Athanasios Chalkias

List of Publications by Year
in descending order

134 papers	2,667 citations	304743 22 h-index	206112 48 g-index
146 all docs	146 docs citations	146 times ranked	3499 citing authors

#	Article	IF	Citations
1	High-flow nasal oxygen versus conventional oxygen therapy in patients with COVID-19 pneumonia and mild hypoxaemia: a randomised controlled trial. Thorax, 2023, 78, 354-361.	5.6	38
2	Sublingual microcirculatory alterations during the immediate and early postoperative period: A systematic review and meta-analysis. Clinical Hemorheology and Microcirculation, 2022, 80, 253-265.	1.7	14
3	Elevated preoperative suPAR is a strong and independent risk marker for postoperative complications in patients undergoing major noncardiac surgery (SPARSE). Surgery, 2022, 171, 1619-1625.	1.9	9
4	Soluble Urokinase Receptor Levels Are Not Affected by the Systemic Inflammatory Response to Anesthesia and Operative Trauma. European Surgical Research, 2022, 63, 249-256.	1.3	3
5	Increasing stress volume vs. increasing tissue perfusion in septic patients. European Journal of Anaesthesiology, 2022, 39, 390-391.	1.7	5
6	Circulating suPAR associates with severity and inâ€hospital progression of COVIDâ€19. European Journal of Clinical Investigation, 2022, 52, e13794.	3.4	10
7	Determinants of venous return in steady-state physiology and asphyxia-induced circulatory shock and arrest: an experimental study. Intensive Care Medicine Experimental, 2022, 10, 13.	1.9	8
8	Urinary Metabolomics From a Dose-Fractionated Polymyxin B Rat Model of Acute Kidney Injury. International Journal of Antimicrobial Agents, 2022, 60, 106593.	2.5	2
9	Assessment of Dynamic Changes in Stressed Volume and Venous Return during Hyperdynamic Septic Shock. Journal of Personalized Medicine, 2022, 12, 724.	2.5	8
10	Watch Out for Burnout in COVID-19: A Greek Health Care Personnel Study. Inquiry (United States), 2022, 59, 004695802210978.	0.9	1
11	Microcirculation-guided treatment improves tissue perfusion and hemodynamic coherence in surgical patients with septic shock. European Journal of Trauma and Emergency Surgery, 2022, 48, 4699-4711.	1.7	13
12	Association of Preoperative Basal Inflammatory State, Measured by Plasma suPAR Levels, with Intraoperative Sublingual Microvascular Perfusion in Patients Undergoing Major Non-Cardiac Surgery. Journal of Clinical Medicine, 2022, 11, 3326.	2.4	4
13	Hellenic army recruits and change in tobacco use habits after entering military life. Hellenic Journal of Cardiology, 2021, 62, 309-311.	1.0	1
14	Resuscitation in Limited Resources Environments. Hot Topics in Acute Care Surgery and Trauma, 2021, , 25-34.	0.1	0
15	Critical emergency medicine and the resuscitative care unit. Acute and Critical Care, 2021, 36, 22-28.	1.4	6
16	A Critical Appraisal of the Effects of Anesthetics on Immune-system Modulation in Critically Ill Patients With COVID-19. Clinical Therapeutics, 2021, 43, e57-e70.	2.5	6
17	Intubation Practices and Adverse Peri-intubation Events in Critically Ill Patients From 29 Countries. JAMA - Journal of the American Medical Association, 2021, 325, 1164.	7.4	232
18	Pharmacokinetic Disposition of Amiodarone When Given with an Intralipid Rescue Strategy. Pharmaceutics, 2021, 13, 539.	4.5	0

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19	Baseline Values and Kinetics of IL-6, Procalcitonin, and TNF-Î± in Landrace-Large White Swine Anesthetized with Propofol-Based Total Intravenous Anesthesia. BioMed Research International, 2021, 2021, 1-10.	1.9	10
20	Video Laryngoscopy Improves Intubation Times With Level C Personal Protective Equipment in Novice Physicians: A Randomized Cross-Over Manikin Study. Journal of Emergency Medicine, 2021, 60, 764-771.	0.7	6
21	Clinical practice recommendations on the management of perioperative cardiac arrest: A report from the PERIOPCA Consortium. Critical Care, 2021, 25, 265.	5.8	10
22	Continuous chest compressions with asynchronous ventilation improve survival in a neonatal swine model of asphyxial cardiac arrest. American Journal of Emergency Medicine, 2021, 48, 60-66.	1.6	5
23	Stress hormones kinetics in ventricular fibrillation cardiac arrest and resuscitation: Translational and therapeutic implications. American Journal of Emergency Medicine, 2021, 50, 14-21.	1.6	2
24	Sinus bradycardia is associated with poor outcome in critically ill patients with COVID-19 due to the B.1.1.7 Lineage. Toxicology Reports, 2021, 8, 1394-1398.	3.3	6
25	Angiotensinâ€Converting Enzyme Inhibitors, Angiotensin II Receptor Blockers, and Outcomes in Patients Hospitalized for COVIDâ€19. Journal of the American Heart Association, 2021, 10, e023535.	3.7	15
26	Sinus Bradycardia During Targeted Temperature Management: A Systematic Review and Meta-Analysis. Therapeutic Hypothermia and Temperature Management, 2020, 10, 17-26.	0.9	3
27	Initial Immune Response in Escherichia coli, Staphylococcus aureus, and Candida albicans Bacteremia. Inflammation, 2020, 43, 179-190.	3.8	9
28	Spontaneous Hemothorax Complicating von Recklinghausen Disease: Case Report and Treatment Algorithm. Journal of Emergency Medicine, 2020, 58, e63-e66.	0.7	4
29	Soluble Urokinase Receptor (SuPAR) in COVID-19â€"Related AKI. Journal of the American Society of Nephrology: JASN, 2020, 31, 2725-2735.	6.1	93
30	Soluble Urokinase Plasminogen Activator Receptor: A Biomarker for Predicting Complications and Critical Care Admission of COVID-19 Patients. Molecular Diagnosis and Therapy, 2020, 24, 517-521.	3.8	24
31	A single center experience in pediatric cardiomyopathy. Risk factors, outcomes and the effect of levosimendan. Progress in Pediatric Cardiology, 2020, 57, 101201.	0.4	1
32	Perioperative antithrombotic (antiplatelet and anticoagulant) therapy in urological practice: a critical assessment and summary of the clinical practice guidelines. World Journal of Urology, 2020, 38, 2761-2770.	2.2	12
33	Nasal High Flow Use in COPD Patients with Hypercapnic Respiratory Failure: Treatment Algorithm & Review of the Literature. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2020, 17, 101-111.	1.6	13
34	Lack of synergistic nephrotoxicity between vancomycin and piperacillin/tazobactam in a rat model and a confirmatory cellular model. Journal of Antimicrobial Chemotherapy, 2020, 75, 1228-1236.	3.0	43
35	Nasal high flow application for perioperative support of respiratory system in adult patients. Journal of Emergency and Critical Care Medicine, 2020, 4, 18-18.	0.7	1
36	Measurement of mean systemic filling pressure after severe hemorrhagic shock in swine anesthetized with propofol-based total intravenous anesthesia: implications for vasopressor-free resuscitation. Acute and Critical Care, 2020, 35, 93-101.	1.4	9

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37	Assessment of Post-Resuscitation Intestinal Injury and Timing of Bacterial Translocation in Swine Anaesthetized With Propofol-Based Total Intravenous Anaesthesia. Cureus, 2020, 12, e10362.	0.5	2
38	Resuscitation with centhaquin and 6% hydroxyethyl starch 130/0.4 improves survival in a swine model of hemorrhagic shock: a randomized experimental study. European Journal of Trauma and Emergency Surgery, 2019, 45, 1077-1085.	1.7	13
39	Interventions to improve cardiopulmonary resuscitation: a review of meta-analyses and future agenda. Critical Care, 2019, 23, 210.	5.8	4
40	Personalized physiology-guided resuscitation in highly monitored patients with cardiac arrestâ€"the PERSEUS resuscitation protocol. Heart Failure Reviews, 2019, 24, 473-480.	3.9	16
41	1335. A Translational Nephrotoxicity Model to Probe Acute Kidney Injury with Vancomycin and Piperacillinâ€"Tazobactam. Open Forum Infectious Diseases, 2019, 6, S483-S483.	0.9	0
42	Collaboration is the future of emergency medicine in Europe. European Journal of Anaesthesiology, 2019, 36, 379-380.	1.7	1
43	Airway Pressure Monitoring May Improve Small Airway Flow, Hemodynamics, and Tissue Oxygenation. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 928-929.	5.6	1
44	Critical Illness Polyneuropathy (CIP): a multicenter study on functional outcome. Giornale Italiano Di Medicina Del Lavoro Ed Ergonomia, 2019, 41, 58-64.	0.3	3
45	Views of cancer patients regarding cardiopulmonary resuscitation in Greece. European Journal of Cancer Care, 2018, 27, e12850.	1.5	1
46	Microcirculation-mediated preconditioning and intracellular hypothermia. Medical Hypotheses, 2018, 115, 8-12.	1.5	8
47	Letâ€™s handover our patients to the highest quality of anesthesiology care. Journal of Emergency and Critical Care Medicine, 2018, 2, 30-30.	0.7	0
48	The influence of anesthetic techniques on postoperative cognitive function in elderly patients undergoing hip fracture surgery: General vs spinal anesthesia. Injury, 2018, 49, 2221-2226.	1.7	65
49	Development and Testing of a Novel Anaesthesia Induction/Ventilation Protocol for Patients With Cardiogenic Shock Complicating Acute Myocardial Infarction. Canadian Journal of Cardiology, 2018, 34, 1048-1058.	1.7	5
50	Intraoperative initiation of a modified ARDSNet protocol increases survival of septic patients with severe acute respiratory distress syndrome. Heart and Lung: Journal of Acute and Critical Care, 2018, 47, 616-621.	1.6	15
51	Assessment of performance of midwives and pediatricians in preparation for receiving a neonate immediately after birth. A prospective observational study.. Hjog, 2018, 17, 65-72.	0.0	0
52	Centhaquin Effects in a Swine Model of Ventricular Fibrillation. Heart Lung and Circulation, 2017, 26, 856-863.	0.4	5
53	Letter to the editor: Sepsis-associated in-hospital cardiac arrest: Epidemiology, pathophysiology, and potential therapies. Journal of Critical Care, 2017, 40, 314.	2.2	1
54	Body mass index and outcome of out-of-hospital cardiac arrest patients not treated by targeted temperature management. American Journal of Emergency Medicine, 2017, 35, 1247-1251.	1.6	13

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55	Reply to Letter: Mean airway pressure and outcome of OHCA. Resuscitation, 2017, 112, e1.	3.0	0
56	Survival after cardiac arrest in Greece. International Journal of Cardiology, 2017, 229, 57.	1.7	0
57	Therapeutic effects of the combination of inhaled beta2-agonists and beta-blockers in COPD patients with cardiovascular disease. Heart Failure Reviews, 2017, 22, 753-763.	3.9	8
58	Metabolomics profiling reveals different patterns in an animal model of asphyxial and dysrhythmic cardiac arrest. Scientific Reports, 2017, 7, 16575.	3.3	26
59	Education in resuscitation: The need for a new teaching method. American Journal of Emergency Medicine, 2017, 35, 370-371.	1.6	4
60	The effect of antioxidant supplementation on bacterial translocation after intestinal ischemia and reperfusion. Redox Report, 2017, 22, 1-9.	4.5	32
61	Airway pressure and outcome of out-of-hospital cardiac arrest: A prospective observational study. Resuscitation, 2017, 110, 101-106.	3.0	20
62	Effectiveness of 7.5% hypertonic saline in children with severe traumatic brain injury. Journal of Critical Care, 2017, 38, 52-56.	2.2	15
63	Long-term evaluation of neurological impairment scales after ischemic stroke in type 2 diabetic Caucasians. Journal Resuscitatio Balcanica, 2017, 3, 10-17.	0.2	0
64	Evaluation of resuscitation knowledge and skills in dentists before and after a European Resuscitation Council CPR/AED course. Journal Resuscitatio Balcanica, 2017, 3, 4-9.	0.2	1
65	Copper-coated thermometer for the prevention of cross-infections: preliminary results. American Journal of Emergency Medicine, 2016, 34, 653-656.	1.6	0
66	Intralipidâ„¢ administration attenuates the hypotensive effects of acute intravenous amiodarone overdose in a swine model. American Journal of Emergency Medicine, 2016, 34, 1389-1393.	1.6	4
67	Effect of cardiac pacing on sleep-related breathing disorders: a systematic review. Heart Failure Reviews, 2016, 21, 579-590.	3.9	6
68	Optimizing tissue perfusion during targeted temperature management. Injury, 2016, 47, 2383-2384.	1.7	1
69	Amiodarone and cardiac arrest: Systematic review and meta-analysis. International Journal of Cardiology, 2016, 221, 780-788.	1.7	24
70	Centhaquin improves survival in a swine model of hemorrhagic shock. Journal of Surgical Research, 2016, 200, 227-235.	1.6	12
71	Activated charcoal may not be necessary in all oral overdoses of medication. American Journal of Emergency Medicine, 2016, 34, 319-321.	1.6	2
72	Periarrest intestinal bacterial translocation and resuscitation outcome. Journal of Critical Care, 2016, 31, 217-220.	2.2	19

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73	Quality of life in adults with cystic fibrosis: the Greek experience. Pneumonologia I Alergologia Polska, 2016, 84, 205-211.	0.6	4
74	Diagnostic Biomarkers of Acute Kidney Injury in Newborns. , 2016, , 27-40.		0
75	Intraarrest Rhythms and Rhythm Conversion in Asphyxial Cardiac Arrest. Academic Emergency Medicine, 2015, 22, 518-524.	1.8	8
76	The effects of n-acetylcysteine and desferoxamine on IL-6, TNF-a, and oxLDL after infrarenal aortic clamping. Hellenike Cheirourgike Acta Chirurgica Hellenica, 2015, 87, 407-414.	0.1	2
77	The Effect of Perioperative Ischemia and Reperfusion on Multiorgan Dysfunction following Abdominal Aortic Aneurysm Repair. BioMed Research International, 2015, 2015, 1-11.	1.9	29
78	Advances in Airway Management and Ventilation Strategies in Emergency Medicine. BioMed Research International, 2015, 2015, 1-2.	1.9	41
79	Cardiopulmonary Arrest and Resuscitation in Severe Sepsis and Septic Shock. Shock, 2015, 43, 285-291.	2.1	22
80	Timing positive-pressure ventilation during chest compression: the key to improving the thoracic pump?. European Heart Journal: Acute Cardiovascular Care, 2015, 4, 24-27.	1.0	12
81	European Resuscitation Council Guidelines for Resuscitation 2015 Section 9. First aid. Resuscitation, 2015, 95, 278-287.	3.0	96
82	Levosimendan Improves Neurological Outcome in a Swine Model of Asphyxial Cardiac Arrest. Heart Lung and Circulation, 2015, 24, 925-931.	0.4	4
83	Identifying the role of cytochrome c in post-resuscitation pathophysiology. American Journal of Emergency Medicine, 2015, 33, 1826-1830.	1.6	5
84	Part 9: First aid. Resuscitation, 2015, 95, e225-e261.	3.0	47
85	European Resuscitation Council Guidelines for Resuscitation 2015. Resuscitation, 2015, 95, 1-80.	3.0	813
86	Comparative study of Supreme, Cobra, and i-gel during spontaneous and controlled mechanical ventilation: a case series. American Journal of Emergency Medicine, 2015, 33, 1524-1525.	1.6	1
87	Effectiveness of precordial thump in the treatment of shockable rhythms. Resuscitation, 2015, 96, 43-44.	3.0	0
88	Part 9: First Aid. Circulation, 2015, 132, S269-311.	1.6	54
89	Diagnostic Biomarkers of Acute Kidney Injury in Newborns. , 2015, , 1-14.		0
90	Characteristics and survival to discharge of patients with STEMI between a PPCI-capable hospital and a non-PPCI hospital: A prospective observational study. Acute Cardiac Care, 2014, 16, 118-122.	0.2	0

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91	Emergency airway management by paramedics. European Journal of Emergency Medicine, 2014, 21, 371-373.	1.1	23
92	The obesity paradox in cardiac arrest patients. International Journal of Cardiology, 2014, 171, 101-102.	1.7	18
93	Education and age affect skill acquisition and retention in lay rescuers after a European Resuscitation Council CPR/AED course. Heart and Lung: Journal of Acute and Critical Care, 2014, 43, 66-71.	1.6	31
94	Should prehospital resuscitative thoracotomy be incorporated in advanced life support after traumatic cardiac arrest?. European Journal of Trauma and Emergency Surgery, 2014, 40, 395-397.	1.7	1
95	Attitude of elderly patients towards cardiopulmonary resuscitation in Greece. Geriatrics and Gerontology International, 2014, 14, 874-879.	1.5	6
96	Retention of knowledge and skills after Advanced Cardiovascular Life Support courses. American Journal of Emergency Medicine, 2014, 32, 1143-1147.	1.6	6
97	Metabolomics applied in neonatology. Bioanalysis, 2014, 6, 403-410.	1.5	4
98	Pretest-based group forming in advanced cardiovascular life support courses increases acquisition and retention of resuscitation knowledge. American Journal of Emergency Medicine, 2014, 32, 478-479.	1.6	2
99	1H NMR-metabolomics: Can they be a useful tool in our understanding of cardiac arrest?. Resuscitation, 2014, 85, 595-601.	3.0	9
100	Comparison of blind intubation through the I-gel and ILMA Fastrach by nurses during cardiopulmonary resuscitation: A manikin study. Heart and Lung: Journal of Acute and Critical Care, 2014, 43, 112-116.	1.6	10
101	Addition of glucagon to adrenaline improves hemodynamics in a porcine model of prolonged ventricular fibrillation. American Journal of Emergency Medicine, 2014, 32, 139-143.	1.6	5
102	Continuous chest compression pediatric cardiopulmonary resuscitation after witnessed electrocution. American Journal of Emergency Medicine, 2014, 32, 686.e1-686.e2.	1.6	1
103	Therapeutic hypothermia: Focus on microcirculation. Resuscitation, 2014, 85, 583-584.	3.0	3
104	Comparison of coronary calcification of the culprit lesion between diabetic and non-diabetic patients with acute coronary syndrome. American Journal of Emergency Medicine, 2014, 32, 480-482.	1.6	1
105	Outcomes of cardiopulmonary resuscitation efforts in a Greek tertiary hospital. Acute Cardiac Care, 2013, 15, 34-37.	0.2	2
106	Interleukin-6 as a Marker of Inflammation Secondary to Endotracheal Intubation in Pediatric Patients. Inflammation, 2013, 36, 1533-1538.	3.8	6
107	One-hand chest compression and hands-off time in single-lay rescuer CPRâ€"a manikin study. American Journal of Emergency Medicine, 2013, 31, 1462-1465.	1.6	2
108	Mechanotransduction and Cardiac Arrest during Marathon Running. American Journal of Medicine, 2013, 126, e23.	1.5	2

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109	Influence of electromagnetic interference on AED function in metro stations. International Journal of Cardiology, 2013, 168, 4260-4261.	1.7	0
110	Controversies in neonatal resuscitation. Journal of Maternal-Fetal and Neonatal Medicine, 2013, 26, 50-54.	1.5	4
111	Sagittal abdominal diameter may effectively predict future complications and increased mortality in intensive care unit patients with severe sepsis. Journal of Critical Care, 2013, 28, 964-969.	2.2	14
112	Airway Remodeling and Cardiac Arrest in Long-Distance Ski Races. Journal of the American College of Cardiology, 2013, 61, 388-389.	2.8	1
113	Recommendations for resuscitation after ascent to high altitude and in aircrafts. International Journal of Cardiology, 2013, 167, 1703-1711.	1.7	10
114	Anatomical structures underneath the sternum in healthy adults and implications for chest compressions. American Journal of Emergency Medicine, 2013, 31, 549-555.	1.6	24
115	Postresuscitation myocardial dysfunction after asphyxial cardiac arrest: is it time to reconsider the existing paradigm?. American Journal of Emergency Medicine, 2013, 31, 1697-1698.	1.6	4
116	Postcardiac arrest syndrome: second thoughts regarding therapeutic hypothermia. Acta Physiologica, 2013, 207, 324-325.	3.8	1
117	Severe sepsis and septic shock due to Plasmodium vivax infection. American Journal of Emergency Medicine, 2013, 31, 761.e1-761.e2.	1.6	2
118	Molecular and cellular effects of cardiac mechanotransduction during cardiopulmonary resuscitation and postresuscitation period: another piece in the puzzle. American Journal of Emergency Medicine, 2013, 31, 250-252.	1.6	0
119	Evaluation of the willingness for cadaveric donation in Greece: A populationâ€based study. Anatomical Sciences Education, 2013, 6, 48-55.	3.7	44
120	Redox-mediated programed death of myocardial cells after cardiac arrest and cardiopulmonary resuscitation. Redox Report, 2012, 17, 80-83.	4.5	11
121	Research in human resuscitation: what we learn from animals. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 44-46.	1.5	15
122	Acute kidney injury. Lancet, The, 2012, 380, 1904.	13.7	6
123	Magnetically targeted drug delivery during cardiopulmonary resuscitation and the post-resuscitation period. Resuscitation, 2012, 83, 803-805.	3.0	4
124	Intra-abdominal hypertension: a potent silent killer of cardiac arrest survivors. American Journal of Emergency Medicine, 2012, 30, 502-504.	1.6	4
125	Passive leg raising during cardiopulmonary resuscitation results in improved neurological outcome in a swine model of prolonged ventricular fibrillation. American Journal of Emergency Medicine, 2012, 30, 1935-1942.	1.6	15
126	Cardiac arrest and cardiopulmonary resuscitation after ischemic stroke. American Journal of Emergency Medicine, 2012, 30, 1311-1312.	1.6	2

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127	Post-cardiac arrest brain injury: Pathophysiology and treatment. Journal of the Neurological Sciences, 2012, 315, 1-8.	0.6	86
128	Pathophysiology and pathogenesis of post-resuscitation myocardial stunning. Heart Failure Reviews, 2012, 17, 117-128.	3.9	122
129	Post-cardiac arrest syndrome: Mechanisms and evaluation of adrenal insufficiency. World Journal of Critical Care Medicine, 2012, 1, 4.	1.8	20
130	Cardiac arrest in Greek primary health care and willingness of general practitioners to use automatic external defibrillator. Resuscitation, 2011, 82, 1144-1147.	3.0	10
131	Vasoactive support in the optimization of post-cardiac arrest hemodynamic status: From pharmacology to clinical practice. European Journal of Pharmacology, 2011, 667, 32-40.	3.5	12
132	Patients With Colorectal Cancer Are Characterized by Increased Concentration of Fecal Hb-Hp Complex, Myeloperoxidase, and Secretory IgA. American Journal of Clinical Oncology: Cancer Clinical Trials, 2011, 34, 561-566.	1.3	17
133	Enteric fever due to Salmonella Paratyphi A in Greece: a case report. Cases Journal, 2008, 1, 403.	0.4	3
134	Critical Emergency Medicine: a global need for essential emergency and critical care. Journal of Emergency and Critical Care Medicine, 0, 8, 24-24.	0.7	1