Romergryko G Geocadin

List of Publications by Citations

137 papers	7,844 citations	42 h-index	88 g-index
158 ext. papers	9,387 ext. citations	5.1 avg, IF	5.72 L-index

#	Paper	IF	Citations
137	Post-cardiac arrest syndrome: epidemiology, pathophysiology, treatment, and prognostication. A consensus statement from the International Liaison Committee on Resuscitation (American Heart Association, Australian and New Zealand Council on Resuscitation, European Resuscitation Council, Heart and Stroke Foundation of Canada, InterAmerican Heart Foundation, Resuscitation Council of	16.7	1038
136	Part 9: post-cardiac arrest care: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*, **2010**, 122, S768-86	16.7	983
135	Part 8: Post-Cardiac Arrest Care: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*, **2015**, 132, S465-82	16.7	913
134	Post-cardiac arrest syndrome: epidemiology, pathophysiology, treatment, and prognostication. A Scientific Statement from the International Liaison Committee on Resuscitation; the American Heart Association Emergency Cardiovascular Care Committee; the Council on Cardiovascular Surgery and Anesthesia; the Council on Cardiopulmonary, Perioperative, and Critical Care; the	4	667
133	Part 8: Advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*, **2010**, 122, S345-421	16.7	240
132	Part 4: Advanced Life Support: 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*, **2015**, 132, S84-145	16.7	222
131	Primary outcomes for resuscitation science studies: a consensus statement from the American Heart Association. *Circulation*, **2011**, 124, 2158-77	16.7	210
130	Part 4: Advanced life support: 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Resuscitation*, **2015**, 95, e71-120	4	180
129	Improving neurological outcomes post-cardiac arrest in a rat model: immediate hypothermia and quantitative EEG monitoring. *Resuscitation*, **2008**, 76, 431-42	4	141
128	Ketogenic diet for adults in super-refractory status epilepticus. *Neurology*, **2014**, 82, 665-70	6.5	127
127	A management algorithm for patients with intracranial pressure monitoring: the Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). *Intensive Care Medicine*, **2019**, 45, 1783-1794	14.5	124
126	Standards for Studies of Neurological Prognostication in Comatose Survivors of Cardiac Arrest: A Scientific Statement From the American Heart Association. *Circulation*, **2019**, 140, e517-e542	16.7	113
125	Long-term outcome after medical reversal of transtentorial herniation in patients with supratentorial mass lesions. *Critical Care Medicine*, **2000**, 28, 1556-64	1.4	103
124	Management of brain injury after resuscitation from cardiac arrest. *Neurologic Clinics*, **2008**, 26, 487-506, ix	4.5	98
123	Predictors of outcome in acute encephalitis. *Neurology*, **2013**, 81, 793-800	6.5	92
122	Development and validation of the Good Outcome Following Attempted Resuscitation (GO-FAR) score to predict neurologically intact survival after in-hospital cardiopulmonary resuscitation. *JAMA Internal Medicine*, **2013**, 173, 1872-8	11.5	89
121	Awakening and withdrawal of life-sustaining treatment in cardiac arrest survivors treated with therapeutic hypothermia*. *Critical Care Medicine*, **2014**, 42, 2493-9	1.4	86

120	A randomized controlled trial comparing the Arctic Sun to standard cooling for induction of hypothermia after cardiac arrest. *Resuscitation*, **2010**, 81, 9-14	4	83
119	Quantitative EEG and neurological recovery with therapeutic hypothermia after asphyxial cardiac arrest in rats. *Brain Research*, **2006**, 1111, 166-75	3.7	83
118	Neurologic recovery after therapeutic hypothermia in patients with post-cardiac arrest myoclonus. *Resuscitation*, **2012**, 83, 265-9	4	82
117	Heart-Brain Axis: Effects of Neurologic Injury on Cardiovascular Function. *Circulation Research*, **2017** , 120, 559-572	15.7	79
116	Early electrophysiologic markers predict functional outcome associated with temperature manipulation after cardiac arrest in rats. *Critical Care Medicine*, **2008**, 36, 1909-16	1.4	78
115	Phase I/II multicenter ketogenic diet study for adult superrefractory status epilepticus. *Neurology*, **2017**, 88, 938-943	6.5	76
114	Fluid therapy in neurointensive care patients: ESICM consensus and clinical practice recommendations. *Intensive Care Medicine*, **2018**, 44, 449-463	14.5	70
113	Impact of percutaneous coronary intervention performance reporting on cardiac resuscitation centers: a scientific statement from the American Heart Association. *Circulation*, **2013**, 128, 762-73	16.7	69
112	Hypothermia for neuroprotection after cardiac arrest: mechanisms, clinical trials and patient care. *Journal of the Neurological Sciences*, **2007**, 261, 118-26	3.2	63
111	Cerebral Autoregulation-oriented Therapy at the Bedside: A Comprehensive Review. *Anesthesiology*, **2017**, 126, 1187-1199	4.3	55
110	Sudden Cardiac Arrest Survivorship: A Scientific Statement From the American Heart Association. *Circulation*, **2020**, 141, e654-e685	16.7	55
109	Practice guideline summary: Reducing brain injury following cardiopulmonary resuscitation: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology. *Neurology*, **2017**, 88, 2141-2149	6.5	52
108	Critical care of traumatic spinal cord injury. *Journal of Intensive Care Medicine*, **2013**, 28, 12-23	3.3	52
107	Electroencephalography for diagnosis and prognosis of acute encephalitis. *Clinical Neurophysiology*, **2015**, 126, 1524-31	4.3	49
106	Early electrophysiological and histologic changes after global cerebral ischemia in rats. *Movement Disorders*, **2000**, 15 Suppl 1, 14-21	7	49
105	Implementation strategies for improving survival after out-of-hospital cardiac arrest in the United States: consensus recommendations from the 2009 American Heart Association Cardiac Arrest Survival Summit. *Circulation*, **2011**, 123, 2898-910	16.7	48
104	Quantitative EEG and effect of hypothermia on brain recovery after cardiac arrest. *IEEE Transactions on Biomedical Engineering*, **2006**, 53, 1016-23	5	48
103	Diagnosis and management of acute encephalitis: A practical approach. *Neurology: Clinical Practice*, **2014**, 4, 206-215	1.7	47

102	Acute encephalitis in immunocompetent adults. *Lancet, The*, **2019**, 393, 702-716	40	47
101	Intracerebral hemorrhage and postpartum cerebral vasculopathy. *Journal of the Neurological Sciences*, **2002**, 205, 29-34	3.2	45
100	Neurocritical Care for Extracorporeal Membrane Oxygenation Patients. *Critical Care Medicine*, **2019**, 47, 1773-1781	1.4	44
99	Validation of Near-Infrared Spectroscopy for Monitoring Cerebral Autoregulation in Comatose Patients. *Neurocritical Care*, **2017**, 27, 362-369	3.3	43
98	The ketogenic diet for medically and surgically refractory status epilepticus in the neurocritical care unit. *Neurocritical Care*, **2011**, 15, 519-24	3.3	43
97	Noninvasive Neurological Monitoring in Extracorporeal Membrane Oxygenation. *ASAIO Journal*, **2020**, 66, 388-393	3.6	43
96	Neurological prognostication after cardiac arrest. *Current Opinion in Critical Care*, **2015**, 21, 209-14	3.5	41
95	Neurological recovery by EEG bursting after resuscitation from cardiac arrest in rats. *Resuscitation*, **2002**, 55, 193-200	4	38
94	Quality of evidence in studies evaluating neuroimaging for neurologic prognostication in adult patients resuscitated from cardiac arrest. *Resuscitation*, **2014**, 85, 165-72	4	37
93	Multiscale entropy analysis of EEG for assessment of post-cardiac arrest neurological recovery under hypothermia in rats. *IEEE Transactions on Biomedical Engineering*, **2009**, 56, 1023-31	5	37
92	Coma after global ischemic brain injury: pathophysiology and emerging therapies. *Critical Care Clinics*, **2008**, 24, 25-44, vii-viii	4.5	36
91	Quantitative assessment of somatosensory-evoked potentials after cardiac arrest in rats: prognostication of functional outcomes. *Critical Care Medicine*, **2010**, 38, 1709-17	1.4	32
90	Therapeutic hypothermia for global and focal ischemic brain injury--a cool way to improve neurologic outcomes. *Neurologist*, **2007**, 13, 331-42	1.6	31
89	Post-cardiac arrest temperature manipulation alters early EEG bursting in rats. *Resuscitation*, **2008**, 78, 367-73	4	30
88	Postresuscitative intensive care: neuroprotective strategies after cardiac arrest. *Seminars in Neurology*, **2006**, 26, 396-402	3.2	29
87	Hypothermia amplifies somatosensory-evoked potentials in uninjured rats. *Journal of Neurosurgical Anesthesiology*, **2012**, 24, 197-202	3	25
86	Automated Pupillometry and Detection of Clinical Transtentorial Brain Herniation: A Case Series. *Military Medicine*, **2018**, 183, e113-e121	1.3	24
85	Cardiac arrest resuscitation: neurologic prognostication and brain death. *Current Opinion in Critical Care*, **2008**, 14, 261-8	3.5	23

84	Management of cardiac arrest patients to maximize neurologic outcome. *Current Opinion in Critical Care*, **2009**, 15, 118-24	3.5	23
83	Evolution of Somatosensory Evoked Potentials after Cardiac Arrest induced hypoxic-ischemic injury. *Resuscitation*, **2010**, 81, 893-7	4	21
82	Hypothermia and brain inflammation after cardiac arrest. *Brain Circulation*, **2018**, 4, 1-13	2.7	21
81	Neurophysiological Findings and Brain Injury Pattern in Patients on ECMO. *Clinical EEG and Neuroscience*, **2021**, 52, 462-469	2.3	19
80	Short- and long-latency somatosensory neuronal responses reveal selective brain injury and effect of hypothermia in global hypoxic ischemia. *Journal of Neurophysiology*, **2012**, 107, 1164-71	3.2	18
79	Post-cardiac arrest syndrome: update on brain injury management and prognostication. *Current Treatment Options in Neurology*, **2011**, 13, 191-203	4.4	17
78	Effect of acute hypoxic preconditioning on qEEG and functional recovery after cardiac arrest in rats. *Brain Research*, **2005**, 1064, 146-54	3.7	17
77	Intranasal post-cardiac arrest treatment with orexin-A facilitates arousal from coma and ameliorates neuroinflammation. *PLoS ONE*, **2017**, 12, e0182707	3.7	17
76	A subband-based information measure of EEG during brain injury and recovery after cardiac arrest. *IEEE Transactions on Biomedical Engineering*, **2008**, 55, 1985-90	5	16
75	Cerebral vasculitis: diagnosis and follow-up with transcranial Doppler ultrasonography. *Journal of Neuroimaging*, **2001**, 11, 333-5	2.8	16
74	Understanding Characteristics of Acute Brain Injury in Adult Extracorporeal Membrane Oxygenation: An Autopsy Study. *Critical Care Medicine*, **2020**, 48, e532-e536	1.4	15
73	Post-cardiac arrest encephalopathy. *Seminars in Neurology*, **2011**, 31, 216-25	3.2	15
72	Modifiable Risk Factors and Mortality From Ischemic and Hemorrhagic Strokes in Patients Receiving Venoarterial Extracorporeal Membrane Oxygenation: Results From the Extracorporeal Life Support Organization Registry. *Critical Care Medicine*, **2020**, 48, e897-e905	1.4	15
71	Rapid Induction of Therapeutic Hypothermia Using Transnasal High Flow Dry Air. *Therapeutic Hypothermia and Temperature Management*, **2017**, 7, 50-56	1.3	14
70	Long-lasting cognitive injury in rats with apparent full gross neurological recovery after short-term cardiac arrest. *Resuscitation*, **2007**, 75, 105-13	4	14
69	The Medical Management of Cerebral Edema: Past, Present, and Future Therapies. *Neurotherapeutics*, **2019**, 16, 1133-1148	6.4	13
68	Brain Injury and Neurologic Outcome in Patients Undergoing Extracorporeal Cardiopulmonary Resuscitation: A Systematic Review and Meta-Analysis. *Critical Care Medicine*, **2020**, 48, e611-e619	1.4	13
67	Treatment of elevated intracranial pressure with hyperosmolar therapy in patients with renal failure. *Neurocritical Care*, **2012**, 17, 388-94	3.3	13

66	Risk Factors of Ischemic and Hemorrhagic Strokes During Venovenous Extracorporeal Membrane Oxygenation: Analysis of Data From the Extracorporeal Life Support Organization Registry. *Critical Care Medicine*, **2021**, 49, 91-101	1.4	13
65	Neuroanatomical predictors of awakening in acutely comatose patients. *Annals of Neurology*, **2015**, 77, 804-16	9.4	12
64	Continuous intracranial pressure monitoring via the shunt reservoir to assess suspected shunt malfunction in adults with hydrocephalus. *Neurosurgical Focus*, **2007**, 22, E10	4.2	12
63	Intensive care for brain injury after cardiac arrest: therapeutic hypothermia and related neuroprotective strategies. *Critical Care Clinics*, **2006**, 22, 619-36; abstract viii	4.5	12
62	Abnormal movements in critical care patients with brain injury: a diagnostic approach. *Critical Care*, **2016**, 20, 60	10.8	11
61	Early prognostication in acute brain damage: where is the evidence?. *Current Opinion in Critical Care* , **2013**, 19, 113-22	3.5	11
60	Time jitter of somatosensory evoked potentials in recovery from hypoxic-ischemic brain injury. *Journal of Neuroscience Methods*, **2011**, 201, 355-60	3	11
59	Postoperative Cerebral Vasospasm Following Transsphenoidal Pituitary Adenoma Surgery. *World Neurosurgery*, **2016**, 92, 7-14	2.1	11
58	Cerebral herniation associated with central venous catheter insertion: risk assessment. *Journal of Critical Care*, **2013**, 28, 189-95	4	10
57	The use of apnea test and brain death determination in patients on extracorporeal membrane oxygenation: A systematic review. *Journal of Thoracic and Cardiovascular Surgery*, **2021**, 162, 867-877.e1	1.5	9
56	Determining the Upper and Lower Limits of Cerebral Autoregulation With Cerebral Oximetry Autoregulation Curves: A Case Series. *Critical Care Medicine*, **2018**, 46, e473-e477	1.4	9
55	Intensive care after resuscitation from cardiac arrest: a focus on heart and brain injury. *Neurologic Clinics*, **2006**, 24, 41-59, vi	4.5	9
54	Quantitative EEG assessment of brain injury and hypothermic neuroprotection after cardiac arrest. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2006**, 2006, 6229-32		9
53	Duration of Hyperoxia and Neurologic Outcomes in Patients Undergoing Extracorporeal Membrane Oxygenation. *Critical Care Medicine*, **2021**, 49, e968-e977	1.4	9
52	Intraventricular orexin-A improves arousal and early EEG entropy in rats after cardiac arrest. *Brain Research*, **2009**, 1255, 153-61	3.7	8
51	Quantitative EEG assessment. *IEEE Engineering in Medicine and Biology Magazine*, **2006**, 25, 20-5		8
50	Optimizing Mean Arterial Pressure in Acutely Comatose Patients Using Cerebral Autoregulation Multimodal Monitoring With Near-Infrared Spectroscopy. *Critical Care Medicine*, **2019**, 47, 1409-1415	1.4	8
49	Outcomes of Tracheostomy With Concomitant and Delayed Percutaneous Endoscopic Gastrostomy in the Neuroscience Critical Care Unit. *Journal of Intensive Care Medicine*, **2019**, 34, 835-843	3.3	8

48	Novel clinical features of nonconvulsive status epilepticus. *F1000Research*, **2017**, 6, 1690	3.6	7
47	Feasibility and Safety of Transnasal High Flow Air to Reduce Core Body Temperature in Febrile Neurocritical Care Patients: A Pilot Study. *Neurocritical Care*, **2019**, 31, 280-287	3.3	6
46	Effect of Body Temperature on Cerebral Autoregulation in Acutely Comatose Neurocritically Ill Patients. *Critical Care Medicine*, **2018**, 46, e733-e741	1.4	6
45	Brain code and coma recovery: aggressive management of cerebral herniation. *Seminars in Neurology*, **2013**, 33, 133-41	3.2	6
44	Medivance Arctic sun temperature management system. *Neurocritical Care*, **2005**, 3, 63-7	3.3	6
43	Effect of high flow transnasal dry air on core body temperature in intubated human subjects. *Resuscitation*, **2019**, 134, 49-54	4	5
42	Neuromonitoring detects brain injury in patients receiving extracorporeal membrane oxygenation support. *Journal of Thoracic and Cardiovascular Surgery*, **2021**,	1.5	3
41	Acute Brain Injury in Postcardiotomy Shock Treated With Venoarterial Extracorporeal Membrane Oxygenation. *Journal of Cardiothoracic and Vascular Anesthesia*, **2021**, 35, 1989-1996	2.1	3
40	Intraosseous Administration of 23.4% NaCl for Treatment of Intracranial Hypertension. *Neurocritical Care*, **2019**, 30, 364-371	3.3	3
39	Conversation prior to resuscitation: The new CPR. *Resuscitation*, **2016**, 99, e3	4	2
38	Early electroencephalogram for neurologic prognostication: A self-fulfilling prophecy?. *Annals of Neurology*, **2019**, 86, 473-474	9.4	2
37	Central nervous system infections: a critical care approach. *Current Neurology and Neuroscience Reports*, **2001**, 1, 577-86	6.6	2
36	The Use of Cerebral NIRS Monitoring to Identify Acute Brain Injury in Patients With VA-ECMO. *Journal of Intensive Care Medicine*, **2021**, 36, 1403-1409	3.3	2
35	A multimodal approach using somatosensory evoked potentials for prognostication in hypoglycemic encephalopathy. *Clinical Neurophysiology Practice*, **2019**, 4, 194-197	3.8	2
34	Clinical Reasoning: A 44-year-old woman with rapidly progressive weakness and ophthalmoplegia. *Neurology*, **2015**, 85, e22-7	6.5	1
33	Author response: Practice guideline summary: Reducing brain injury following cardiopulmonary resuscitation: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology. *Neurology*, **2017**, 89, 2302-2303	6.5	1
32	MANAGEMENT OF BRAIN INJURY AFTER CARDIAC ARREST. *CONTINUUM Lifelong Learning in Neurology*, **2009**, 15, 100-120	3	1
31	Neurological consultation in the ICU. *Seminars in Neurology*, **2008**, 28, 601-2	3.2	1

30	Acute-stage MRI cerebral oxygen consumption biomarkers predict 24-hour neurological outcome in a rat cardiac arrest model. *NMR in Biomedicine*, **2020**, 33, e4377	4.4	1
29	Lateral Brain Displacement and Cerebral Autoregulation in Acutely Comatose Patients. *Critical Care Medicine*, **2020**, 48, 1018-1025	1.4	1
28	ANA Investigates: Neural Circuit Concepts Connecting Neurology and Psychiatry. *Annals of Neurology*, **2021**, 90, 568-569	9.4	1
27	Sweeping TTM conclusion may deprive many post-arrest patients of effective therapy. *Intensive Care Medicine*, **2021**, 47, 1509-1510	14.5	1
26	Moving Beyond One-Size-Fits-All Treatment for Patients After Cardiac Arrest. *JAMA Network Open*, **2020**, 3, e208809	10.4	0
25	Early Thalamocortical Reperfusion Leads to Neurologic Recovery in a Rodent Cardiac Arrest Model.. *Neurocritical Care*, **2022**, 1	3.3	0
24	Neuropathological findings in comatose patients with venoarterial extracorporeal membrane oxygenation. *International Journal of Artificial Organs*, **2020**, 43, 614-619	1.9	0
23	Revisiting EEG as part of the multidisciplinary approach to post-cardiac arrest care and prognostication: A review.. *Resuscitation Plus*, **2022**, 9, 100189	1.4	0
22	Safety and Clinical Outcome of Good-Grade Aneurysmal Subarachnoid Hemorrhage in Non-Intensive Care Units. *Journal of Stroke and Cerebrovascular Diseases*, **2020**, 29, 105123	2.8	0
21	Updates on the Management of Neurologic Complications of Post-Cardiac Arrest Resuscitation. *Seminars in Neurology*, **2021**, 41, 388-397	3.2	0
20	Precision Care in Cardiac Arrest: ICECAP (PRECICECAP) Study Protocol and Informatics Approach.. *Neurocritical Care*, **2022**, 1	3.3	0
19	Parasitic encephalitis in immunocompetent individuals - AuthorsPreply. *Lancet, The*, **2019**, 394, 915	40	
18	The authors reply. *Critical Care Medicine*, **2015**, 43, e121-2	1.4	
17	Hypoxic Encephalopathy in the Neurocritical Care Unit **2019**, 382-391		
16	Commentary: Feasibility and Safety of Transnasal High Flow Air to Reduce Core Body Temperature. *Neurocritical Care*, **2019**, 31, 444-445	3.3	
15	Acute coma and disorders of consciousness. *Seminars in Neurology*, **2013**, 33, 81-2	3.2	
14	Postresuscitation neurologic prognostication and declaration of brain death885-901		
13	Disorders of intracranial pressure **2002**, 2016-2032		

List of Publications

12	Management of Anoxic Brain Injury **2020**, 337-346	
11	Intracranial Hypertension **2001**, 259-274	
10	Cerebral Resuscitation After Cardiac Arrest **2019**, 411-420	
9	Management of Anoxic Brain Injury **2017**, 363-371	
8	Brain Injury Following Cardiac Arrest **2010**, 389-407	
7	Coma and Brain Death **2012**, 327-349	
6	Therapeutic Hypothermia in Neurocritical Care **2013**, 743-754	
5	Studies Utilizing Therapeutic Hypothermia and Targeted Temperature Management. *Therapeutic Hypothermia and Temperature Management*, **2021**, 11, 71-75	1.3
4	Ischaemic stroke in a patient with myasthaenic crisis and antiphospholipid antibody syndrome. *BMJ Case Reports*, **2019**, 12,	0.9
3	Intranasal Orexin After Cardiac Arrest Leads to Increased Electroencephalographic Gamma Activity and Enhanced Neurologic Recovery in Rats **2021**, 3, e0349	
2	Time Out: More Observation Time to Allow for Stronger Science, Sharper Prognostic Tools, and Better Outcomes in Cardiac Arrest Survivors.. *Critical Care Medicine*, **2022**, 50, 507-510	1.4
1	Quantitative Assessment of Electroencephalogram Reactivity in Comatose Patients on Extracorporeal Membrane Oxygenation.. *International Journal of Neural Systems*, **2022**, 2250025	6.2