairment after sepsis by reverting neuroinflammation, and microcirculatory/endothelial dysfunction. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 293-303.	4.1	68
12	Microglial production of quinolinic acid as a target and a biomarker of the antidepressant effect of ketamine. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 361-373.	4.1	65
13	The new sepsis definition. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 200-204.	2.0	43
14	VoPo leverages cellular heterogeneity for predictive modeling of single-cell data. <i>Nature Communications</i> , 2020, 11, 3738.	12.8	30
15	Comparison between femoral block and PENG block in femoral neck fractures: A cohort study. <i>PLoS ONE</i> , 2021, 16, e0252716.	2.5	29
16	Virtual Reality for PEripheral Regional Anesthesia (VR-PERLA Study). <i>Journal of Clinical Medicine</i> , 2020, 9, 215.	2.4	21
17	The serotonin $2B$ receptor is required in neonatal microglia to limit neuroinflammation and sickness behavior in adulthood. <i>Glia</i> , 2021, 69, 638-654.	4.9	20
18	Minimally invasive drainage in critically ill patients with severe necrotizing pancreatitis is associated with better outcomes: an observational study. <i>Critical Care</i> , 2018, 22, 321.	5.8	19

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19	Integrated plasma proteomic and single-cell immune signaling network signatures demarcate mild, moderate, and severe COVID-19. <i>Cell Reports Medicine</i> , 2022, 3, 100680.	6.5	19
20	Preferential inhibition of adaptive immune system dynamics by glucocorticoids in patients after acute surgical trauma. <i>Nature Communications</i> , 2020, 11, 3737.	12.8	18
21	Measuring the human immune response to surgery: multiomics for the prediction of postoperative outcomes. <i>Current Opinion in Critical Care</i> , 2021, 27, 717-725.	3.2	18
22	A novel paradigm links mitochondrial dysfunction with muscle stem cell impairment in sepsis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2546-2553.	3.8	17
23	Daily FOUR score assessment provides accurate prognosis of long-term outcome in out-of-hospital cardiac arrest. <i>Revue Neurologique</i> , 2015, 171, 437-444.	1.5	15
24	Ketamine/xylazine and barbiturates modulate microglial morphology and motility differently in a mouse model. <i>PLoS ONE</i> , 2020, 15, e0236594.	2.5	15
25	Sedation versus general anaesthesia in endovascular therapy for anterior circulation acute ischaemic stroke: the multicentre randomised controlled AMETIS trial study protocol. <i>BMJ Open</i> , 2019, 9, e027561.	1.9	12
26	How machine learning could be used in clinical practice during an epidemic. <i>Critical Care</i> , 2020, 24, 265.	5.8	12
27	Integrated Single-cell and Plasma Proteomic Modeling to Predict Surgical Site Complications: A Prospective Cohort Study. <i>Annals of Surgery</i> , 2022, 275, 582-590.	4.2	11
28	Non-invasive ventilation for acute respiratory failure (in COVID-19 patients): the non-ending story?. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 549-550.	1.4	9
29	SARS-CoV-2 Renal Impairment in Critical Care: An Observational Study of 42 Cases (Kidney COVID). <i>Journal of Clinical Medicine</i> , 2021, 10, 1571.	2.4	9
30	A Peripheral Immune Signature of Labor Induction. <i>Frontiers in Immunology</i> , 2021, 12, 725989.	4.8	9
31	Minimal alveolar concentration for deep sedation (MAC-DS) in intensive care unit patients sedated with sevoflurane: A physiological study. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 429-434.	1.4	8
32	A multifaceted approach to intensive care unit capacity. <i>Lancet Public Health</i> , The, 2021, 6, e448.	10.0	7
33	Brain Perfusion in Sepsis or to Resolve the Macro Part of the Micro*. <i>Critical Care Medicine</i> , 2014, 42, 485-486.	0.9	5
34	Beneficial role of adipose-derived mesenchymal stem cells from microfragmented fat in a murine model of duchenne muscular dystrophy. <i>Muscle and Nerve</i> , 2019, 60, 328-335.	2.2	5
35	Nutritional support for critically ill patients with COVID-19: New strategy for a new disease?. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 738-739.	1.4	5
36	Preoperative sedentary behavior is neither a risk factor for perioperative neurocognitive disorders nor associated with an increase in peripheral inflammation, a prospective observational cohort study. <i>BMC Anesthesiology</i> , 2020, 20, 284.	1.8	4

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37	The "ephemeral"™ intensive care units that saved the French healthcare system, a new concept to be preserved. <i>European Journal of Anaesthesiology</i> , 2021, 38, 441-442.	1.7	3
38	Anesthesia for digestive tract endoscopy. <i>Current Opinion in Anaesthesiology</i> , 2022, 35, 528-535.	2.0	3
39	Implementation of a novel synchronous multi-site all day high-fidelity simulation. <i>Advances in Simulation</i> , 2018, 3, 2.	2.3	2
40	Risk factors for prolonged time to hospital discharge after ambulatory cholecystectomy under general anaesthesia. A retrospective cohort study. <i>International Journal of Surgery</i> , 2022, 104, 106706.	2.7	2
41	Upcoming and urgent challenges in critical care research based on COVID-19 pandemic experience. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2022, , 101121.	1.4	2
42	Publication outcome of abstracts presented at an Anesthesiology and Critical Care Medicine meeting: Does being a junior presenter matter?. <i>Journal of Clinical Anesthesia</i> , 2020, 60, 49-50.	1.6	1
43	Impact of delayed patient flow on surgical outcomes after hip fracture. <i>European Journal of Anaesthesiology</i> , 2021, 38, S67-S68.	1.7	1
44	Impact of Regional Block Failure in Ambulatory Hand Surgery on Patient Management: A Cohort Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 2453.	2.4	0