Ashish R Panchal

List of Publications by Year in descending order

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128 papers 4,924 citations

147566 31 h-index 65 g-index

129 all docs

129 docs citations

times ranked

129

4935 citing authors

#	Article	IF	CITATIONS
1	Part 3: Adult Basic and Advanced Life Support: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2020, 142, S366-S468.	1.6	896
2	Part 1: Executive Summary: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2020, 142, S337-S357.	1.6	414
3	Interim Guidance for Basic and Advanced Life Support in Adults, Children, and Neonates With Suspected or Confirmed COVID-19. Circulation, 2020, 141, e933-e943.	1.6	315
4	Impaired Myocardial Fatty Acid Oxidation and Reduced Protein Expression of Retinoid X Receptor- \hat{l}_{\pm} in Pacing-Induced Heart Failure. Circulation, 2002, 106, 606-612.	1.6	306
5	Chest compression depth and survival in out-of-hospital cardiac arrest. Resuscitation, 2014, 85, 182-188.	1.3	234
6	2019 American Heart Association Focused Update on Advanced Cardiovascular Life Support: Use of Advanced Airways, Vasopressors, and Extracorporeal Cardiopulmonary Resuscitation During Cardiac Arrest: An Update to the American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2019, 140, e881-e894.	1.6	150
7	Part 3: Ethical Issues. Circulation, 2015, 132, S383-96.	1.6	127
8	2018 American Heart Association Focused Update on Advanced Cardiovascular Life Support Use of Antiarrhythmic Drugs During and Immediately After Cardiac Arrest: An Update to the American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2018, 138, e740-e749.	1.6	126
9	Part 7: Systems of Care: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2020, 142, S580-S604.	1.6	104
10	Beta-receptor blockade decreases carnitine palmitoyl transferase I activity in dogs with heart failure. Journal of Cardiac Failure, 1998, 4, 121-126.	0.7	88
11	Partitioning of pyruvate between oxidation and anaplerosis in swine hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2390-H2398.	1.5	80
12	Association of Burnout with Workforce-Reducing Factors among EMS Professionals. Prehospital Emergency Care, 2018, 22, 229-236.	1.0	71
13	Inferior Vena Cava Measurement with Ultrasound: What Is the Best View and Best Mode?. Western Journal of Emergency Medicine, 2017, 18, 496-501.	0.6	70
14	Cardiovascular response to epinephrine varies with increasing duration of cardiac arrest. Resuscitation, 2008, 77, 101-110.	1.3	69
15	Naloxone Administration Frequency During Emergency Medical Service Events — United States, 2012–2016. Morbidity and Mortality Weekly Report, 2018, 67, 850-853.	9.0	58
16	Acute hibernation decreases myocardial pyruvate carboxylation and citrate release. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1613-H1620.	1.5	56
17	Reduced synthesis of NO causes marked alterations in myocardial substrate metabolism in conscious dogs. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E197-E206.	1.8	55
18	Disability-Adjusted Life Years Following Adult Out-of-Hospital Cardiac Arrest in the United States. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e004677.	0.9	55

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19	Opioid-Associated Out-of-Hospital Cardiac Arrest: Distinctive Clinical Features and Implications for Health Care and Public Responses: A Scientific Statement From the American Heart Association. Circulation, 2021, 143, e836-e870.	1.6	53
20	Use of double sequential external defibrillation for refractory ventricular fibrillation during out-of-hospital cardiac arrest. Resuscitation, 2016, 108, 82-86.	1.3	52
21	Alterations in enzymes involved in fat metabolism after acute and chronic altitude exposure. Journal of Applied Physiology, 2001, 90, 17-22.	1.2	50
22	Language of Transducer Manipulation. Journal of Ultrasound in Medicine, 2016, 35, 183-188.	0.8	49
23	Efficacy of Bolus-dose Phenylephrine for Peri-intubation Hypotension. Journal of Emergency Medicine, 2015, 49, 488-494.	0.3	46
24	Chest compression-only cardiopulmonary resuscitation performed by lay rescuers for adult out-of-hospital cardiac arrest due to non-cardiac aetiologies. Resuscitation, 2013, 84, 435-439.	1.3	45
25	Effect of Geriatricâ€Specific Trauma Triage Criteria on Outcomes in Injured Older Adults: A Statewide Retrospective Cohort Study. Journal of the American Geriatrics Society, 2016, 64, 1944-1951.	1.3	41
26	2019 American Heart Association Focused Update on Systems of Care: Dispatcher-Assisted Cardiopulmonary Resuscitation and Cardiac Arrest Centers: An Update to the American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2019, 140, e895-e903.	1.6	41
27	Glucagon-like peptide-1 (GLP-1) attenuates post-resuscitation myocardial microcirculatory dysfunction. Resuscitation, 2010, 81, 755-760.	1.3	40
28	Viewing a brief chest-compression-only CPR video improves bystander CPR performance and responsiveness in high school students: A cluster randomized trial. Resuscitation, 2016, 104, 28-33.	1.3	40
29	CPR variability during ground ambulance transport of patients in cardiac arrest. Resuscitation, 2013, 84, 592-595.	1.3	36
30	Females and Minority Racial/Ethnic Groups Remain Underrepresented in Emergency Medical Services: A Ten-Year Assessment, 2008–2017. Prehospital Emergency Care, 2020, 24, 180-187.	1.0	36
31	The impact of ultra-brief chest compression-only CPR video training on responsiveness, compression rate, and hands-off time interval among bystanders in a shopping mall. Resuscitation, 2014, 85, 1287-1290.	1.3	35
32	An "Intention-Focused―paradigm for improving bystander CPR performance. Resuscitation, 2015, 88, 48-51.	1.3	33
33	Performance of the RACE Score for the Prehospital Identification of Large Vessel Occlusion Stroke in a Suburban/Rural EMS Service. Prehospital Emergency Care, 2019, 23, 612-618.	1.0	33
34	Understanding the Importance of the Lay Responder Experience in Out-of-Hospital Cardiac Arrest: A Scientific Statement From the American Heart Association. Circulation, 2022, 145, CIR00000000001054.	1.6	33
35	Theme-based teaching of point-of-care ultrasound in undergraduate medical education. Internal and Emergency Medicine, 2015, 10, 613-618.	1.0	32
36	The association of job demands and resources with burnout among emergency medical services professionals. Journal of the American College of Emergency Physicians Open, 2020, 1, 6-16.	0.4	32

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37	Prehospital Stroke Assessment for Large Vessel Occlusions: A Systematic Review. Prehospital Emergency Care, 2018, 22, 180-188.	1.0	28
38	Demography of the National Emergency Medical Services Workforce: A Description of Those Providing Patient Care in the Prehospital Setting. Prehospital Emergency Care, 2021, 25, 213-220.	1.0	28
39	Viewing an ultra-brief chest compression only video improves some measures of bystander CPR performance and responsiveness at a mass gathering event. Resuscitation, 2017, 118, 96-100.	1.3	27
40	National Institutes of Health–Funded Cardiac Arrest Research: A 10‥ear Trend Analysis. Journal of the American Heart Association, 2017, 6, .	1.6	27
41	Ketamine in the Prehospital Environment: A National Survey of Paramedics in the United States. Prehospital and Disaster Medicine, 2018, 33, 23-28.	0.7	27
42	Part 2: Evidence Evaluation and Guidelines Development: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2020, 142, S358-S365.	1.6	27
43	Outcomes of an Advanced Ultrasound Elective. Journal of Ultrasound in Medicine, 2016, 35, 975-982.	0.8	26
44	Disparities in Feedback Provision to Emergency Medical Services Professionals. Prehospital Emergency Care, 2017, 21, 773-781.	1.0	26
45	Workplace Incivility Among Nationally Certified EMS Professionals and Associations with Workforce-Reducing Factors and Organizational Culture. Prehospital Emergency Care, 2019, 23, 346-355.	1.0	26
46	Association Between Sleep Duration and Ideal Cardiovascular Health Among US Adults, National Health and Nutrition Examination Survey, 2013–2016. Preventing Chronic Disease, 2020, 17, E43.	1.7	25
47	Low dose- high frequency, case based psychomotor CPR training improves compression fraction for patients with in-hospital cardiac arrest. Resuscitation, 2020, 146, 26-31.	1.3	24
48	Bedside ultrasound procedures: musculoskeletal and non-musculoskeletal. European Journal of Trauma and Emergency Surgery, 2016, 42, 127-138.	0.8	23
49	The Impact of Working Overtime or Multiple Jobs in Emergency Medical Services. Prehospital Emergency Care, 2020, 24, 657-664.	1.0	23
50	Insulin, transforming growth factors, and substrates modulate growth of guinea pig pancreatic duct cells in vitro. Gastroenterology, 1995, 109, 944-952.	0.6	21
51	Evidence-Based Guidelines for EMS Administration of Naloxone. Prehospital Emergency Care, 2019, 23, 749-763.	1.0	21
52	2021 Interim Guidance to Health Care Providers for Basic and Advanced Cardiac Life Support in Adults, Children, and Neonates With Suspected or Confirmed COVID-19. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e008396.	0.9	21
53	Comparing the Prevalence of Poor Sleep and Stress Metrics in Basic versus Advanced Life Support Emergency Medical Services Personnel. Prehospital Emergency Care, 2020, 24, 644-656.	1.0	19
54	Emergency Medical Services Personnel Awareness and Training about Personal Protective Equipment during the COVID-19 Pandemic. Prehospital Emergency Care, 2021, 25, 777-784.	1.0	19

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55	Analysis of Automated External Defibrillator Device Failures Reported to the Food and Drug Administration. Annals of Emergency Medicine, 2012, 59, 103-111.	0.3	18
56	Exiting the Emergency Medical Services Profession and Characteristics Associated with Intent to Return to Practice. Prehospital Emergency Care, 2018, 22, 28-33.	1.0	18
57	Delphi Analysis of Science Gaps in the 2015 American Heart Association Cardiac Arrest Guidelines. Journal of the American Heart Association, 2018, 7, .	1.6	18
58	Ultrasound Use in the Prehospital Setting for Trauma: A Systematic Review. Prehospital Emergency Care, 2021, 25, 1-17.	1.0	17
59	Post-ischemic treatment with dipyruvyl-acetyl-glycerol decreases myocardial infarct size in the pig. Cardiovascular Drugs and Therapy, 2003, 17, 209-216. 2022 Interim Guidance to Health Care Providers for Basic and Advanced Cardiac Life Support in Adults,	1.3	16
60	Children, and Neonates With Suspected or Confirmed COVID-19: From the Emergency Cardiovascular Care Committee and Get With The Guidelines-Resuscitation Adult and Pediatric Task Forces of the American Heart Association in Collaboration With the American Academy of Pediatrics, American Association for Respiratory Care, the Society of Critical Care Anesthesiologists, and American Society	0.9	16
61	of Anesthesiologists. Circulation: Cardiovascular Quality and Outcomes, 2022, 15, . Scholar Quest: A Residency Research Program Aligned With Faculty Goals. Western Journal of Emergency Medicine, 2014, 15, 299-305.	0.6	15
62	Comparison of Volunteer and Paid EMS Professionals in the United States. Prehospital Emergency Care, 2021, 25, 205-212.	1.0	15
63	COVID-19 Vaccinations in EMS Professionals: Prevalence and Predictors. Prehospital Emergency Care, 2022, 26, 632-640.	1.0	15
64	The Association of Death Notification and Related Training with Burnout among Emergency Medical Services Professionals. Prehospital Emergency Care, 2021, 25, 1-10.	1.0	13
65	Evidence-Based Guidelines for Prehospital Pain Management: Recommendations. Prehospital Emergency Care, 2023, 27, 144-153.	1.0	13
66	Differences in Out-of-Hospital Cardiac Arrest Management and Outcomes across Urban, Suburban, and Rural Settings. Prehospital Emergency Care, 2023, 27, 162-169.	1.0	13
67	Creation and Validation of a Novel Mobile Simulation Laboratory for High Fidelity, Prehospital, Difficult Airway Simulation. Prehospital and Disaster Medicine, 2016, 31, 465-470.	0.7	12
68	Interim Guidance for Basic and Advanced Life Support in Children and Neonates With Suspected or Confirmed COVID-19. Pediatrics, 2020, , e20201405.	1.0	12
69	Connecting Emergency Department Patients to Primary Care. Journal of the American Board of Family Medicine, 2015, 28, 722-732.	0.8	11
70	Methods and Implementation of the 2019 EMS Practice Analysis. Prehospital Emergency Care, 2022, 26, 212-222.	1.0	11
71	Pandemic Experience of First Responders: Fear, Frustration, and Stress. International Journal of Environmental Research and Public Health, 2022, 19, 4693.	1.2	11
72	Airway Management Proficiency Checklist for Assessing Paramedic Performance. Prehospital Emergency Care, 2017, 21, 354-361.	1.0	10

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73	Assessment of Paramedic Performance on Difficult Airway Simulation. Prehospital Emergency Care, 2020, 24, 411-420.	1.0	10
74	Prehospital Airway Management Training and Education: An NAEMSP Position Statement and Resource Document. Prehospital Emergency Care, 2022, 26, 3-13.	1.0	10
75	The Impact of Professionalism on Transfer of Care to theÂEmergency Department. Journal of Emergency Medicine, 2015, 49, 18-25.	0.3	9
76	Closing the Gap on COVID-19 Vaccinations in First Responders and Beyond: Increasing Trust. International Journal of Environmental Research and Public Health, 2022, 19, 644.	1.2	9
77	Differences in Cardiovascular Health Metrics in Emergency Medical Technicians Compared to Paramedics: A Cross-Sectional Study of Emergency Medical Services Professionals. Prehospital and Disaster Medicine, 2019, 34, 288-296.	0.7	8
78	Priorities for Prehospital Evidence-Based Guideline Development: A Modified Delphi Analysis. Prehospital Emergency Care, 2022, 26, 286-304.	1.0	8
79	Advanced Placement Paramedic Education for Health Care Professionals: A Descriptive Evaluation. Journal of Emergency Nursing, 2020, 46, 44-50.	0.5	7
80	Interim Guidance for Emergency Medical Services Management of Out-of-Hospital Cardiac Arrest During the COVID-19 Pandemic. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e007666.	0.9	7
81	Development of a Medical Student Cardiopulmonary Resuscitation Elective to Promote Education and Community Outreach. Cureus, 2019, 11, e4507.	0.2	7
82	External validation of Pittsburgh Cardiac Arrest Category illness severity score. Resuscitation, 2022, 172, 32-37.	1.3	7
83	Assessment of Fall-Related Emergency Medical Service Calls and Transports after a Community-Level Fall-Prevention Initiative. Prehospital Emergency Care, 2022, 26, 410-421.	1.0	6
84	Emergency medical services education research priorities during COVIDâ€19: A modified Delphi study. Journal of the American College of Emergency Physicians Open, 2021, 2, e12543.	0.4	6
85	Novel application of thoracic impedance to characterize ventilations during cardiopulmonary resuscitation in the pragmatic airway resuscitation trial. Resuscitation, 2021, 168, 58-64.	1.3	6
86	The COVID-19 vaccine concerns scale: Development and validation of a new measure. Human Vaccines and Immunotherapeutics, 2022, 18, 1-7.	1.4	6
87	Airway strategy and ventilation rates in the pragmatic airway resuscitation trial. Resuscitation, 2022, 176, 80-87.	1.3	6
88	Performance Standards of Comprehensive Airway Management for Emergency Medicine Residents. AEM Education and Training, 2019, 3, 39-49.	0.6	5
89	Seat belt use in the ambulance patient compartment by emergency medical services professionals is low regardless of patient presence, seating position, or patient acuity. Journal of Safety Research, 2019, 71, 173-180.	1.7	5
90	Feasibility, Effectiveness and Safety of Prehospital Intravenous Bolus Dose Nitroglycerin in Patients with Acute Pulmonary Edema. Prehospital Emergency Care, 2020, 24, 844-850.	1.0	5

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91	Development and Validation of Content Domains for Paramedic Prehospital Performance Assessment: A Focus Group and Delphi Method Approach. Prehospital Emergency Care, 2021, 25, 196-204.	1.0	5
92	Barriers to Physical Activity Among Emergency Medical Services Professionals. Journal of Physical Activity and Health, 2021, 18, 304-309.	1.0	5
93	A Proposed Theoretical Framework for Clinical Judgment in EMS. Prehospital Emergency Care, 2023, 27, 427-431.	1.0	5
94	Trends in demographic and employment characteristics of US emergency medical technicians and paramedics, 2011–2019. Journal of the American College of Emergency Physicians Open, 2022, 3, .	0.4	5
95	Clinical Outcomes in Cardiac Arrest Patients Following Prehospital Treatment with Therapeutic Hypothermia. Prehospital and Disaster Medicine, 2015, 30, 452-456.	0.7	4
96	The Effect of Ambulance Staffing Models in a Metropolitan, Fire-Based EMS System. Prehospital and Disaster Medicine, 2017, 32, 175-179.	0.7	4
97	Psychometric Analysis of a Survey on Patient Safety Culture–Based Tool for Emergency Medical Services. Journal of Patient Safety, 2018, Publish Ahead of Print, e1320-e1326.	0.7	4
98	Prehospital Efficacy and Adverse Events Associated with Bolus Dose Epinephrine in Hypotensive Patients During Ground-Based EMS Transport. Prehospital and Disaster Medicine, 2020, 35, 495-500.	0.7	4
99	EMS Program Graduates Who Did Not Retest after Initial Attempt on the National Certification Exam. Prehospital Emergency Care, 2022, 26, 664-672.	1.0	4
100	Public Health Surveillance of Behavioral Health Emergencies through Emergency Medical Services Data. Prehospital Emergency Care, 2022, 26, 792-800.	1.0	4
101	Towards a more uniform approach to prehospital care in the USA. European Journal of Emergency Medicine, 2020, 27, 400-401.	0.5	4
102	Administrative and Educational Characteristics of Paramedic Programs in the United States. Prehospital and Disaster Medicine, 2022, 37, 152-156.	0.7	4
103	Online research article discussion board to increase knowledge translation during emergency medicine residency. Advances in Medical Education and Practice, 2013, 4, 17.	0.7	3
104	High-Risk Medication Prescriptions in Primary Care for Women Without Documented Contraception. Journal of the American Board of Family Medicine, 2019, 32, 474-480.	0.8	3
105	Associations between sleep, stress, and cardiovascular health in emergency medical services personnel. Journal of the American College of Emergency Physicians Open, 2021, 2, e12516.	0.4	3
106	Evidence-Based Guidelines for Prehospital Pain Management: Literature and Methods. Prehospital Emergency Care, 2021, , 1-8.	1.0	3
107	Out-of-hospital cardiac arrests terminated without full resuscitation attempts: Characteristics and regional variability. Resuscitation, 2022, 172, 47-53.	1.3	3
108	Graduates from Accredited Paramedic Programs Have Higher Pass Rates on a National Certification Examination. Journal of Allied Health, 2018, 47, 250-254.	0.2	3

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109	State emergency medical services guidance and protocol changes in response to the COVIDâ€19 pandemic: A national investigation. Journal of the American College of Emergency Physicians Open, 2022, 3, e12687.	0.4	3
110	An Opportunity to Understand Concerns about COVID-19 Vaccination: Perspectives from EMS Professionals. Vaccines, 2022, 10, 380.	2.1	3
111	Feasibility of Spanish-language acquisition for acute medical care providers: novel curriculum for emergency medicine residencies. Advances in Medical Education and Practice, 2016, 7, 81.	0.7	2
112	A Randomized Comparison of In-hospital Rescuer Positions for Endotracheal Intubation in a Difficult Airway. Western Journal of Emergency Medicine, 2018, 19, 660-667.	0.6	2
113	The Impact of Selecting Specific Cohorts for Benchmarking and Interpretation of Emergency Department Patient Satisfaction Scores. Academic Emergency Medicine, 2020, 27, 388-393.	0.8	2
114	Research Funding of the Top Science Gaps in the American Heart Association Cardiac Arrest Guidelines. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e007627.	0.9	2
115	Paramedic and EMT Program Performance on Certification Examinations Varies by Program Size and Geographic Location. Prehospital Emergency Care, 2022, 26, 673-681.	1.0	2
116	Intentions and Motivations for Exiting the Emergency Medical Services Profession Differ Between Emergency Medical Technicians and Paramedics. Journal of Allied Health, 2020, 49, 53-59.	0.2	2
117	Half-dose Alteplase for Sub-massive Pulmonary Embolism Directed by Emergency Department Point-of-care Ultrasound. Western Journal of Emergency Medicine, 2015, 16, 181-183.	0.6	1
118	Closed Emergency Department Reduction of a Superior Patellar Dislocation After Blunt Trauma. Journal of Emergency Medicine, 2018, 55, 567-569.	0.3	1
119	Comprehensive Description of the Advanced Emergency Medical Technician Certification Level. Prehospital Emergency Care, 2020, 24, 394-400.	1.0	1
120	Paramedic interactions with the packaging of medications and medical supplies: Poor package design has the potential to impact patient outcomes. PLoS ONE, 2021, 16, e0255099.	1.1	1
121	Abstract 18403: In-hospital Evaluation of Low Dose- High Frequency, Case Based Psychomotor Cardiopulmonary Resuscitation Training Demonstrates High Levels of Program Compliance With Good CPR Quality Metrics. Circulation, 2015, 132, .	1.6	1
122	COVID-19 Booster Uptake among First Responders and Their Household Members May Be Lower than Anticipated. Vaccines, 2022, 10, 1011.	2.1	1
123	State Requirements for Medical Directors in the United States. Prehospital Emergency Care, 0, , 1-7.	1.0	1
124	A one-year cross sectional analysis of emergency medical services utilization and its association with hypertension in pregnancy. Prehospital Emergency Care, 2021, , 1-12.	1.0	0
125	Defibrillator Malfunction: It's Electric! Boogie, Woogie, Woogie!. , 2020, , 147-155.		0
126	Breakin' (Pacemakers): Electric Boogaloo. , 2020, , 469-477.		O

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127	Abstract 18100: Community-Based, Targeted CPR Education to Improve Survival From Out-of-hospital Cardiac Arrest in Tampa's High-risk Neighborhoods. Circulation, 2015, 132, .	1.6	0
128	Abstract 18364: Barriers to Community CPR Training in High-risk Neighborhoods- Lessons Learned From the Hands-only CPR Program. Circulation, 2015, 132, .	1.6	0