

# M Susan Hallbeck

## List of Publications by Year in descending order

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138  
papers

2,623  
citations

186265  
28  
h-index

233421  
45  
g-index

138  
all docs

138  
docs citations

138  
times ranked

2322  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Intraoperative "Micro Breaks" With Targeted Stretching Enhance Surgeon Physical Function and Mental Focus. <i>Annals of Surgery</i> , 2017, 265, 340-346.  | 4.2 | 145       |
| 2  | The impact of intraoperative microbreaks with exercises on surgeons: A multi-center cohort study. <i>Applied Ergonomics</i> , 2017, 60, 334-341.   | 3.1 | 127       |
| 3  | NASA-TLX Assessment of Surgeon Workload Variation Across Specialties. <i>Annals of Surgery</i> , 2020, 271, 686-692.   | 4.2 | 96        |
| 4  | Validation of Inertial Measurement Units for Upper Body Kinematics. <i>Journal of Applied Biomechanics</i> , 2017, 33, 227-232.  | 0.8 | 94        |
| 5  | Surgical never events and contributing human factors. <i>Surgery</i> , 2015, 158, 515-521.   | 1.9 | 87        |
| 6  | Sociotechnical systems analysis in health care: a research agenda. <i>IIE Transactions on Healthcare Systems Engineering</i> , 2011, 1, 145-160.   | 0.8 | 84        |
| 7  | Intraoperative workload in robotic surgery assessed by wearable motion tracking sensors and questionnaires. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 877-886.   | 2.4 | 84        |
| 8  | A Handheld Neutron-Detection Sensor System Utilizing a New Class of Boron Carbide Diode. <i>IEEE Sensors Journal</i> , 2006, 6, 1531-1538.   | 4.7 | 79        |
| 9  | Maximal dynamic grip force and wrist torque: The effects of gender, exertion direction, angular velocity, and wrist angle. <i>Applied Ergonomics</i> , 2006, 37, 737-742.  | 3.1 | 69        |
| 10 | Effect of handle design and target location on insertion and aim with a laparoscopic surgical tool. <i>Applied Ergonomics</i> , 2007, 38, 745-753.   | 3.1 | 64        |
| 11 | The influence of stress responses on surgical performance and outcomes: Literature review and the development of the surgical stress effects (SSE) framework. <i>American Journal of Surgery</i> , 2018, 216, 573-584.                                   | 1.8 | 60        |
| 12 | Crosstalk effect on surface electromyogram of the forearm flexors during a static grip task. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 1223-1229.   | 1.7 | 58        |
| 13 | Human factors in robotic assisted surgery: Lessons from studies "in the Wild". <i>Applied Ergonomics</i> , 2019, 78, 270-276.  | 3.1 | 57        |
| 14 | Measuring Ergonomic Risk in Operating Surgeons by Using Wearable Technology. <i>JAMA Surgery</i> , 2020, 155, 444.   | 4.3 | 56        |
| 15 | Laparoendoscopic single-site (LESS) surgery versus conventional laparoscopic surgery: comparison of surgical port performance in a surgical simulator with novices. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 2210-2218. | 2.4 | 53        |
| 16 | Physical discomfort, professional satisfaction, and burnout in vascular surgeons. <i>Journal of Vascular Surgery</i> , 2019, 70, 913-920.e2.   | 1.1 | 51        |
| 17 | Quantifying Intraoperative Workloads Across the Surgical Team Roles: Room for Better Balance?. <i>World Journal of Surgery</i> , 2016, 40, 1565-1574.  | 1.6 | 50        |
| 18 | Operating hurts: a study of EAES surgeons. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 933-940.  | 2.4 | 49        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Impact of single-incision laparoscopic cholecystectomy (SILC) versus conventional laparoscopic cholecystectomy (CLC) procedures on surgeon stress and workload: a randomized controlled trial. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 1205-1211. | 2.4 | 47        |
| 20 | NASA-Task Load Index Differentiates Surgical Approach. <i>Annals of Surgery</i> , 2020, 271, 906-912.   | 4.2 | 46        |
| 21 | Vascular surgeon wellness and burnout: A report from the Society for Vascular Surgery Wellness Task Force. <i>Journal of Vascular Surgery</i> , 2021, 73, 1841-1850.e3.   | 1.1 | 45        |
| 22 | Improving Medication Management Through the Redesign of the Hospital Code Cart Medication Drawer. <i>Human Factors</i> , 2011, 53, 626-636.   | 3.5 | 38        |
| 23 | Physician, Interrupted: Workflow Interruptions and Patient Care in the Emergency Department. <i>Journal of Emergency Medicine</i> , 2017, 53, 798-804.  | 0.7 | 38        |
| 24 | Work-Related Musculoskeletal Discomfort and Injury in Microsurgeons. <i>Journal of Reconstructive Microsurgery</i> , 2019, 35, 322-328.   | 1.8 | 35        |
| 25 | Impact of novel shift handle laparoscopic tool on wrist ergonomics and task performance. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 3480-3490.   | 2.4 | 34        |
| 26 | Impact of Procedure Type, Case Duration, and Adjunctive Equipment on Surgeon Intraoperative Musculoskeletal Discomfort. <i>Journal of the American College of Surgeons</i> , 2020, 230, 554-560.  | 0.5 | 33        |
| 27 | Contact tracing with a real-time location system: A case study of increasing relative effectiveness in an emergency department. <i>American Journal of Infection Control</i> , 2017, 45, 1308-1311.   | 2.3 | 32        |
| 28 | Intraoperative posture and workload assessment in vascular surgery. <i>Applied Ergonomics</i> , 2021, 92, 103344.   | 3.1 | 32        |
| 29 | Effect of chair types on work-related musculoskeletal discomfort during vaginal surgery. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 648.e1-648.e9.   | 1.3 | 31        |
| 30 | Intraoperative musculoskeletal discomfort and risk for surgeons during open and laparoscopic surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 6335-6343.  | 2.4 | 28        |
| 31 | Intelligent Emergency Department: Validation of Sociometers to Study Workload. <i>Journal of Medical Systems</i> , 2016, 40, 53.  | 3.6 | 26        |
| 32 | Overview of Human Factors and Ergonomics in the OR, with an Emphasis on Minimally Invasive Surgeries. <i>Human Factors and Ergonomics in Manufacturing</i> , 2014, 24, 308-317.   | 2.7 | 25        |
| 33 | Effects of passive exoskeleton support on EMG measures of the neck, shoulder and trunk muscles while holding simulated surgical postures and performing a simulated surgical procedure. <i>Applied Ergonomics</i> , 2022, 100, 103646.  | 3.1 | 25        |
| 34 | Evidence-based intraoperative microbreak activities for reducing musculoskeletal injuries in the operating room. <i>Work</i> , 2018, 60, 649-659.   | 1.1 | 24        |
| 35 | Intraprocedural ergonomics of vascular surgeons. <i>Journal of Vascular Surgery</i> , 2021, 73, 301-308.  | 1.1 | 24        |
| 36 | Physical pain and musculoskeletal discomfort in vascular surgeons. <i>Journal of Vascular Surgery</i> , 2021, 73, 1414-1421.  | 1.1 | 24        |

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|----|---|-----|-----------|
| 37 | Supracutaneous vibrotactile perception threshold at various non-glabrous body loci. <i>Ergonomics</i> , 2008, 51, 920-934.  | 2.1 | 22        |
| 38 | Ergonomic evaluation of laparoendoscopic single-site surgery ports in a validated laparoscopic training model. <i>Work</i> , 2012, 41, 1884-1890.   | 1.1 | 22        |
| 39 | Workload Differentiates Breast Surgical Procedures: NSM Associated with Higher Workload Demand than SSM. <i>Annals of Surgical Oncology</i> , 2020, 27, 1318-1326.  | 1.5 | 22        |
| 40 | The Effect of a Lightweight Massage System in a Car Seat on Comfort and Electromyogram. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2011, 34, 107-113.  | 0.9 | 21        |
| 41 | The effects of distance and height on maximal isometric push and pull strength with reference to manual transmission truck drivers. <i>International Journal of Industrial Ergonomics</i> , 2007, 37, 685-696.            | 2.6 | 20        |
| 42 | Ergonomics of novices and experts during simulated endotracheal intubation. <i>Work</i> , 2012, 41, 4692-4698.  | 1.1 | 20        |
| 43 | Kinematic and ergonomic assessment of laparoendoscopic single-site surgical instruments during simulator training tasks. <i>Applied Ergonomics</i> , 2017, 62, 118-130.   | 3.1 | 20        |
| 44 | Asset management in healthcare: Evaluation of RFID. <i>IIE Transactions on Healthcare Systems Engineering</i> , 2014, 4, 144-155.   | 0.8 | 18        |
| 45 | The effect of assembly tolerance on performance of a tape application task: A pilot study. <i>International Journal of Industrial Ergonomics</i> , 2004, 33, 369-379.   | 2.6 | 17        |
| 46 | A tool for early workstation design for small and medium enterprises evaluated in five cases. <i>Human Factors and Ergonomics in Manufacturing</i> , 2010, 20, 300-315.   | 2.7 | 17        |
| 47 | Impact of patient factors on operative duration during laparoscopic cholecystectomy: evaluation from the National Surgical Quality Improvement Program database. <i>American Journal of Surgery</i> , 2016, 212, 289-296. | 1.8 | 17        |
| 48 | Surgical team workload comparison for 4-port and single-port laparoscopic cholecystectomy procedures. <i>Applied Ergonomics</i> , 2019, 78, 277-285.  | 3.1 | 17        |
| 49 | The use of patient factors to improve the prediction of operative duration using laparoscopic cholecystectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 333-340.                         | 2.4 | 16        |
| 50 | Ergonomic redesign and evaluation of a clamping tool handle. <i>Applied Ergonomics</i> , 2005, 36, 619-624.   | 3.1 | 14        |
| 51 | Ergonomic comparison of laparoscopic hand instruments in a single site surgery simulator with novices. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2015, 24, 68-76.                                       | 1.2 | 14        |
| 52 | Mini Breaks, Many Benefits: Development and Pilot Testing of an Intraoperative Microbreak Stretch Web-Application for Surgeons. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1042-1046.     | 0.3 | 14        |
| 53 | Work-Related Musculoskeletal Discomfort and Injury in Craniofacial and Maxillofacial Surgeons. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 1982-1985.  | 0.7 | 14        |
| 54 | Sitting versus standing makes a difference in musculoskeletal discomfort and postural load for surgeons performing vaginal surgery. <i>International Urogynecology Journal</i> , 2019, 30, 231-237.                       | 1.4 | 14        |

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|----|--|-----|-----------|
| 55 | User-centered evaluation of handle shape and size and input controls for a neutron detector. <i>Applied Ergonomics</i> , 2011, 42, 919-928.  | 3.1 | 13        |
| 56 | Surgeon Workload in Colorectal Surgery: Perceived Drivers of Procedural Difficulty. <i>Journal of Surgical Research</i> , 2020, 245, 57-63.  | 1.6 | 13        |
| 57 | Effect of Visual Feedback on Surgical Performance Using the da Vinci® Surgical System. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2006, 16, 503-508.           | 1.0 | 12        |
| 58 | Ergonomie Hand Tool and Desk and Chair Development Process. <i>International Journal of Occupational Safety and Ergonomics</i> , 2008, 14, 247-252.  | 1.9 | 12        |
| 59 | Comparison of visibility measurement techniques for forklift truck design factors. <i>Applied Ergonomics</i> , 2009, 40, 280-285.  | 3.1 | 12        |
| 60 | Effect of surgical radiation personal protective equipment on EMG-based measures of back and shoulder muscle fatigue: A laboratory study of novices. <i>Applied Ergonomics</i> , 2020, 84, 103029. | 3.1 | 12        |
| 61 | A pilot study of non-routine events in gynecological surgery: Type, impact, and effect. <i>Gynecologic Oncology</i> , 2019, 152, 298-303.  | 1.4 | 11        |
| 62 | Ergonomic Robotic Console Configuration in Gynecologic Surgery: An Interventional Study. <i>Journal of Minimally Invasive Gynecology</i> , 2021, 28, 850-859.                                      | 0.6 | 11        |
| 63 | Intraoperative workload during robotic radical prostatectomy: Comparison between multi-port da Vinci Xi and single port da Vinci SP robots. <i>Applied Ergonomics</i> , 2022, 104, 103826.         | 3.1 | 11        |
| 64 | A comparison of muscular activity during single and double mouse clicks. <i>European Journal of Applied Physiology</i> , 2005, 94, 158-167.  | 2.5 | 10        |
| 65 | Comparative Usability Testing of Conventional and Single Incision Laparoscopic Surgery Devices. <i>Human Factors</i> , 2013, 55, 619-631.  | 3.5 | 10        |
| 66 | Ergonomics and comfort in lawn mower handle positioning: An evaluation of handle geometry. <i>Applied Ergonomics</i> , 2015, 51, 1-8.  | 3.1 | 10        |
| 67 | <i>Surgical Ergonomics</i> . , 2018, , 387-417.  |     | 10        |
| 68 | Human Factors and Ergonomics in the Operating Room: Contributions that Advance Surgical Practice: Preface. <i>Applied Ergonomics</i> , 2019, 78, 248-250.  | 3.1 | 10        |
| 69 | The ergonomics of "Code Blue" medical emergencies: a literature review. <i>IIE Transactions on Healthcare Systems Engineering</i> , 2011, 1, 197-212.  | 0.8 | 8         |
| 70 | Optimizing integration of electrosurgical hand controls within a laparoscopic surgical tool. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2012, 21, 222-233.                        | 1.2 | 8         |
| 71 | Vibration analysis of the sulky accessory for a commercial walk-behind lawn mower to determine operator comfort and health. <i>Ergonomics</i> , 2013, 56, 115-125.                                 | 2.1 | 8         |
| 72 | Mental and Physical Workloads in a Competitive Laparoscopic Skills Training Environment. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 508-512.                       | 0.3 | 8         |

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|----|--|-----|-----------|
| 73 | “The Jackson Table Is a Pain in the Back”: A Qualitative Study of Providers’ Perception Toward a Spinal Surgery Table. <i>Journal of Patient Safety</i> , 2018, 14, 21-26.   | 1.7 | 8         |
| 74 | Attitudes and Behavior of Health Care Workers Before, During, and After Implementation of Real-Time Location System Technology. <i>Mayo Clinic Proceedings Innovations, Quality &amp; Outcomes</i> , 2020, 4, 90-98.                           | 2.4 | 8         |
| 75 | A gender-based analysis of predictors and sequelae of burnout among practicing American vascular surgeons. <i>Journal of Vascular Surgery</i> , 2022, 75, 1422-1430.   | 1.1 | 8         |
| 76 | Effects of Grip Span, Wrist Position, Hand and Gender on Grip Strength. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1994, 38, 554-558.  | 0.3 | 7         |
| 77 | Wearable Sociometers in Chaotic Simulated Environments1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015, 9, .  | 0.7 | 7         |
| 78 | SS12. I Feel Your Pain—A Day in the Life of a Vascular Surgeon: Results of a National Survey. <i>Journal of Vascular Surgery</i> , 2019, 69, e189.   | 1.1 | 7         |
| 79 | Sweating the Little Things: Tourniquet Application Efficacy in Two Models of Pediatric Limb Circumference. <i>Military Medicine</i> , 2019, 184, 361-366.  | 0.8 | 7         |
| 80 | The Effects of Gender, Wrist and Forearm Position on Maximum Isometric Power Grasp Force, Wrist Force, and their Interactions. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1995, 39, 543-547.                             | 0.3 | 6         |
| 81 | Improving Accuracy of Noninvasive Hemoglobin Monitors: A Functional Regression Model for Streaming SpHb Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 759-767.  | 4.2 | 6         |
| 82 | Effects of break scheduling strategies on subjective and objective measures of neck and shoulder muscle fatigue in asymptomatic adults performing a standing task requiring static neck flexion. <i>Applied Ergonomics</i> , 2021, 92, 103311. | 3.1 | 6         |
| 83 | Malpractice allegations against vascular surgeons: Prevalence, risk factors, and impact on surgeon wellness. <i>Journal of Vascular Surgery</i> , 2022, 75, 680-686.   | 1.1 | 6         |
| 84 | Exploring the relationship between neck flexion and neck problems in occupational populations: a systematic review of the literature. <i>Ergonomics</i> , 2022, 65, 587-603.   | 2.1 | 6         |
| 85 | A Comprehensive Methodology for Examining the Impact of Surgical Team Briefings and Debriefings on Teamwork. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 703-707.   | 0.3 | 5         |
| 86 | Assessment of electrosurgical hand controls integrated into a laparoscopic grasper. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2011, 20, 321-328.   | 1.2 | 4         |
| 87 | Modified NASA workload tool identifies physical and cognitive surgeon workload for laparoscopic procedures. <i>Journal of the American College of Surgeons</i> , 2014, 219, e13.   | 0.5 | 4         |
| 88 | Application of sociometer badges in simulated health environments. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 538-542.   | 0.3 | 4         |
| 89 | A Preliminary Study of Novice Workload and Performance During Surgical Simulation Tasks for Conventional vs. Single Incision Laparoscopic Techniques. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 498-502.      | 0.3 | 4         |
| 90 | Validation of a Novel Inverted Peg Transfer Task: Advancing Beyond the Regular Peg Transfer Task for Surgical Simulation-Based Assessment. <i>Journal of Surgical Education</i> , 2018, 75, 836-843.   | 2.5 | 4         |

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|-----|--|-----|-----------|
| 91  | NASA-TLX assessment of workload in resident physicians and faculty surgeons covering trauma, surgical intensive care unit, and emergency general surgery services. American Journal of Surgery, 2021, 222, 1158-1162.  | 1.8 | 4         |
| 92  | Introducing Exoskeletons into the Operating Room: A pilot study with vascular surgeons. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 1376-1380.  | 0.3 | 4         |
| 93  | Can Eliminating Risk Stratification Improve Medical Residents' Adherence to Venous Thromboembolism Prophylaxis?. Academic Medicine, 2011, 86, 1518-1524.   | 1.6 | 3         |
| 94  | Laparoscopic Surgical Team Stress Measures During Randomized Controlled Trials of 4-port vs. Single Incision Cholecystectomies. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 654-657.  | 0.3 | 3         |
| 95  | Developing a subjective instrument for laparoscopic surgical workload in a high fidelity simulator using the NASA-TLX and SURG-TLX. IISE Transactions on Healthcare Systems Engineering, 2021, 11, 161-169.  | 1.7 | 3         |
| 96  | Effect of obesity and clinical factors on pre-incision time: study of operating room workflow. AMIA ... Annual Symposium proceedings, 2014, 2014, 691-9.   | 0.2 | 3         |
| 97  | Procedural and anthropometric factors associated with musculoskeletal injuries among gastroenterology endoscopists. Applied Ergonomics, 2022, 104, 103805.   | 3.1 | 3         |
| 98  | Simulating Visual Impairment to Detect Hospital Wayfinding Difficulties. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 531-535.   | 0.3 | 2         |
| 99  | Evaluation of Instrument Dexterity and Static Resistance of Laparoendoscopic Single-Site (LESS) Surgical Ports. Journal of Medical Devices, Transactions of the ASME, 2012, 6, .   | 0.7 | 2         |
| 100 | Focus group analysis of hand-held radiation detector design. International Journal of Industrial Ergonomics, 2012, 42, 17-24.  | 2.6 | 2         |
| 101 | Effect of canopy shape on physical load when holding an umbrella. Applied Ergonomics, 2013, 44, 142-150.   | 3.1 | 2         |
| 102 | Preliminary Comparison of Laparoendoscopic Single-Site Surgery Instrumentation With Novice Surgical Interns: How Usability Testing Can Reveal Human Factors Issues Prior to Errors in the Operating Room. Journal of Medical Devices, Transactions of the ASME, 2014, 8, . | 0.7 | 2         |
| 103 | First and Immediate Responders: Current Capability Needs and Research Challenges. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 640-641.  | 0.3 | 2         |
| 104 | Ergonomic Education and Training for Surgical Assistant Trainees. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 688-692.  | 0.3 | 2         |
| 105 | Defining Best Practices for Patient Safety in Positioning and Transferring Patients With the Surgical Spine Table. Orthopaedic Nursing, 2020, 39, 7-20.  | 0.4 | 2         |
| 106 | Microsurgical skills training course and impact on trainee confidence and workload. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2022, 75, 2135-2142.   | 1.0 | 2         |
| 107 | Analysis of Aiming with Tools: Proprioception. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 1107-1111.   | 0.3 | 1         |
| 108 | Participatory ergonomics generates new product to assist rural workers in greenhouses. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1282-1285.   | 0.3 | 1         |

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|-----|--|-----|-----------|
| 109 | Novel Electrosurgical Hand Controls Integrated into a Standard Laparoscopic Grasper. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1785-1789.   | 0.3 | 1         |
| 110 | Novice And Expert Muscle Utilization And Wrist Postures During Simulated Endotracheal Intubation - A Pilot Study. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 705-709.                  | 0.3 | 1         |
| 111 | Workload Comparison of Intraoral Mask to Standard Mask Ventilation Using a Cadaver Model. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1728-1732.  | 0.3 | 1         |
| 112 | Comparison of Muscle Exertion and Fatigue Between Standard Bag Valve Mask and NuMask. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 892-896.  | 0.3 | 1         |
| 113 | Human Factors in the Wild. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1057-1060.   | 0.3 | 1         |
| 114 | Hand Instrument Performance in A Single Site Surgery Simulator With Novices. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1522-1526.   | 0.3 | 1         |
| 115 | Team Briefings in the Gynecological Operating Room. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 753-757.  | 0.3 | 1         |
| 116 | Intraoperative exercises during surgery: surgical trainees rating of performance and disruption. Journal of the American College of Surgeons, 2015, 221, e85-e86.  | 0.5 | 1         |
| 117 | Application of Sociometers in the Emergency Department1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .   | 0.7 | 1         |
| 118 | Surgeonsâ€™ Perspectives on User-Designed Prototypes of Microsurgery Armrests. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1047-1051.   | 0.3 | 1         |
| 119 | Structured redesign of a hospital-based code response team using Six Sigma tools and human factors principles to facilitate teamwork. Journal of Interprofessional Education and Practice, 2018, 12, 57-64.    | 0.4 | 1         |
| 120 | Crossover Assessment of Intraoral and Cuffed Ventilation by Emergency Responders. Military Medicine, 2019, 184, 310-317.   | 0.8 | 1         |
| 121 | Response to Comment on â€œNASATLX Assessment of Surgeon Workload Variation Across Specialtiesâ€. Annals of Surgery, 2019, 270, e86-e87.   | 4.2 | 1         |
| 122 | Surgical Specialty and Case Number May Influence Surgeon Workload. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 679-682.   | 0.3 | 1         |
| 123 | Response to Comment on â€œIntraoperative â€˜Micro Breaksâ€™ With Targeted Stretching Enhance Surgeon Physical Function and Mental Focus: a Multicenter Cohort Studyâ€. Annals of Surgery, 2019, 269, e66-e67. | 4.2 | 1         |
| 124 | Comparison of Spinal Profiles While Standing, Supine, Prone, and Seated in Four Chair Types: A Pilot Study. Proceedings of the Human Factors Society Annual Meeting, 1990, 34, 679-683.                        | 0.1 | 0         |
| 125 | Psychophysical Measures of Exertion. Are They Muscle Group Dependent?. Proceedings of the Human Factors and Ergonomics Society, 1995, 39, 694-698.   | 0.3 | 0         |
| 126 | Cognitive Task Analysis for Assessment and Standardization of Central Venous Catheterization (CVC) Procedures. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1611-1615.                   | 0.3 | 0         |



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|-----|--|-----|-----------|
| 127 | Hand Actuation Strength: A Preliminary Evaluation of Physical Demand in a Nontraditional Lawn Mowing Control System. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1932-1936. | 0.3 | 0         |
| 128 | Exploring first responder preferences and opinions about handheld radiation detectors. International Journal of Industrial and Systems Engineering, 2013, 15, 37.                                  | 0.2 | 0         |
| 129 | Preliminary Design of a Minimally Invasive Mitral Valve Heart Retractor. Journal of Medical Devices, Transactions of the ASME, 2013, 7, .  | 0.7 | 0         |
| 130 | <i>Building High Performance Surgical Teams</i>. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 748-752.   | 0.3 | 0         |
| 131 | Comparison of Provider Experience with Two Patient Examination Tables. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 593-597.   | 0.3 | 0         |
| 132 | Tactile Feedback Wearable During a Surgical Simulation Task: Pilot Study Indicates No Distraction, Frustration or Performance Decrement for Users. , 2017, , .                                     |     | 0         |
| 133 | Optimizing Surgical Tools for Single-Site Surgery: A Cadaver-Based Design Study. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1249-1253.                                     | 0.3 | 0         |
| 134 | Characteristics of team briefings in gynecological surgery. Applied Ergonomics, 2019, 78, 263-269.   | 3.1 | 0         |
| 135 | ASO Author Reflections: Poor Ergonomics During Surgical Procedures May Lead to Work-Related Pain and Early Retirement. Annals of Surgical Oncology, 2020, 27, 1327-1328.                           | 1.5 | 0         |
| 136 | Engineering Prone Patient Positioning for Spine Surgery to Reduce Risk of Clinician Injury. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 515-519.                            | 0.3 | 0         |
| 137 | Correlation between workload and teamwork among residents in DIEP Flap surgery. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 1210-1214.                                      | 0.3 | 0         |
| 138 | Paper prototypes for the detection of stereotype violations in (medical) device operation - are they good enough?. Studies in Health Technology and Informatics, 2009, 142, 109-11.                | 0.3 | 0         |