

Rafael Badenes

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

4,916
citations

218677

26
h-index

102487

66
g-index

115
all docs

115
docs citations

115
times ranked

5597
citing authors

#	ARTICLE	IF	CITATIONS
1	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. <i>Lancet Neurology</i> , The, 2017, 16, 987-1048.	10.2	1,571
2	A Clinical Trial of Progesterone for Severe Traumatic Brain Injury. <i>New England Journal of Medicine</i> , 2014, 371, 2467-2476.	27.0	404
3	Determination of Brain Death/Death by Neurologic Criteria. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 1078.	7.4	346
4	Prevalence and risk factors for delirium in critically ill patients with COVID-19 (COVID-D): a multicentre cohort study. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, 239-250.	10.7	325
5	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. <i>Lancet Neurology</i> , The, 2019, 18, 923-934.	10.2	304
6	Comfort and patient-centred care without excessive sedation: the eCASH concept. <i>Intensive Care Medicine</i> , 2016, 42, 962-971.	8.2	291
7	Intracranial pressure monitoring in patients with acute brain injury in the intensive care unit (SYNAPSE-ICU): an international, prospective observational cohort study. <i>Lancet Neurology</i> , The, 2021, 20, 548-558.	10.2	105
8	Variation in monitoring and treatment policies for intracranial hypertension in traumatic brain injury: a survey in 66 neurotrauma centers participating in the CENTER-TBI study. <i>Critical Care</i> , 2017, 21, 233.	5.8	88
9	Contribution of Candida biomarkers and DNA detection for the diagnosis of invasive candidiasis in ICU patients with severe abdominal conditions. <i>Critical Care</i> , 2016, 20, 149.	5.8	83
10	Acute respiratory distress syndrome in traumatic brain injury: how do we manage it?. <i>Journal of Thoracic Disease</i> , 2017, 9, 5368-5381.	1.4	70
11	Tracheostomy practice and timing in traumatic brain-injured patients: a CENTER-TBI study. <i>Intensive Care Medicine</i> , 2020, 46, 983-994.	8.2	68
12	The Predictive Performance of a Pharmacokinetic Model for Manually Adjusted Infusion of Liquid Sevoflurane for Use with the Anesthetic-Conserving Device (AnaConDa): A Clinical Study. <i>Anesthesia and Analgesia</i> , 2008, 106, 1207-1214.	2.2	59
13	Postoperative Pulmonary Dysfunction and Mechanical Ventilation in Cardiac Surgery. <i>Critical Care Research and Practice</i> , 2015, 2015, 1-8.	1.1	53
14	Variation in Structure and Process of Care in Traumatic Brain Injury: Provider Profiles of European Neurotrauma Centers Participating in the CENTER-TBI Study. <i>PLoS ONE</i> , 2016, 11, e0161367.	2.5	50
15	Management of Mild Traumatic Brain Injury at the Emergency Department and Hospital Admission in Europe: A Survey of 71 Neurotrauma Centers Participating in the CENTER-TBI Study. <i>Journal of Neurotrauma</i> , 2017, 34, 2529-2535.	3.4	50
16	Improved short-term outcomes of kidney transplants in controlled donation after the circulatory determination of death with the use of normothermic regional perfusion. <i>American Journal of Transplantation</i> , 2021, 21, 3618-3628.	4.7	46
17	Global Survey of Outcomes of Neurocritical Care Patients: Analysis of the PRINCE Study Part 2. <i>Neurocritical Care</i> , 2020, 32, 88-103.	2.4	44
18	Variation in neurosurgical management of traumatic brain injury: a survey in 68 centers participating in the CENTER-TBI study. <i>Acta Neurochirurgica</i> , 2019, 161, 435-449.	1.7	43

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19	Worldwide Organization of Neurocritical Care: Results from the PRINCE Study Part 1. Neurocritical Care, 2020, 32, 172-179.	2.4	43
20	Transcranial Doppler as a screening test to exclude intracranial hypertension in brain-injured patients: the IMPRESSIT-2 prospective multicenter international study. Critical Care, 2022, 26, 110.	5.8	41
21	Hemoglobin concentrations and RBC transfusion thresholds in patients with acute brain injury: an international survey. Critical Care, 2017, 21, 159.	5.8	36
22	Anidulafungin dosing in critically ill patients with continuous venovenous haemodiafiltration. Journal of Antimicrobial Chemotherapy, 2014, 69, 1620-1623.	3.0	34
23	Ventilatory settings in the initial 72h and their association with outcome in out-of-hospital cardiac arrest patients: a preplanned secondary analysis of the targeted hypothermia versus targeted normothermia after out-of-hospital cardiac arrest (TTM2) trial. Intensive Care Medicine, 2022, 48, 1024-1038.	8.2	31
24	Neurocritical care for intracranial haemorrhage: a systematic review of recent studies. British Journal of Anaesthesia, 2015, 115, ii68-ii74.	3.4	30
25	Central versus Local Radiological Reading of Acute Computed Tomography Characteristics in Multi-Center Traumatic Brain Injury Research. Journal of Neurotrauma, 2019, 36, 1080-1092.	3.4	30
26	Brain Ultrasonography Consensus on Skill Recommendations and Competence Levels Within the Critical Care Setting. Neurocritical Care, 2020, 32, 502-511.	2.4	30
27	Intraoperative monitoring of cerebral oximetry and depth of anaesthesia during neuroanaesthesia procedures. Current Opinion in Anaesthesiology, 2016, 29, 576-581.	2.0	27
28	Development of a quality indicator set to measure and improve quality of ICU care for patients with traumatic brain injury. Critical Care, 2019, 23, 95.	5.8	26
29	Biomarkers for Traumatic Brain Injury: Data Standards and Statistical Considerations. Journal of Neurotrauma, 2021, 38, 2514-2529.	3.4	23
30	Safety profile of enhanced thromboprophylaxis strategies for critically ill COVID-19 patients during the first wave of the pandemic: observational report from 28 European intensive care units. Critical Care, 2021, 25, 155.	5.8	23
31	Cerebral protection during neurosurgery and stroke. Current Opinion in Anaesthesiology, 2015, 28, 532-536.	2.0	21
32	Criteria for Intensive Care admission and monitoring after elective craniotomy. Current Opinion in Anaesthesiology, 2017, 30, 540-545.	2.0	21
33	Variation in Blood Transfusion and Coagulation Management in Traumatic Brain Injury at the Intensive Care Unit: A Survey in 66 Neurotrauma Centers Participating in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury Study. Journal of Neurotrauma, 2018, 35, 323-332.	3.4	19
34	Candida albicans Germ-Tube Antibody: Evaluation of a New Automatic Assay for Diagnosing Invasive Candidiasis in ICU Patients. Mycopathologia, 2017, 182, 645-652.	3.1	18
35	Red Cell Distribution Width After Subarachnoid Hemorrhage. Journal of Neurosurgical Anesthesiology, 2018, 30, 319-327.	1.2	18
36	Glucose and Lactate Concentrations in Cerebrospinal Fluid After Traumatic Brain Injury. Journal of Neurosurgical Anesthesiology, 2020, 32, 162-169.	1.2	18

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37	Epidural Anesthesia for Laminectomy Lead Placement in Spinal Cord Stimulation. <i>Anesthesia and Analgesia</i> , 2007, 105, 1458-1461.	2.2	17
38	The Accuracy of the Anesthetic Conserving Device (Anaconda®) as an Alternative to the Classical Vaporizer in Anesthesia. <i>Anesthesia and Analgesia</i> , 2010, 111, 1176-1179.	2.2	17
39	Perioperative hemoglobin area under the curve is an independent predictor of renal failure after cardiac surgery. Results from a Spanish multicenter retrospective cohort study. <i>PLoS ONE</i> , 2017, 12, e0172021.	2.5	17
40	Preoperative predictive model for acute kidney injury after elective cardiac surgery: a prospective multicenter cohort study. <i>Minerva Anestesiologica</i> , 2019, 85, 34-44.	1.0	16
41	The effects of arterial CO ₂ on the injured brain: Two faces of the same coin. <i>Journal of Critical Care</i> , 2021, 61, 207-215.	2.2	14
42	Intranasal Insulin Administration to Prevent Delayed Neurocognitive Recovery and Postoperative Neurocognitive Disorder: A Narrative Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2681.	2.6	13
43	Insulin infusion therapy in critical care patients: Regular insulin vs short-acting insulin. A prospective, crossover, randomized, multicenter blind study. <i>Journal of Critical Care</i> , 2015, 30, 437.e1-437.e6.	2.2	12
44	Early Osmotherapy in Severe Traumatic Brain Injury: An International Multicenter Study. <i>Journal of Neurotrauma</i> , 2020, 37, 178-184.	3.4	12
45	Cerebrospinal Fluid Glucose and Lactate Levels After Subarachnoid Hemorrhage: A Multicenter Retrospective Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 170-176.	1.2	12
46	Lung Injury Is a Predictor of Cerebral Hypoxia and Mortality in Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 771.	2.4	12
47	Potentially Detrimental Effects of Hyperosmolality in Patients Treated for Traumatic Brain Injury. <i>Journal of Clinical Medicine</i> , 2021, 10, 4141.	2.4	12
48	Pharmacokinetics of anidulafungin during albumin dialysis. <i>Critical Care</i> , 2014, 18, 422.	5.8	11
49	Brain death and postmortem organ donation: report of a questionnaire from the CENTER-TBI study. <i>Critical Care</i> , 2018, 22, 306.	5.8	11
50	Effects of Age and Sex on Optic Nerve Sheath Diameter in Healthy Volunteers and Patients With Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 764.	2.4	11
51	Usefulness of Cerebral Oximetry in TBI by NIRS. <i>Journal of Clinical Medicine</i> , 2021, 10, 2938.	2.4	11
52	Cerebral Autoregulation in Non-Brain Injured Patients: A Systematic Review. <i>Frontiers in Neurology</i> , 2021, 12, 732176.	2.4	11
53	Postoperative delirium and cognitive dysfunction. <i>Trends in Anaesthesia and Critical Care</i> , 2013, 3, 199-204.	0.9	10
54	Glutathione oxidation correlates with one-lung ventilation time and PO ₂ /FiO ₂ ratio during pulmonary lobectomy. <i>Redox Report</i> , 2016, 21, 219-226.	4.5	10

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55	Variability in Serum Sodium Concentration and Prognostic Significance in Severe Traumatic Brain Injury: A Multicenter Observational Study. <i>Neurocritical Care</i> , 2021, 34, 899-907.	2.4	9
56	Plasma Hyperosmolality Prolongs QTc Interval and Increases Risk for Atrial Fibrillation in Traumatic Brain Injury Patients. <i>Journal of Clinical Medicine</i> , 2020, 9, 1293.	2.4	8
57	Remote Monitoring of Chronic Critically Ill Patients after Hospital Discharge: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 1010.	2.4	8
58	Efficiency of the AnaConDa (Anesthesia Conserving Device) with sevoflurane: in vitro study. <i>European Journal of Anaesthesiology</i> , 2004, 21, 60.	1.7	7
59	Serum sodium and intracranial pressure changes after desmopressin therapy in severe traumatic brain injury patients: a multi-centre cohort study. <i>Annals of Intensive Care</i> , 2019, 9, 99.	4.6	7
60	Consenso internacional sobre la monitorización de la presión tisular cerebral de oxígeno en pacientes neurocríticos. <i>Neurocirugía</i> , 2020, 31, 24-36.	0.4	7
61	Inhaled anesthesia in neurosurgery: Still a role?. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2021, 35, 231-240.	4.0	7
62	Hemodynamic Monitoring in Patients With Subarachnoid Hemorrhage: A Systematic Review and Meta-Analysis. <i>Journal of Neurosurgical Anesthesiology</i> , 2021, 33, 285-292.	1.2	7
63	Neuro-ICU patient disposition: optimal venue for acute needs. <i>Current Opinion in Critical Care</i> , 2018, 24, 65-71.	3.2	6
64	Seizures and Sepsis: A Narrative Review. <i>Journal of Clinical Medicine</i> , 2021, 10, 1041.	2.4	6
65	The role of noninvasive brain oximetry in adult critically ill patients without primary non-anoxic brain injury. <i>Minerva Anestesiologica</i> , 2021, 87, 1226-1238.	1.0	6
66	Homocysteine Plasmatic Concentration in Brain-Injured Neurocritical Care Patients: Systematic Review of Clinical Evidence. <i>Journal of Clinical Medicine</i> , 2022, 11, 394.	2.4	6
67	Hyperosmolar therapy for acute brain injury: study protocol for an umbrella review of meta-analyses and an evidence mapping. <i>BMJ Open</i> , 2020, 10, e033913.	1.9	5
68	Hyperventilation in Severe Traumatic Brain Injury Has Something Changed in the Last Decade or Uncertainty Continues? A Brief Review. <i>Frontiers in Neurology</i> , 2021, 12, 573237.	2.4	5
69	Short acting insulin analogues in intensive care unit patients. <i>World Journal of Diabetes</i> , 2014, 5, 230.	3.5	5
70	The Use of Different Components of Brain Oxygenation for the Assessment of Cerebral Haemodynamics: A Prospective Observational Study on COVID-19 Patients. <i>Frontiers in Neurology</i> , 2021, 12, 735469.	2.4	5
71	Use of the AnaConDa (Anesthesia Conserving Device) with sevoflurane in critical care patients. <i>European Journal of Anaesthesiology</i> , 2004, 21, 174.	1.7	4
72	Sedation During Neurocritical Care. <i>Journal of Neuroanaesthesiology and Critical Care</i> , 2019, 06, 056-061.	0.2	4

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73	Arterial and Venous Cerebral Blood Flow Velocities and Their Correlation in Healthy Volunteers and Traumatic Brain Injury Patients. <i>Journal of Neurosurgical Anesthesiology</i> , 2022, 34, e24-e33.	1.2	4
74	Analgesic Efficacy and Safety of Local Infiltration Following Lumbar Decompression Surgery: A Systematic Review of Randomized Controlled Trials. <i>Journal of Clinical Medicine</i> , 2021, 10, 5936.	2.4	4
75	Non-Invasive Multimodal Neuromonitoring in Non-Critically Ill Hospitalized Adult Patients With COVID-19: A Systematic Review and Meta-Analysis. <i>Frontiers in Neurology</i> , 2022, 13, 814405.	2.4	4
76	Ventilatory pressure modes in anesthesia. <i>Current Anaesthesia and Critical Care</i> , 2010, 21, 255-261.	0.3	3
77	Inhaled sedation in acute brain injury patients. <i>British Journal of Anaesthesia</i> , 2016, 116, 882-883.	3.4	3
78	Are you "too old" to survive a traumatic brain injury?. <i>Minerva Anestesiologica</i> , 2017, 83, 1121-1123.	1.0	3
79	The prone position must accommodate changes in IAP in traumatic brain injury patients. <i>Critical Care</i> , 2021, 25, 132.	5.8	3
80	Diez mandamientos fisiológicos a lograr durante el traumatismo craneoencefálico grave. <i>Revista Española De Anestesiología Y Reanimación</i> , 2021, 68, 280-292.	0.3	3
81	Ventilation management and outcomes in out-of-hospital cardiac arrest: a protocol for a preplanned secondary analysis of the TTM2 trial. <i>BMJ Open</i> , 2022, 12, e058001.	1.9	3
82	Mechanical ventilation in cardiac surgery. <i>Current Anaesthesia and Critical Care</i> , 2010, 21, 250-254.	0.3	2
83	Decompressive Craniectomy Improves QTc Interval in Traumatic Brain Injury Patients. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8653.	2.6	2
84	Changes in Subendocardial Viability Ratio in Traumatic Brain Injury Patients. <i>Brain Connectivity</i> , 2021, 11, 349-358.	1.7	2
85	Circuitos postoperatorios en los pacientes sometidos a craneotomía programada. Revisión narrativa. <i>Revista Española De Anestesiología Y Reanimación</i> , 2020, 67, 404-415.	0.3	2
86	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
87	A Novel Prognostic Marker in Severe Traumatic Brain Injury Patients: PbtO ₂ /Pao ₂ Ratio. <i>Intensive Care Medicine Experimental</i> , 2015, 3, .	1.9	1
88	Analysis of the Association Between Lung Function and Brain Tissue Oxygen Tension in Severe Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 27-30.	1.0	1
89	Ten physiological commandments for severe head injury. <i>Revista Española De Anestesiología Y Reanimación (English Edition)</i> , 2021, 68, 280-292.	0.1	1
90	Advanced Monitoring in Neurocritical Care: Brain Tissue Oxygen Pressure. , 2017, , 27-41.		1

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91	Perioperative Management of Polytrauma Patients with Severe Traumatic Brain Injury Undergoing Emergency Extracranial Surgery: A Narrative Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 18.	2.4	1
92	Monitoring alveolar anesthetic concentration during the anesthesia with the AnaConDa (anesthesia) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.7	0
93	Inhalatory sedation in postoperative neurovascular surgery patients. <i>Intensive Care Medicine Experimental</i> , 2015, 3, .	1.9	0
94	Authorsâ€™ replyâ€™ multi-organ ultrasonography: a stethoscope for the body. <i>Journal of Thoracic Disease</i> , 2018, 10, S2225-S2227.	1.4	0
95	Postoperative circuits in patients undergoing elective craniotomy. A narrative review. <i>Revista EspaÃ±ola De AnestesiologÃa Y ReanimaciÃ³n (English Edition)</i> , 2020, 67, 404-415.	0.1	0
96	THE ROLE OF BISPECTRAL INDEX MONITORING AND SEDATION SCALES IN POSTOPERATIVE THORACIC SURGERY PATIENTS. <i>Chest</i> , 2006, 130, 217S.	0.8	0
97	Predictors of Outcome in Traumatic Brain Injury. , 2017, , 43-54.		0
98	Sedation in Neurocritical Units. , 2017, , 259-274.		0
99	Suppression of Electrographic Seizures Is Associated with Amelioration of QTc Interval Prolongation in Patients with Traumatic Brain Injury. <i>Journal of Clinical Medicine</i> , 2021, 10, 5374.	2.4	0
100	Cerebral Diseases in Liver Transplant Recipients: Systematic Review of Clinical Evidence. <i>Journal of Clinical Medicine</i> , 2022, 11, 979.	2.4	0
101	Inhaled Sedation in Patients with COVID-19-Related Acute Respiratory Distress Syndrome: An International Retrospective Study. , 2022, , .		0