

# David P Stonko

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

681  
citations

623734

14  
h-index

642732

23  
g-index

52  
all docs

52  
docs citations

52  
times ranked

976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine-learning analysis outperforms conventional statistical models and CT classification systems in predicting 6-month outcomes in pediatric patients sustaining traumatic brain injury. <i>Neurosurgical Focus</i> , 2018, 45, E2.	2.3	79
2	Machine learning analyses can differentiate meningioma grade by features on magnetic resonance imaging. <i>Neurosurgical Focus</i> , 2018, 45, E4.	2.3	57
3	Identifying temporal patterns in trauma admissions: Informing resource allocation. <i>PLoS ONE</i> , 2018, 13, e0207766.	2.5	38
4	Using an artificial neural network to predict traumatic brain injury. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 23, 219-226.	1.3	31
5	Prediction of Prolonged Ventilation after Coronary Artery Bypass Grafting: Data from an Artificial Neural Network. <i>Heart Surgery Forum</i> , 2017, 20, 007.	0.5	30
6	Effect of obesity on cost per quality-adjusted life years gained following anterior cervical discectomy and fusion in elective degenerative pathology. <i>Spine Journal</i> , 2016, 16, 1342-1350.	1.3	28
7	Surgical Resection of Intradural Extramedullary Spinal Tumors. <i>Spine</i> , 2016, 41, 1925-1932.	2.0	27
8	A Mathematical Model of Collective Cell Migration in a Three-Dimensional, Heterogeneous Environment. <i>PLoS ONE</i> , 2015, 10, e0122799.	2.5	26
9	Is obesity associated with worse patient-reported outcomes following lumbar surgery for degenerative conditions?. <i>European Spine Journal</i> , 2016, 25, 1627-1633.	2.2	24
10	Does Obesity Correlate With Worse Patient-Reported Outcomes Following Elective Anterior Cervical Discectomy and Fusion?. <i>Neurosurgery</i> , 2016, 79, 69-74.	1.1	22
11	Hypoxia-inducible factor-1 $\alpha$ restricts the anabolic actions of parathyroid hormone. <i>Bone Research</i> , 2014, 2, 14005.	11.4	20
12	Patient-Reported Outcomes and Costs Associated With Revision Surgery for Degenerative Cervical Spine Diseases. <i>Spine</i> , 2018, 43, E423-E429.	2.0	19
13	A Preoperative Educational Time-Out is Associated with Improved Resident Goal Setting and Strengthens Educational Experiences. <i>Journal of Surgical Education</i> , 2020, 77, 18-26.	2.5	18
14	Mathematical modeling reveals modulation of both nuclear influx and efflux of Foxo1 by the IGF-I/PI3K/Akt pathway in skeletal muscle fibers. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C570-C584.	4.6	17
15	Healthcare Resource Utilization and Patient-Reported Outcomes Following Elective Surgery for Intradural Extramedullary Spinal Tumors. <i>Neurosurgery</i> , 2017, 81, 613-619.	1.1	16
16	Artificial neural networks can predict trauma volume and acuity regardless of center size and geography: A multicenter study. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, 181-187.	2.1	16
17	A technical and data analytic approach to pressure-volume loops over numerous cardiac cycles. <i>JVS Vascular Science</i> , 2022, 3, 73-84.	1.1	16
18	Transcarotid artery revascularization is associated with similar outcomes to carotid endarterectomy regardless of patient risk status. <i>Journal of Vascular Surgery</i> , 2022, 76, 474-481.e3.	1.1	16

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19	Preoperative and surgical factors associated with postoperative intensive care unit admission following operative treatment for degenerative lumbar spine disease. <i>European Spine Journal</i> , 2016, 25, 843-849.	2.2	15
20	A retrospective review comparing two-year patient-reported outcomes, costs, and healthcare resource utilization for TLIF vs. PLF for single-level degenerative spondylolisthesis. <i>European Spine Journal</i> , 2018, 27, 661-669.	2.2	14
21	Artificial intelligence in trauma systems. <i>Surgery</i> , 2021, 169, 1295-1299.	1.9	14
22	Patient-reported outcomes after lumbar epidural steroid injection for degenerative spine disease in depressed versus non-depressed patients. <i>Spine Journal</i> , 2017, 17, 511-517.	1.3	12
23	Index atherectomy peripheral vascular interventions performed for claudication are associated with more reinterventions than nonatherectomy interventions. <i>Journal of Vascular Surgery</i> , 2022, 76, 489-498.e4.	1.1	12
24	The Underlying Cardiovascular Mechanisms of Resuscitation and Injury of REBOA and Partial REBOA. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	12
25	Ectopic Fetal Hepatic Tissue in the Placenta. <i>International Journal of Gynecological Pathology</i> , 2019, 38, 426-429.	1.4	11
26	Effect of Complications within 90 Days on Cost Per Quality-Adjusted Life Year Gained Following Elective Surgery for Degenerative Lumbar Spine Disease. <i>Neurosurgery</i> , 2017, 64, 157-164.	1.1	9
27	Trauma Quality Improvement: Reducing Triage Errors by Automating the Level Assignment Process. <i>Journal of Surgical Education</i> , 2018, 75, 1551-1557.	2.5	9
28	Preoperative goal setting and perioperative communication in an academic training institution: Where do we stand?. <i>American Journal of Surgery</i> , 2019, 217, 318-322.	1.8	9
29	Contemporary Management and Outcomes of Injuries to the Inferior Vena Cava: A Prospective Multicenter Trial From PROspective Observational Vascular Injury Treatment. <i>American Surgeon</i> , 2023, 89, 714-719.	0.8	8
30	In-hospital outcomes in autogenous vein versus synthetic graft interposition for traumatic arterial injury: A propensity-matched cohort from PROOVIT. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 92, 407-412.	2.1	7
31	Artificial intelligence's role in vascular surgery decision-making. <i>Seminars in Vascular Surgery</i> , 2021, 34, 260-267.	2.8	6
32	Failure to Rescue in Geriatric Trauma: The Impact of Any Complication Increases with Age and Injury Severity in Elderly Trauma Patients. <i>American Surgeon</i> , 2021, 87, 000313482110540.	0.8	6
33	Does Number of Reported Drug Allergies Affect Patient-Reported Outcomes and Satisfaction following Operative Treatment for Degenerative Lumbar Spine Disease?. <i>Spine Journal</i> , 2015, 15, S94.	1.3	5
34	Evaluation of a Physician Peer-Benchmarking Intervention for Practice Variability and Costs for Endovenous Thermal Ablation. <i>JAMA Network Open</i> , 2021, 4, e2137515.	5.9	5
35	A systematic review of sutureless vascular anastomosis technologies. <i>Seminars in Vascular Surgery</i> , 2021, 34, 247-259.	2.8	4
36	Timing of Operative Intervention in Traumatic Spine Injuries Without Neurological Deficit. <i>Neurosurgery</i> , 2018, 83, 1015-1022.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Factors Associated with Increased Mortality in Severe Abdominopelvic Injury. Shock, 2021, Publish Ahead of Print, .	2.1	3
38	109â€ŒThe Profile of a Smoker and Its Impact on Outcomes After Cervical Spine Surgery. Neurosurgery, 2015, 62, 199-200.	1.1	2
39	Review of the French Working Group on Perioperative Hemostasis, French Study Group on Thrombosis and Hemostasis, and French Society for Anaesthesia and Intensive Care Guidelines on Management of Antiplatelet Therapy for Nonelective Invasive Procedures or Bleeding Complications. JAMA Surgery, 2020, 155, 886.	4.3	2
40	Effect of Obesity on Cost per Quality Adjusted Life Years Gained following Anterior Cervical Discectomy and Fusion in Elective Degenerative Pathology. Spine Journal, 2015, 15, S159-S160.	1.3	1
41	Does Obesity Predict Poor Patient-Reported Outcomes following Lumbar Surgery for Degenerative Conditions?. Spine Journal, 2015, 15, S259-S260.	1.3	1
42	Postoperative antiplatelet and/or anticoagulation use does not impact complication or reintervention rates after vein repair of arterial injury: A PROOVIT study. Vascular, 2022, , 170853812210823.	0.9	1
43	Does Obesity Correlate with Poor Patient-Reported Outcomes following Cervical Surgery for Degenerative Conditions?. Spine Journal, 2015, 15, S228-S229.	1.3	0
44	Patient-Specific Factors Predicting Dissatisfaction after Elective Surgery for Degenerative Spine Diseases. Spine Journal, 2015, 15, S263.	1.3	0
45	Does Depression or Anxiety Affect Patient-Reported Outcomes and Satisfaction following Operative Treatment for Cervical Radiculopathy?. Spine Journal, 2015, 15, S227.	1.3	0
46	Does Depression or Anxiety Affect Patient-Reported Outcomes and Satisfaction Following Operative Treatment for Cervical Myelopathy?. Spine Journal, 2015, 15, S93-S94.	1.3	0
47	A 10-Month-Old Male With a Cough, Fever, and Abnormal Hepatitis Serologies. Clinical Pediatrics, 2017, 56, 593-595.	0.8	0
48	119 Identifying Temporal Patterns in Burn Admissions. Journal of Burn Care and Research, 2022, 43, S77-S78.	0.4	0