

Athanasios Chalkias

List of Publications by Year in descending order

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Version: 2024-02-01

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	European Resuscitation Council Guidelines for Resuscitation 2015. Resuscitation, 2015, 95, 1-80.	3.0	813
2	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
3	Pathophysiology and pathogenesis of post-resuscitation myocardial stunning. Heart Failure Reviews, 2012, 17, 117-128.	3.9	122
4	European Resuscitation Council Guidelines for Resuscitation 2015 Section 9. First aid. Resuscitation, 2015, 95, 278-287.	3.0	96
5	Soluble Urokinase Receptor (SuPAR) in COVID-19-Related AKI. Journal of the American Society of Nephrology: JASN, 2020, 31, 2725-2735.	6.1	93
6	Post-cardiac arrest brain injury: Pathophysiology and treatment. Journal of the Neurological Sciences, 2012, 315, 1-8.	0.6	86
7	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
8	Part 9: First Aid. Circulation, 2015, 132, S269-311.	1.6	54
9	Part 9: First aid. Resuscitation, 2015, 95, e225-e261.	3.0	47
10	Evaluation of the willingness for cadaveric donation in Greece: A population-based study. Anatomical Sciences Education, 2013, 6, 48-55.	3.7	44
11	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
12	Advances in Airway Management and Ventilation Strategies in Emergency Medicine. BioMed Research International, 2015, 2015, 1-2.	1.9	41
13	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
14	The effect of antioxidant supplementation on bacterial translocation after intestinal ischemia and reperfusion. Redox Report, 2017, 22, 1-9.	4.5	32
15	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
16	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
17	Metabolomics profiling reveals different patterns in an animal model of asphyxial and dysrhythmic cardiac arrest. Scientific Reports, 2017, 7, 16575.	3.3	26
18	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

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19	Amiodarone and cardiac arrest: Systematic review and meta-analysis. International Journal of Cardiology, 2016, 221, 780-788.	1.7	24
20	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
21	Emergency airway management by paramedics. European Journal of Emergency Medicine, 2014, 21, 371-373.	1.1	23
22	Cardiopulmonary Arrest and Resuscitation in Severe Sepsis and Septic Shock. Shock, 2015, 43, 285-291.	2.1	22
23	Airway pressure and outcome of out-of-hospital cardiac arrest: A prospective observational study. Resuscitation, 2017, 110, 101-106.	3.0	20
24	Post-cardiac arrest syndrome: Mechanisms and evaluation of adrenal insufficiency. World Journal of Critical Care Medicine, 2012, 1, 4.	1.8	20
25	Periarrest intestinal bacterial translocation and resuscitation outcome. Journal of Critical Care, 2016, 31, 217-220.	2.2	19
26	The obesity paradox in cardiac arrest patients. International Journal of Cardiology, 2014, 171, 101-102.	1.7	18
27	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
28	Personalized physiology-guided resuscitation in highly monitored patients with cardiac arrest—the PERSEUS resuscitation protocol. Heart Failure Reviews, 2019, 24, 473-480.	3.9	16
29	Research in human resuscitation: what we learn from animals. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 44-46.	1.5	15
30	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
31	Effectiveness of 7.5% hypertonic saline in children with severe traumatic brain injury. Journal of Critical Care, 2017, 38, 52-56.	2.2	15
32	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
33	Angiotensin-Converting Enzyme Inhibitors, Angiotensin II Receptor Blockers, and Outcomes in Patients Hospitalized for COVID-19. Journal of the American Heart Association, 2021, 10, e023535.	3.7	15
34	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
35	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
36	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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37	Resuscitation with centhaquin and 6% hydroxyethyl starch 130/0.4 improves survival in a swine model of hemorrhagic shock: a randomized experimental study. <i>European Journal of Trauma and Emergency Surgery</i> , 2019, 45, 1077-1085.	1.7	13
38	Nasal High Flow Use in COPD Patients with Hypercapnic Respiratory Failure: Treatment Algorithm & Review of the Literature. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2020, 17, 101-111.	1.6	13
39	Microcirculation-guided treatment improves tissue perfusion and hemodynamic coherence in surgical patients with septic shock. <i>European Journal of Trauma and Emergency Surgery</i> , 2022, 48, 4699-4711.	1.7	13
40	Vasoactive support in the optimization of post-cardiac arrest hemodynamic status: From pharmacology to clinical practice. <i>European Journal of Pharmacology</i> , 2011, 667, 32-40.	3.5	12
41	Timing positive-pressure ventilation during chest compression: the key to improving the thoracic pump?. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2015, 4, 24-27.	1.0	12
42	Centhaquin improves survival in a swine model of hemorrhagic shock. <i>Journal of Surgical Research</i> , 2016, 200, 227-235.	1.6	12
43	Perioperative antithrombotic (antiplatelet and anticoagulant) therapy in urological practice: a critical assessment and summary of the clinical practice guidelines. <i>World Journal of Urology</i> , 2020, 38, 2761-2770.	2.2	12
44	Redox-mediated programmed death of myocardial cells after cardiac arrest and cardiopulmonary resuscitation. <i>Redox Report</i> , 2012, 17, 80-83.	4.5	11
45	Cardiac arrest in Greek primary health care and willingness of general practitioners to use automatic external defibrillator. <i>Resuscitation</i> , 2011, 82, 1144-1147.	3.0	10
46	Recommendations for resuscitation after ascent to high altitude and in aircrafts. <i>International Journal of Cardiology</i> , 2013, 167, 1703-1711.	1.7	10
47	Comparison of blind intubation through the l-gel and ILMA Fastrach by nurses during cardiopulmonary resuscitation: A manikin study. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2014, 43, 112-116.	1.6	10
48	Baseline Values and Kinetics of IL-6, Procalcitonin, and TNF- α in Landrace-Large White Swine Anesthetized with Propofol-Based Total Intravenous Anesthesia. <i>BioMed Research International</i> , 2021, 2021, 1-10.	1.9	10
49	Clinical practice recommendations on the management of perioperative cardiac arrest: A report from the PERIOPCA Consortium. <i>Critical Care</i> , 2021, 25, 265.	5.8	10
50	Circulating suPAR associates with severity and in-hospital progression of COVID-19. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13794.	3.4	10
51	¹ H NMR-metabolomics: Can they be a useful tool in our understanding of cardiac arrest?. <i>Resuscitation</i> , 2014, 85, 595-601.	3.0	9
52	Initial Immune Response in <i>Escherichia coli</i> , <i>Staphylococcus aureus</i> , and <i>Candida albicans</i> Bacteremia. <i>Inflammation</i> , 2020, 43, 179-190.	3.8	9
53	Measurement of mean systemic filling pressure after severe hemorrhagic shock in swine anesthetized with propofol-based total intravenous anesthesia: implications for vasopressor-free resuscitation. <i>Acute and Critical Care</i> , 2020, 35, 93-101.	1.4	9
54	Elevated preoperative suPAR is a strong and independent risk marker for postoperative complications in patients undergoing major noncardiac surgery (SPARSE). <i>Surgery</i> , 2022, 171, 1619-1625.	1.9	9

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55	Intraarrest Rhythms and Rhythm Conversion in Asphyxial Cardiac Arrest. Academic Emergency Medicine, 2015, 22, 518-524.	1.8	8
56	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
57	Microcirculation-mediated preconditioning and intracellular hypothermia. Medical Hypotheses, 2018, 115, 8-12.	1.5	8
58	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
59	Assessment of Dynamic Changes in Stressed Volume and Venous Return during Hyperdynamic Septic Shock. Journal of Personalized Medicine, 2022, 12, 724.	2.5	8
60	Acute kidney injury. Lancet, The, 2012, 380, 1904.	13.7	6
61	Interleukin-6 as a Marker of Inflammation Secondary to Endotracheal Intubation in Pediatric Patients. Inflammation, 2013, 36, 1533-1538.	3.8	6
62	Attitude of elderly patients towards cardiopulmonary resuscitation in Greece. Geriatrics and Gerontology International, 2014, 14, 874-879.	1.5	6
63	Retention of knowledge and skills after Advanced Cardiovascular Life Support courses. American Journal of Emergency Medicine, 2014, 32, 1143-1147.	1.6	6
64	Effect of cardiac pacing on sleep-related breathing disorders: a systematic review. Heart Failure Reviews, 2016, 21, 579-590.	3.9	6
65	Critical emergency medicine and the resuscitative care unit. Acute and Critical Care, 2021, 36, 22-28.	1.4	6
66	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
67	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
68	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
69	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
70	Identifying the role of cytochrome c in post-resuscitation pathophysiology. American Journal of Emergency Medicine, 2015, 33, 1826-1830.	1.6	5
71	Centhaquin Effects in a Swine Model of Ventricular Fibrillation. Heart Lung and Circulation, 2017, 26, 856-863.	0.4	5
72	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

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73	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
74	Increasing stress volume vs. increasing tissue perfusion in septic patients. European Journal of Anaesthesiology, 2022, 39, 390-391.	1.7	5
75	Magnetically targeted drug delivery during cardiopulmonary resuscitation and the post-resuscitation period. Resuscitation, 2012, 83, 803-805.	3.0	4
76	Intra-abdominal hypertension: a potent silent killer of cardiac arrest survivors. American Journal of Emergency Medicine, 2012, 30, 502-504.	1.6	4
77	Controversies in neonatal resuscitation. Journal of Maternal-Fetal and Neonatal Medicine, 2013, 26, 50-54.	1.5	4
78	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
79	Metabolomics applied in neonatology. Bioanalysis, 2014, 6, 403-410.	1.5	4
80	Levosimendan Improves Neurological Outcome in a Swine Model of Asphyxial Cardiac Arrest. Heart Lung and Circulation, 2015, 24, 925-931.	0.4	4
81	Intralipid [®] 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
82	Education in resuscitation: The need for a new teaching method. American Journal of Emergency Medicine, 2017, 35, 370-371.	1.6	4
83	Interventions to improve cardiopulmonary resuscitation: a review of meta-analyses and future agenda. Critical Care, 2019, 23, 210.	5.8	4
84	Spontaneous Hemothorax Complicating von Recklinghausen Disease: Case Report and Treatment Algorithm. Journal of Emergency Medicine, 2020, 58, e63-e66.	0.7	4
85	Quality of life in adults with cystic fibrosis: the Greek experience. Pneumonologia I Alergologia Polska, 2016, 84, 205-211.	0.6	4
86	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
87	Enteric fever due to Salmonella Paratyphi A in Greece: a case report. Cases Journal, 2008, 1, 403.	0.4	3
88	Therapeutic hypothermia: Focus on microcirculation. Resuscitation, 2014, 85, 583-584.	3.0	3
89	Sinus Bradycardia During Targeted Temperature Management: A Systematic Review and Meta-Analysis. Therapeutic Hypothermia and Temperature Management, 2020, 10, 17-26.	0.9	3
90	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

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91	Soluble Urokinase Receptor Levels Are Not Affected by the Systemic Inflammatory Response to Anesthesia and Operative Trauma. <i>European Surgical Research</i> , 2022, 63, 249-256.	1.3	3
92	Cardiac arrest and cardiopulmonary resuscitation after ischemic stroke. <i>American Journal of Emergency Medicine</i> , 2012, 30, 1311-1312.	1.6	2
93	Outcomes of cardiopulmonary resuscitation efforts in a Greek tertiary hospital. <i>Acute Cardiac Care</i> , 2013, 15, 34-37.	0.2	2
94	One-hand chest compression and hands-off time in single-lay rescuer CPR—a manikin study. <i>American Journal of Emergency Medicine</i> , 2013, 31, 1462-1465.	1.6	2
95	Mechanotransduction and Cardiac Arrest during Marathon Running. <i>American Journal of Medicine</i> , 2013, 126, e23.	1.5	2
96	Severe sepsis and septic shock due to <i>Plasmodium vivax</i> infection. <i>American Journal of Emergency Medicine</i> , 2013, 31, 761.e1-761.e2.	1.6	2
97	Pretest-based group forming in advanced cardiovascular life support courses increases acquisition and retention of resuscitation knowledge. <i>American Journal of Emergency Medicine</i> , 2014, 32, 478-479.	1.6	2
98	The effects of n-acetylcysteine and desferoxamine on IL-6, TNF- α , and oxLDL after infrarenal aortic clamping. <i>Hellenike Cheirourgike Acta Chirurgica Hellenica</i> , 2015, 87, 407-414.	0.1	2
99	Activated charcoal may not be necessary in all oral overdoses of medication. <i>American Journal of Emergency Medicine</i> , 2016, 34, 319-321.	1.6	2
100	Stress hormones kinetics in ventricular fibrillation cardiac arrest and resuscitation: Translational and therapeutic implications. <i>American Journal of Emergency Medicine</i> , 2021, 50, 14-21.	1.6	2
101	Assessment of Post-Resuscitation Intestinal Injury and Timing of Bacterial Translocation in Swine Anaesthetized With Propofol-Based Total Intravenous Anaesthesia. <i>Cureus</i> , 2020, 12, e10362.	0.5	2
102	Urinary Metabolomics From a Dose-Fractionated Polymyxin B Rat Model of Acute Kidney Injury. <i>International Journal of Antimicrobial Agents</i> , 2022, 60, 106593.	2.5	2
103	Airway Remodeling and Cardiac Arrest in Long-Distance Ski Races. <i>Journal of the American College of Cardiology</i> , 2013, 61, 388-389.	2.8	1
104	Postcardiac arrest syndrome: second thoughts regarding therapeutic hypothermia. <i>Acta Physiologica</i> , 2013, 207, 324-325.	3.8	1
105	Should prehospital resuscitative thoracotomy be incorporated in advanced life support after traumatic cardiac arrest?. <i>European Journal of Trauma and Emergency Surgery</i> , 2014, 40, 395-397.	1.7	1
106	Continuous chest compression pediatric cardiopulmonary resuscitation after witnessed electrocution. <i>American Journal of Emergency Medicine</i> , 2014, 32, 686.e1-686.e2.	1.6	1
107	Comparison of coronary calcification of the culprit lesion between diabetic and non-diabetic patients with acute coronary syndrome. <i>American Journal of Emergency Medicine</i> , 2014, 32, 480-482.	1.6	1
108	Comparative study of Supreme, Cobra, and i-gel during spontaneous and controlled mechanical ventilation: a case series. <i>American Journal of Emergency Medicine</i> , 2015, 33, 1524-1525.	1.6	1

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109	Optimizing tissue perfusion during targeted temperature management. <i>Injury</i> , 2016, 47, 2383-2384.	1.7	1
110	Letter to the editor: Sepsis-associated in-hospital cardiac arrest: Epidemiology, pathophysiology, and potential therapies. <i>Journal of Critical Care</i> , 2017, 40, 314.	2.2	1
111	Views of cancer patients regarding cardiopulmonary resuscitation in Greece. <i>European Journal of Cancer Care</i> , 2018, 27, e12850.	1.5	1
112	Collaboration is the future of emergency medicine in Europe. <i>European Journal of Anaesthesiology</i> , 2019, 36, 379-380.	1.7	1
113	Airway Pressure Monitoring May Improve Small Airway Flow, Hemodynamics, and Tissue Oxygenation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 928-929.	5.6	1
114	Hellenic army recruits and change in tobacco use habits after entering military life. <i>Hellenic Journal of Cardiology</i> , 2021, 62, 309-311.	1.0	1
115	A single center experience in pediatric cardiomyopathy. Risk factors, outcomes and the effect of levosimendan. <i>Progress in Pediatric Cardiology</i> , 2020, 57, 101201.	0.4	1
116	Nasal high flow application for perioperative support of respiratory system in adult patients. <i>Journal of Emergency and Critical Care Medicine</i> , 2020, 4, 18-18.	0.7	1
117	Evaluation of resuscitation knowledge and skills in dentists before and after a European Resuscitation Council CPR/AED course. <i>Journal Resuscitatio Balcanica</i> , 2017, 3, 4-9.	0.2	1
118	Critical Emergency Medicine: a global need for essential emergency and critical care. <i>Journal of Emergency and Critical Care Medicine</i> , 0, 8, 24-24.	0.7	1
119	Watch Out for Burnout in COVID-19: A Greek Health Care Personnel Study. <i>Inquiry (United States)</i> , 2022, 59, 004695802210978.	0.9	1
120	Influence of electromagnetic interference on AED function in metro stations. <i>International Journal of Cardiology</i> , 2013, 168, 4260-4261.	1.7	0
121	Molecular and cellular effects of cardiac mechanotransduction during cardiopulmonary resuscitation and postresuscitation period: another piece in the puzzle. <i>American Journal of Emergency Medicine</i> , 2013, 31, 250-252.	1.6	0
122	Characteristics and survival to discharge of patients with STEMI between a PPCI-capable hospital and a non-PPCI hospital: A prospective observational study. <i>Acute Cardiac Care</i> , 2014, 16, 118-122.	0.2	0
123	Effectiveness of precordial thump in the treatment of shockable rhythms. <i>Resuscitation</i> , 2015, 96, 43-44.	3.0	0
124	Copper-coated thermometer for the prevention of cross-infections: preliminary results. <i>American Journal of Emergency Medicine</i> , 2016, 34, 653-656.	1.6	0
125	Reply to Letter: Mean airway pressure and outcome of OHCA. <i>Resuscitation</i> , 2017, 112, e1.	3.0	0
126	Survival after cardiac arrest in Greece. <i>International Journal of Cardiology</i> , 2017, 229, 57.	1.7	0

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127	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
128	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
129	Resuscitation in Limited Resources Environments. Hot Topics in Acute Care Surgery and Trauma, 2021, , 25-34.	0.1	0
130	Pharmacokinetic Disposition of Amiodarone When Given with an Intralipid Rescue Strategy. Pharmaceutics, 2021, 13, 539.	4.5	0
131	Diagnostic Biomarkers of Acute Kidney Injury in Newborns. , 2015, , 1-14.		0
132	Diagnostic Biomarkers of Acute Kidney Injury in Newborns. , 2016, , 27-40.		0
133	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
134	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