

# Elizabeth R Lusczek

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

788  
citations

623574

14  
h-index

552653

26  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observations of the Askaryan Effect in Ice. <i>Physical Review Letters</i> , 2007, 99, 171101.	2.9	117
2	Observation of Ultrahigh-Energy Cosmic Rays with the ANITA Balloon-Borne Radio Interferometer. <i>Physical Review Letters</i> , 2010, 105, 151101.	2.9	107
3	Energy and flux measurements of ultra-high energy cosmic rays observed during the first ANITA flight. <i>Astroparticle Physics</i> , 2016, 77, 32-43.	1.9	55
4	Chronic Alcohol Ingestion Increases Mortality and Organ Injury in a Murine Model of Septic Peritonitis. <i>PLoS ONE</i> , 2013, 8, e62792.	1.1	47
5	Characterizing COVID-19 clinical phenotypes and associated comorbidities and complication profiles. <i>PLoS ONE</i> , 2021, 16, e0248956.	1.1	47
6	In situ radioglaciological measurements near Taylor Dome, Antarctica and implications for ultra-high energy (UHE) neutrino astronomy. <i>Astroparticle Physics</i> , 2008, 29, 130-157.	1.9	27
7	Urinary metabolic network analysis in trauma, hemorrhagic shock, and resuscitation. <i>Metabolomics</i> , 2013, 9, 223-235.	1.4	26
8	Metabolomics classifies phase of care and identifies risk for mortality in a porcine model of multiple injuries and hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 73, S147-S155.	1.1	25
9	Assessment of key plasma metabolites in combat casualties. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, 309-316.	1.1	24
10	Liver Metabolomic Changes Identify Biochemical Pathways in Hemorrhagic Shock. <i>Journal of Surgical Research</i> , 2010, 164, e131-e139.	0.8	20
11	A Four-Compartment Metabolomics Analysis of the Liver, Muscle, Serum, and Urine Response to Polytrauma with Hemorrhagic Shock following Carbohydrate Prefeed. <i>PLoS ONE</i> , 2015, 10, e0124467.	1.1	16
12	Portal Vein Thrombosis After Total Pancreatectomy and Islet Autotransplant. <i>Pancreas</i> , 2019, 48, 1329-1333.	0.5	16
13	Risk Factors of Mortality for Patients Receiving Venovenous Extracorporeal Membrane Oxygenation for COVID-19 Acute Respiratory Distress Syndrome. <i>Surgical Infections</i> , 2021, 22, 1086-1092.	0.7	16
14	Three-dimensional patient setup errors at different treatment sites measured by the Tomotherapy megavoltage CT. <i>Strahlentherapie Und Onkologie</i> , 2012, 188, 346-352.	1.0	15
15	Urinary <sup>1</sup> H-NMR metabolomics can distinguish pancreatitis patients from healthy controls. <i>JOP: Journal of the Pancreas</i> , 2013, 14, 161-70.	1.5	15
16	Fed State Prior to Hemorrhagic Shock and Polytrauma in a Porcine Model Results in Altered Liver Transcriptomic Response. <i>PLoS ONE</i> , 2014, 9, e100088.	1.1	14
17	Modelling the heart as a communication system. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141201.	1.5	14
18	Metabolomics in COPD Acute Respiratory Failure Requiring Noninvasive Positive Pressure Ventilation. <i>Canadian Respiratory Journal</i> , 2017, 2017, 1-9.	0.8	14

#	ARTICLE	IF	CITATIONS
19	Hibernation-Based Approaches in the Treatment of Hemorrhagic Shock. <i>Shock</i> , 2018, 50, 14-23.	1.0	14
20	Urinary metabolites predict mortality or need for renal replacement therapy after combat injury. <i>Critical Care</i> , 2021, 25, 119.	2.5	14
21	Prolonged Induced Hypothermia in Hemorrhagic Shock Is Associated With Decreased Muscle Metabolism. <i>Shock</i> , 2014, 41, 79-84.	1.0	13
22	Urine Metabolomics in Hemorrhagic Shock: Normalization of Urine in the Face of Changing Intravascular Fluid Volume and Perturbations in Metabolism. <i>Journal of Bioanalysis &amp; Biomedicine</i> , 2011, 03, .	0.1	11
23	Anoxia inhibits biofilm development and modulates antibiotic activity. <i>Journal of Surgical Research</i> , 2013, 184, 488-494.	0.8	10
24	The Use of Venovenous Extracorporeal Membrane Oxygenation in COVID-19 Infection: One Region's Comprehensive Experience. <i>ASAIO Journal</i> , 2021, 67, 503-510.	0.9	10
25	Carbohydrate fed state alters the metabolomic response to hemorrhagic shock and resuscitation in liver. <i>Metabolomics</i> , 2014, 10, 950-957.	1.4	9
26	Plasma metabolomics pilot study suggests age and sex-based differences in the metabolic response to traumatic injury. <i>Injury</i> , 2018, 49, 2178-2185.	0.7	8
27	Comparison of Outcomes and Process of Care for Patients Treated at Hospitals Dedicated for COVID-19 Care vs Other Hospitals. <i>JAMA Network Open</i> , 2022, 5, e220873.	2.8	8
28	Increasing Mortality in Venovenous Extracorporeal Membrane Oxygenation for COVID-19-Associated Acute Respiratory Distress Syndrome. , 2022, 4, e0655.		8
29	<sup>1</sup> H-NMR Metabolomics Identifies Significant Changes in Metabolism over Time in a Porcine Model of Severe Burn and Smoke Inhalation. <i>Metabolites</i> , 2019, 9, 142.	1.3	7
30	Thromboembolic Complications in the First Year After Acute Pancreatitis Diagnosis. <i>Pancreas</i> , 2021, 50, 751-755.	0.5	7
31	Light Levels in ICU Patient Rooms: Dimming of Daytime Light in Occupied Rooms. <i>Journal of Patient Experience</i> , 2021, 8, 237437352110331.	0.4	7
32	Preinjury Fed State Alters the Physiologic Response in a Porcine Model of Hemorrhagic Shock and Polytrauma. <i>Shock</i> , 2015, 44, 103-113.	1.0	6
33	Mortality After Elective Surgery: The Potential Role for Preoperative Palliative Care. <i>Journal of Surgical Research</i> , 2021, 266, 44-53.	0.8	6
34	Bovine serum albumin as a molecular sensor for the discrimination of complex metabolite samples. <i>Analytica Chimica Acta</i> , 2014, 818, 61-66.	2.6	5
35	Characteristics of Combat-Associated Small Bowel Injuries. <i>Military Medicine</i> , 2018, 183, e454-e459.	0.4	5
36	Stereotypical Metabolic Response to Endoscopic Retrograde Cholangiopancreatography Show Alterations in Pancreatic Function Regardless of Post-Procedure Pancreatitis. <i>Clinical and Translational Gastroenterology</i> , 2016, 7, e169.	1.3	4

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37	Characterization of the concurrent metabolic changes in brain and plasma during insulin-induced moderate hypoglycemia using <sup>1</sup> H NMR spectroscopy in juvenile rats. <i>Neuroscience Letters</i> , 2017, 653, 370-375.	1.0	4
38	Assessment of prehospital hemorrhage and airway care using a simulation model. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 85, S27-S32.	1.1	4
39	Enhancing Cosinor Analysis of Circadian Phase Markers Using the Gamma Distribution. <i>Sleep Medicine</i> , 2022, 92, 1-3.	0.8	4
40	Metabolomic analysis of survival in carbohydrate pre-fed pigs subjected to shock and polytrauma. <i>Molecular BioSystems</i> , 2016, 12, 1638-1652.	2.9	3
41	Metabolic networks in a porcine model of trauma and hemorrhagic shock demonstrate different control mechanism with carbohydrate pre-feed. <i>BMC Emergency Medicine</i> , 2015, 15, 13.	0.7	2
42	Metabolomics Pilot Study Identifies Desynchronization of 24-H Rhythms and Distinct Intra-patient Variability Patterns in Critical Illness: A Preliminary Report. <i>Frontiers in Neurology</i> , 2020, 11, 533915.	1.1	2
43	Gastrointestinal Bleed After Total Pancreatectomy With Islet Autotransplant. <i>Pancreas</i> , 2021, 50, 841-846.	0.5	1
44	Outcomes of Patients Undergoing Interfacility Extracorporeal Membrane Oxygenation Transfer Based on Cannulation Location and Mode of Transport. , 2022, 4, e0664.		1
45	Metabolomics in COPD Acute Respiratory Failure. <i>Chest</i> , 2016, 150, 885A.	0.4	0
46	Mortality after Elective Surgery: The Potential Role for Palliative Care. <i>Journal of the American College of Surgeons</i> , 2019, 229, S120-S121.	0.2	0
47	Serum Metabolomics as a Powerful Tool in Distinguishing Trauma from Other Critical Illness Conditions. , 0, , .		0
48	Evaluation of Minnesota Score in the Allocation of Venovenous Extracorporeal Membrane Oxygenation During Resource Scarcity. <i>Critical Care Research and Practice</i> , 2022, 2022, 1-7.	0.4	0