

Martin Sillesen

List of Publications by Year in descending order

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57
papers

1,256
citations

304368

22
h-index

377514

34
g-index

61
all docs

61
docs citations

61
times ranked

1529
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect on Treatment Delay of Prehospital Teletransmission of 12-Lead Electrocardiogram to a Cardiologist for Immediate Triage and Direct Referral of Patients With ST-Segment Elevation Acute Myocardial Infarction to Primary Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , 2008, 101, 941-946.	0.7	145
2	Assessment of coagulopathy, endothelial injury, and inflammation after traumatic brain injury and hemorrhage in a porcine model. <i>Journal of Trauma and Acute Care Surgery</i> , 2014, 76, 12-20.	1.1	73
3	Developing and validating COVID-19 adverse outcome risk prediction models from a bi-national European cohort of 5594 patients. <i>Scientific Reports</i> , 2021, 11, 3246.	1.6	62
4	Pharmacologic resuscitation for hemorrhagic shock combined with traumatic brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 73, 1461-1470.	1.1	59
5	Platelet activation and dysfunction in a large-animal model of traumatic brain injury and hemorrhage. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 74, 1252-1259.	1.1	53
6	Detection of Extracellular Genomic DNA Scaffold in Human Thrombus: Implications for the Use of Deoxyribonuclease Enzymes in Thrombolysis. <i>Journal of Vascular and Interventional Radiology</i> , 2012, 23, 712-718.	0.2	47
7	Statins Improve the Resolution of Established Murine Venous Thrombosis: Reductions in Thrombus Burden and Vein Wall Scarring. <i>PLoS ONE</i> , 2015, 10, e0116621.	1.1	45
8	Pregnancy with prosthetic heart valves â€” 30 yearsâ€™ nationwide experience in Denmark. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 448-54.	0.6	42
9	Assessing the utility of deep neural networks in predicting postoperative surgical complications: a retrospective study. <i>The Lancet Digital Health</i> , 2021, 3, e471-e485.	5.9	41
10	Diversion of ST-elevation myocardial infarction patients for primary angioplasty based on wireless prehospital 12-lead electrocardiographic transmission directly to the cardiologist's handheld computer: a progress report. <i>Journal of Electrocardiology</i> , 2005, 38, 194-198.	0.4	40
11	Synergistic effects of fresh frozen plasma and valproic acid treatment in a combined model of traumatic brain injury and hemorrhagic shock. <i>Surgery</i> , 2013, 154, 388-396.	1.0	38
12	Resuscitation with Valproic Acid Alters Inflammatory Genes in a Porcine Model of Combined Traumatic Brain Injury and Hemorrhagic Shock. <i>Journal of Neurotrauma</i> , 2016, 33, 1514-1521.	1.7	38
13	De novo EIF2AK1 and EIF2AK2 Variants Are Associated with Developmental Delay, Leukoencephalopathy, and Neurologic Decompensation. <i>American Journal of Human Genetics</i> , 2020, 106, 570-583.	2.6	37
14	Postoperative complications: an observational study of trends in the United States from 2012 to 2018. <i>BMC Surgery</i> , 2021, 21, 393.	0.6	37
15	Fresh frozen plasma resuscitation attenuates platelet dysfunction compared with normal saline in a large animal model of multisystem trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2014, 76, 998-1007.	1.1	34
16	Effect of pharmacologic resuscitation on the brain gene expression profiles in a swine model of traumatic brain injury and hemorrhage. <i>Journal of Trauma and Acute Care Surgery</i> , 2014, 77, 906-912.	1.1	32
17	Early treatment with lyophilized plasma protects the brain in a large animal model of combined traumatic brain injury and hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 75, 976-983.	1.1	29
18	Effect of valproic acid and injury on lesion size and endothelial glycocalyx shedding in a rodent model of isolated traumatic brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2014, 77, 292-297.	1.1	28

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19	Normal saline influences coagulation and endothelial function after traumatic brain injury and hemorrhagic shock in pigs. <i>Surgery</i> , 2014, 156, 556-563.	1.0	27
20	Referral of patients with ST-segment elevation acute myocardial infarction directly to the catheterization suite based on prehospital teletransmission of 12-lead electrocardiogram. <i>Journal of Electrocardiology</i> , 2008, 41, 49-53.	0.4	26
21	Pharmacologic modulation of cerebral metabolic derangement and excitotoxicity in a porcine model of traumatic brain injury and hemorrhagic shock. <i>Surgery</i> , 2013, 154, 234-243.	1.0	26
22	Fresh-frozen plasma resuscitation after traumatic brain injury and shock attenuates extracellular nucleosome levels and deoxyribonuclease 1 depletion. <i>Surgery</i> , 2013, 154, 197-205.	1.0	26
23	Differential effects of fresh frozen plasma and normal saline on secondary brain damage in a large animal model of polytrauma, hemorrhage and traumatic brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 75, 968-975.	1.1	23
24	Ketamine as a Rapid Sequence Induction Agent in the Trauma Population: A Systematic Review. <i>Anesthesia and Analgesia</i> , 2019, 128, 504-510.	1.1	21
25	Treatment with a histone deacetylase inhibitor, valproic acid, is associated with increased platelet activation in a large animal model of traumatic brain injury and hemorrhagic shock. <i>Journal of Surgical Research</i> , 2014, 190, 312-318.	0.8	20
26	Fresh Frozen Plasma Resuscitation Provides Neuroprotection Compared to Normal Saline in a Large Animal Model of Traumatic Brain Injury and Polytrauma. <i>Journal of Neurotrauma</i> , 2015, 32, 307-313.	1.7	18
27	Histone deacetylase inhibitor treatment attenuates coagulation imbalance in a lethal murine model of sepsis. <i>Surgery</i> , 2014, 156, 214-220.	1.0	17
28	Fresh Frozen Plasma Modulates Brain Gene Expression in a Swine Model of Traumatic Brain Injury and Shock: A Network Analysis. <i>Journal of the American College of Surgeons</i> , 2017, 224, 49-58.	0.2	17
29	Different resuscitation strategies and novel pharmacologic treatment with valproic acid in traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2018, 96, 711-719.	1.3	16
30	Platelet activation and dysfunction in a large-animal model of traumatic brain injury and hemorrhage. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 74, 1252-1259.	1.1	14
31	Histone deacetylase gene expression profiles are associated with outcomes in blunt trauma patients. <i>Journal of Trauma and Acute Care Surgery</i> , 2016, 80, 26-33.	1.1	14
32	Using machine learning for predicting intensive care unit resource use during the COVID-19 pandemic in Denmark. <i>Scientific Reports</i> , 2021, 11, 18959.	1.6	13
33	Resuscitation speed affects brain injury in a large animal model of traumatic brain injury and shock. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2014, 22, 46.	1.1	12
34	Valproic acid modulates platelet and coagulation function ex vivo. <i>Blood Coagulation and Fibrinolysis</i> , 2017, 28, 479-484.	0.5	12
35	Modulation of Brain Transcriptome by Combined Histone Deacetylase Inhibition and Plasma Treatment Following Traumatic Brain Injury and Hemorrhagic Shock. <i>Shock</i> , 2021, 55, 110-120.	1.0	8
36	Smoking and risk of surgical bleeding: nationwide analysis of 5,452,411 surgical cases. <i>Transfusion</i> , 2020, 60, 1689-1699.	0.8	8

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37	Effect of Transfusion Strategy in Acute Non-Variceal Upper Gastrointestinal Bleeding: A Nationwide Study of 5861 Hospital Admissions in Denmark. <i>World Journal of Surgery</i> , 2016, 40, 1129-1136.	0.8	7
38	Assessment of post-trauma complications in eight million trauma cases over a decade in the USA. <i>Trauma Surgery and Acute Care Open</i> , 2021, 6, e000667.	0.8	7
39	Valproic acid attenuates platelet dysfunction, endothelial glycocalyx shedding and protein C activation in a porcine model of traumatic brain injury and shock. <i>Journal of the American College of Surgeons</i> , 2013, 217, S51.	0.2	4
40	Valproic Acid Induces the NEUROD1 Transcriptional Program of Neurogenesis after Traumatic Brain Injury. <i>Journal of the American College of Surgeons</i> , 2016, 223, S160.	0.2	4
41	Tubastatin A prevents hemorrhage-induced endothelial barrier dysfunction. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 84, 386-392.	1.1	4
42	Perioperative exercise training for patients with gastrointestinal cancer undergoing surgery: A systematic review and meta-analysis. <i>European Journal of Surgical Oncology</i> , 2021, 47, 3028-3039.	0.5	4
43	Coagulation changes following traumatic brain injury and shock. <i>Danish Medical Journal</i> , 2014, 61, B4974.	0.5	4
44	Agreement Between Standard and ICD-10-Based Injury Severity Scores. <i>Clinical Epidemiology</i> , 2022, Volume 14, 201-210.	1.5	4
45	Transfusion Strategies are Associated with Epigenetic Changes Following Blunt Trauma. <i>Shock</i> , 2018, 50, 24-30.	1.0	3
46	No Correlation Between Work-Hours and Operative Volumes—A Comparison Between United States and Danish Operative Volumes Achieved During Surgical Residency. <i>Journal of Surgical Education</i> , 2016, 73, 461-465.	1.2	2
47	Changes in Early Epigenetic Transcriptome after Blunt Trauma. <i>Journal of the American College of Surgeons</i> , 2017, 225, S52.	0.2	2
48	Ketamine for rapid sequence intubation in adult trauma patients: A retrospective observational study. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 1234-1242.	0.7	2
49	Animal Models of Trauma Induced Coagulopathy. , 2016, , 545-565.		2
50	The effect of resuscitation strategy on the longitudinal immuno-inflammatory response to blunt trauma. <i>Injury</i> , 2017, 48, 2670-2674.	0.7	1
51	Identification of a new genetic variant associated with cholecystitis: A multicenter genome-wide association study. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 89, 173-178.	1.1	1
52	An assessment of the effect of the genotype on postoperative venous thromboembolism risk in 140,831 surgical patients. <i>Annals of Medicine and Surgery</i> , 2021, 71, 102938.	0.5	1
53	Effect of hospital-admission volume on outcomes following acute non-variceal upper gastrointestinal bleeding. <i>Danish Medical Journal</i> , 2019, 66, .	0.5	1
54	The effect of fluid resuscitation strategy on monocyte and T-cell surface markers. <i>Journal of Surgical Research</i> , 2018, 230, 20-27.	0.8	0

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55	Modulation of Brain Transcriptome by Valproic Acid and Fresh Frozen Plasma Treatments after Traumatic Brain Injury and Hemorrhagic Shock. <i>Journal of the American College of Surgeons</i> , 2019, 229, S190-S191.	0.2	0
56	Hemorrhage and saline resuscitation are associated with epigenetic and proteomic reprogramming in the rat lung. <i>Injury</i> , 2021, 52, 2095-2103.	0.7	0
57	Unraveling the Cytoprotective Effects of Valproic Acid: A Transcriptomics Meta-Analysis of Transfusion Strategies for Hemorrhagic Shock and Traumatic Brain Injury. <i>Blood</i> , 2021, 138, 3245-3245.	0.6	0