

Cassandra Thiel

List of Publications by Year in descending order

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46
papers

1,857
citations

279798

23
h-index

289244

40
g-index

48
all docs

48
docs citations

48
times ranked

1041
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Impacts of Surgical Procedures: Life Cycle Assessment of Hysterectomy in the United States. <i>Environmental Science & Technology</i> , 2015, 49, 1779-1786.	10.0	223
2	Cataract surgery and environmental sustainability: Waste and lifecycle assessment of phacoemulsification at a private healthcare facility. <i>Journal of Cataract and Refractive Surgery</i> , 2017, 43, 1391-1398.	1.5	145
3	Strategies to Reduce Greenhouse Gas Emissions from Laparoscopic Surgery. <i>American Journal of Public Health</i> , 2018, 108, S158-S164.	2.7	128
4	Sustainable healthcare and environmental life-cycle impacts of disposable supplies: a focus on disposable custom packs. <i>Journal of Cleaner Production</i> , 2015, 94, 46-55.	9.3	123
5	The Green Print: Advancement of Environmental Sustainability in Healthcare. <i>Resources, Conservation and Recycling</i> , 2020, 161, 104882.	10.8	121
6	Transforming The Medical Device Industry: Road Map To A Circular Economy. <i>Health Affairs</i> , 2020, 39, 2088-2097.	5.2	103
7	Life cycle assessment perspectives on delivering an infant in the US. <i>Science of the Total Environment</i> , 2012, 425, 191-198.	8.0	93
8	Reducing Pollution From the Health Care Industry. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1043.	7.4	90
9	A Materials Life Cycle Assessment of a Net-Zero Energy Building. <i>Energies</i> , 2013, 6, 1125-1141.	3.1	83
10	Climate change and global health: A call to more research and more action. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1389-1407.	5.7	60
11	Carbon footprint and cost-effectiveness of cataract surgery. <i>Current Opinion in Ophthalmology</i> , 2016, 27, 82-88.	2.9	55
12	Quantification of the Cost and Potential Environmental Effects of Unused Pharmaceutical Products in Cataract Surgery. <i>JAMA Ophthalmology</i> , 2019, 137, 1156.	2.5	51
13	Minimal Custom Pack Design and Wide-Awake Hand Surgery: Reducing Waste and Spending in the Orthopedic Operating Room. <i>Hand</i> , 2019, 14, 271-276.	1.2	51
14	Survey of cataract surgeons' and nurses' attitudes toward operating room waste. <i>Journal of Cataract and Refractive Surgery</i> , 2020, 46, 933-940.	1.5	46
15	The Environmental Impact of Interventional Radiology: An Evaluation of Greenhouse Gas Emissions from an Academic Interventional Radiology Practice. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 907-915.e3.	0.5	44
16	Life Cycle Greenhouse Gas Emissions of Gastrointestinal Biopsies in a Surgical Pathology Laboratory. <i>American Journal of Clinical Pathology</i> , 2021, 156, 540-549.	0.7	43
17	Dynamic Life Cycle Assessments of a Conventional Green Building and a Net Zero Energy Building: Exploration of Static, Dynamic, Attributional, and Consequential Electricity Grid Models. <i>Environmental Science & Technology</i> , 2018, 52, 11429-11438.	10.0	39
18	Evaluating the Life Cycle Environmental Benefits and Trade-Offs of Water Reuse Systems for Net-Zero Buildings. <i>Environmental Science & Technology</i> , 2017, 51, 1110-1119.	10.0	38

#	ARTICLE	IF	CITATIONS
19	Attitude of US obstetricians and gynaecologists to global warming and medical waste. <i>Journal of Health Services Research and Policy</i> , 2017, 22, 162-167.	1.7	31
20	Do single-use medical devices containing biopolymers reduce the environmental impacts of surgical procedures compared with their plastic equivalents?. <i>Journal of Health Services Research and Policy</i> , 2017, 22, 218-225.	1.7	29
21	Improving productivity, costs and environmental impact in International Eye Health Services: using the "Eyeefficiency"™ cataract surgical services auditing tool to assess the value of cataract surgical services. <i>BMJ Open Ophthalmology</i> , 2021, 6, e000642.	1.6	29
22	Waste generated during glaucoma surgery: A comparison of two global facilities. <i>American Journal of Ophthalmology Case Reports</i> , 2018, 12, 87-90.	0.7	28
23	Building design and performance: A comparative longitudinal assessment of a Children's hospital. <i>Building and Environment</i> , 2014, 78, 130-136.	6.9	26
24	Dumpster Diving in the Emergency Department: Quantity and Characteristics of Waste at a Level I Trauma Center. <i>Western Journal of Emergency Medicine</i> , 2020, 21, 1211-1217.	1.1	23
25	Potential for industrial ecology to support healthcare sustainability: Scoping review of a fragmented literature and conceptual framework for future research. <i>Journal of Industrial Ecology</i> , 2019, 23, 1344-1352.	5.5	22
26	Environmental footprint of regular and intensive inpatient care in a large US hospital. <i>International Journal of Life Cycle Assessment</i> , 2022, 27, 38-49.	4.7	22
27	Integrating Life Cycle Assessment with Green Building and Product Rating Systems: North American Perspective. <i>Procedia Engineering</i> , 2015, 118, 662-669.	1.2	16
28	Transitioning to Environmentally Sustainable, Climate-Smart Radiation Oncology Care. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 915-924.	0.8	15
29	Improving Value in Health Care Through Comprehensive Supply Optimization. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1451.	7.4	14
30	Utilizing off-the-shelf LCA methods to develop a "triple bottom line"™ auditing tool for global cataract surgical services. <i>Resources, Conservation and Recycling</i> , 2020, 158, 104805.	10.8	12
31	Understanding Green Building Design and Healthcare Outcomes: Evidence-Based Design Analysis of an Oncology Unit. <i>Journal of Architectural Engineering</i> , 2016, 22, .	1.6	10
32	Waste generation and carbon emissions of a hospital kitchen in the US: Potential for waste diversion and carbon reductions. <i>PLoS ONE</i> , 2021, 16, e0247616.	2.5	9
33	Environmental emissions reduction of a preoperative evaluation center utilizing telehealth screening and standardized preoperative testing guidelines. <i>Resources, Conservation and Recycling</i> , 2021, 171, 105652.	10.8	9
34	Life Cycle Assessment as a tool for Improving Service Industry Sustainability. <i>IEEE Potentials</i> , 2012, 31, 10-15.	0.3	6
35	Waste audits in healthcare: A systematic review and description of best practices. <i>Waste Management and Research</i> , 2023, 41, 3-17.	3.9	6
36	What a Waste! The Impact of Unused Surgical Supplies in Hand Surgery and How We Can Improve. <i>Hand</i> , 2023, 18, 1215-1221.	1.2	4

#	ARTICLE	IF	CITATIONS
37	Use of Disposable Perioperative Jackets and Surgical Site Infections. JAMA Surgery, 2020, 155, 453.	4.3	2
38	Identifying high-value care for Medicare beneficiaries: a cross-sectional study of acute care hospitals in the USA. BMJ Open, 2022, 12, e053629.	1.9	2
39	Differences in reuse of cataract surgical supplies and pharmaceuticals based on type of surgical facility. Journal of Cataract and Refractive Surgery, 2022, Publish Ahead of Print, .	1.5	2
40	Environmentally sustainable brachytherapy care. Brachytherapy, 2022, , .	0.5	2
41	Carbon and Cataracts: How to Make Your Service Sustainable. , 2021, , 227-240.		1
42	Addressing the climate impacts of healthcare. Journal of Hospital Medicine, 2022, 17, 661-664.	1.4	1
43	Use of Life Cycle Assessment in healthcare: A preliminary Cesarean section case study. , 2011, , .		0
44	Supply Chain Optimization and Waste Reductionâ€™Reply. JAMA - Journal of the American Medical Association, 2020, 323, 573.	7.4	0
45	Severe Acute Respiratory Syndrome Coronavirus Disease 2019: More Safety at the Expense of More Medical Waste. Ophthalmology Glaucoma, 2022, 5, 1-4.	1.9	0
46	All Specialties in Radiology Must Address the Climate Crisis. Radiology, 2022, , 211856.	7.3	0