Farzan Sasangohar

List of Publications by Year in descending order

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130 papers 3,643 citations

430874 18 h-index 53 g-index

146 all docs

146 docs citations

146 times ranked 3997 citing authors

#	Article	IF	CITATIONS
1	Quantifying Workload and Stress in Intensive Care Unit Nurses:ÂPreliminaryÂEvaluation Using ContinuousÂEye-Tracking. Human Factors, 2024, 66, 714-728.	3.5	13
2	Investigating Popular Mental Health Mobile Application Downloads and Activity During the COVID-19 Pandemic. Human Factors, 2023, 65, 50-61.	3. 5	34
3	Understanding Heart Rate Reactions to Post-Traumatic Stress Disorder (PTSD) Among Veterans: A Naturalistic Study. Human Factors, 2022, 64, 173-187.	3.5	6
4	Quantifying Occupational Stress in Intensive Care Unit Nurses: An Applied Naturalistic Study of Correlations Among Stress, Heart Rate, Electrodermal Activity, and Skin Temperature. Human Factors, 2022, 64, 159-172.	3 . 5	8
5	Eliciting Requirements for a Diabetes Self-Management Application for Underserved Populations: A Multi-Stakeholder Analysis. International Journal of Environmental Research and Public Health, 2022, 19, 127.	2.6	7
6	Posttraumatic stress disorder hyperarousal event detection using smartwatch physiological and activity data. PLoS ONE, 2022, 17, e0267749.	2.5	8
7	The Effects of Drowsiness Detection Technology and Education on Nurses' Beliefs and Attitudes toward Drowsy Driving. IISE Transactions on Occupational Ergonomics and Human Factors, 2022, 10, 104-115.	0.8	1
8	Hand tremor-based hypoglycemia detection and prediction in adolescents with type 1 diabetes. Biomedical Signal Processing and Control, 2022, 78, 103869.	5 . 7	3
9	Systematic review of interruptions in the emergency department work environment. International Emergency Nursing, 2022, 63, 101175.	1.5	1
10	Stress for Success: Potential Benefits of Perceived and Actual Stress While Cruising. Journal of Travel Research, 2021, 60, 1787-1801.	9.0	4
11	Veteran-Centered Investigation of Architectural and Space Design Considerations for Post-Traumatic Stress Disorder (PTSD). Herd, 2021, 14, 164-173.	1.5	5
12	A multi-level stakeholder-centered approach to investigate unnecessary readmissions in emergency departments. IISE Transactions on Healthcare Systems Engineering, 2021, 11, 24-37.	1.7	1
13	The Use of Telehealth Technology to Support Health Coaching for Older Adults: Literature Review. JMIR Human Factors, 2021, 8, e23796.	2.0	31
14	Rapid Response to Drive COVID-19 Research in a Learning Health Care System: Rationale and Design of the Houston Methodist COVID-19 Surveillance and Outcomes Registry (CURATOR). JMIR Medical Informatics, 2021, 9, e26773.	2.6	18
15	Improving Psychiatric Care Through Integrated Digital Technologies. Journal of Psychiatric Practice, 2021, 27, 92-100.	0.7	3
16	Investigating the Food and Drug Administration Biotherapeutics Review and Approval Process: Narrative Review. JMIR Formative Research, 2021, 5, e14563.	1.4	0
17	Investigating Heart Rate Patterns During Hyperarousal Events Among Veterans Who Have Posttraumatic Stress Disorder (PTSD). Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2021, 10, 91-91.	0.3	0
18	Atherosclerotic Cardiovascular Disease, Cancer, and Financial Toxicity AmongÂAdults in the United States. JACC: CardioOncology, 2021, 3, 236-246.	4.0	21

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19	The Impact of Commutes, Work Schedules, and Sleep on Near-Crashes during Nurses' Post Shift-Work Commutes: A Naturalistic Driving Study. IISE Transactions on Occupational Ergonomics and Human Factors, 2021, 9, 1-10.	0.8	7
20	Identifying step-level complexity in procedures: Integration of natural language processing into the Complexity Index for Procedures—Step level (CIPS). International Journal of Industrial Ergonomics, 2021, 85, 103184.	2.6	1
21	Current state of worker fatigue assessment and associated recommendations in oil and gas and petrochemical industries. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 1593-1597.	0.3	0
22	Predicting Student Intention to Wear a Mask to Avoid Contracting COVID-19. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 179-183.	0.3	4
23	Evaluation of work-as-done in information management of multidisciplinary incident management teams via Interaction Episode Analysis. Applied Ergonomics, 2020, 84, 103031.	3.1	14
24	Physiological and psychological aspects. , 2020, , 839-846.		1
25	Neural Signatures of Handgrip Fatigue in Type 1 Diabetic Men and Women. Frontiers in Human Neuroscience, 2020, 14, 564969.	2.0	5
26	Worker-centered investigation of issues with procedural systems: Findings from interviews with a representative sample of workers in high-risk process industries. Journal of Loss Prevention in the Process Industries, 2020, 67, 104264.	3.3	5
27	Use of telecritical care for family visitation to ICU during the COVID-19 pandemic: an interview study and sentiment analysis. BMJ Quality and Safety, 2020, 30, bmjqs-2020-011604.	3.7	67
28	Classification of Fatigue Phases in Healthy and Diabetic Adults Using Wearable Sensor. Sensors, 2020, 20, 6897.	3.8	10
29	Ethical Considerations When Using a Mobile Eye Tracker in a Patientâ€Facing Area: Lessons from an Intensive Care Unit Observational Protocol. Ethics & Samp; Human Research, 2020, 42, 2-13.	0.9	4
30	Understanding the scope of downtime threats: A scoping review of downtime-focused literature and news media. Health Informatics Journal, 2020, 26, 2660-2672.	2.1	8
31	Cognition in crisis management teams: an integrative analysis of definitions. Ergonomics, 2020, 63, 1240-1256.	2.1	13
32	Quantifying Accelerometer-Based Tremor Features of Neuromuscular Fatigue in Healthy and Diabetic Adults. IEEE Sensors Journal, 2020, 20, 11183-11190.	4.7	6
33	Provider Burnout and Fatigue During the COVID-19 Pandemic: Lessons Learned From a High-Volume Intensive Care Unit. Anesthesia and Analgesia, 2020, 131, 106-111.	2.2	268
34	Disaster Ergonomics: Human Factors in COVID-19 Pandemic Emergency Management. Human Factors, 2020, 62, 1061-1068.	3 . 5	35
35	Muddling through troubled water: resilient performance of incident management teams during Hurricane Harvey. Ergonomics, 2020, 63, 643-659.	2.1	10
36	Investigating resilience in emergency management: An integrative review of literature. Applied Ergonomics, 2020, 87, 103114.	3.1	43

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37	Night-shift nurses and drowsy driving: A qualitative study. International Journal of Nursing Studies, 2020, 112, 103600.	5.6	18
38	Designing an Emergency Management Simulation Testbed to Investigate Incident Management Team Performance. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1881-1885.	0.3	2
39	Technologies for Opioid Use Disorder Management: Mobile App Search and Scoping Review. JMIR MHealth and UHealth, 2020, 8, e15752.	3.7	28
40	Toward a Taxonomy for Analyzing the Heart Rate as a Physiological Indicator of Posttraumatic Stress Disorder: Systematic Review and Development of a Framework. JMIR Mental Health, 2020, 7, e16654.	3.3	9
41	Rapid Implementation and Innovative Applications of a Virtual Intensive Care Unit During the COVID-19 Pandemic: Case Study. Journal of Medical Internet Research, 2020, 22, e20143.	4.3	41
42	Effects of COVID-19 on College Students' Mental Health in the United States: Interview Survey Study. Journal of Medical Internet Research, 2020, 22, e21279.	4.3	1,441
43	Adapting an Outpatient Psychiatric Clinic to Telehealth During the COVID-19 Pandemic: A Practice Perspective. Journal of Medical Internet Research, 2020, 22, e22523.	4.3	66
44	Investigating Mental Health of US College Students During the COVID-19 Pandemic: Cross-Sectional Survey Study. Journal of Medical Internet Research, 2020, 22, e22817.	4.3	805
45	Diabetes Management Experience and the State of Hypoglycemia: National Online Survey Study. JMIR Diabetes, 2020, 5, e17890.	1.9	8
46	Neuromuscular Fatigue mechanisms in Type 1 diabetic men and women. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 960-961.	0.3	0
47	The Integration of Telemedicine into Clinicians' Workflow: A Scoping Review. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 620-621.	0.3	0
48	The Impacts of Sleep Deprivation on Medical Residents: A Scoping Review of Literature. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1898-1902.	0.3	0
49	Where Two Ends Meet: Operator and Stakeholder Perceptions of Procedures. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1350-1354.	0.3	3
50	Understanding Heart Rate Reactions to Posttraumatic Stress Disorder (PTSD) Among Veterans. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 780-780.	0.3	1
51	Assessing the Development of Operator Trust in Automation: A Longitudinal Study of an Autonomous Campus Shuttle. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1421-1425.	0.3	0
52	Developing a Novel Operator Performance Measure for Procedural Tasks Based on Safety-II Perspective. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1755-1759.	0.3	0
53	Preventing Drowsy Driving Crashes Among Night Shift Nurses: An Evaluation of Educational and Technological Interventions. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1592-1593.	0.3	1
54	Interactive Team Cognition in Incident Action Planning: A Network Approach to Assess Work-As-Done Within and Between Multidisciplinary Crisis Management Teams. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 861-862.	0.3	0

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55	Opportunities and Challenges for Resilient Hospital Incident Management: Case Study of a Hospital's Response to Hurricane Harvey. The Journal of Critical Infrastructure Policy, 2020, 1, 81-104.	0.4	1
56	Resilient performance of emergency department: Patterns, models and strategies. Safety Science, 2019, 120, 362-373.	4.9	16
57	Spectral Analysis of Hand Tremors Induced During a Fatigue Test. , 2019, , .		4
58	The past, present and future of opioid withdrawal assessment: a scoping review of scales and technologies. BMC Medical Informatics and Decision Making, 2019, 19, 113.	3.0	18
59	Investigating Fatigue in Offshore Drilling Workers: A Qualitative Data Analysis of Interviews. IISE Transactions on Occupational Ergonomics and Human Factors, 2019, 7, 31-42.	0.8	6
60	Continuous monitoring and detection of post-traumatic stress disorder (PTSD) triggers among veterans: A supervised machine learning approach. IISE Transactions on Healthcare Systems Engineering, 2019, 9, 201-211.	1.7	33
61	Analyzing Heart Rate as a Physiological Indicator of Post-Traumatic Stress Disorder: A Scoping Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1936-1936.	0.3	3
62	Features of Physiological Tremor in Diabetic Patients. , 2019, , .		3
63	Orchestrating through Whirlwind: Identified Challenges and Resilience Factors of Incident Management Teams during Hurricane Harvey. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 899-903.	0.3	2
64	Towards Harmonizing Safety Databases: An Assessment of Existing Data Sources. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1854-1855.	0.3	0
65	A Systems Approach into Unnecessary Admissions and Readmissions in Emergency Departments. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 782-783.	0.3	1
66	Towards Understanding Liminal Fatigue in Nursing. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1922-1926.	0.3	0
67	Investigating nurses' preference for drowsy driving mitigation technologies. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 723-724.	0.3	1
68	Behavior Change and Persuasion in Mobile Health Interventions: A Critical Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1697-1698.	0.3	0
69	Combining Health Coaching with Telehealth: A Scoping Review. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 16-16.	0.3	0
70	System Modeling of Telebehavioral Health Resource Allocation. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 785-786.	0.3	0
71	Usability Study of the iProvÃ''n BPM-337BT Blood Pressure Monitor and App. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1910-1914.	0.3	0
72	Drowsy Driving Among Shift Work Nurses: A Qualitative Data Analysis. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2019, 8, 167-171.	0.3	1

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73	Investigating Incident Management Teams as Cognitive Systems of Systems via Network Analysis of Real Time Interactions. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1955-1956.	0.3	2
74	Deriving Information Requirements for a Smart Nursing System for Intensive Care Units. Critical Care Nursing Quarterly, 2018, 41, 29-37.	0.8	4
75	System Safety Data Network: Architecture and Blueprint. , 2018, , 531-542.		0
76	Investigating written procedures in process safety: Qualitative data analysis of interviews from high risk facilities. Chemical Engineering Research and Design, 2018, 113, 30-39.	5.6	31
77	Modeling Team Cognition in Emergency Response via Naturalistic Observation of Team Interactions. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1801-1802.	0.3	3
78	Veteran-centered Design of a Post-Traumatic Stress Disorder (PTSD) Tool: Qualitative Analysis of Interviews with Veterans. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 548-549.	0.3	2
79	An Episode as a Trace of Resilient Performance in Large-Scale Incident Management Systems. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 787-787.	0.3	0
80	Investigating Nursing Task Interruptions in Intensive Care Units: A Scoping Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 478-479.	0.3	1
81	Heart Rate Assessment for Posttraumatic Stress Disorder Symptoms among Military Veterans: A Narrative Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1727-1728.	0.3	0
82	A Wearable, Low-cost Hand Tremor Sensor for Detecting Hypoglycemic Events in Diabetic Patients. , 2018, , .		6
83	Non-invasive Wearable System for Hypoglycemia Detection: A Proof of Concept User-Centered Design Process. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1052-1056.	0.3	3
84	Investigating the HbA1c Assessment Methods for a Smart and Connected Diabetes System. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2018, 7, 161-164.	0.3	0
85	NonInvasive Wearable Sensors to detect onset of hypoglycemia: A Literature Review. , 2018, , .		2
86	Stress Detection Techniques in Different Work Domains. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1704-1706.	0.3	2
87	Home Telemonitoring Platforms for Adults with Diabetes Mellitus: A Narrative Review of Literature. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 508-512.	0.3	4
88	Towards a Theoretical Model of Aggregate Fatigue in Nursing. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1679-1683.	0.3	2
89	Design of a Wearable Stress Monitoring Tool for Intensive Care Unit Nursing: Functional Information Requirements Analysis. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1348-1352.	0.3	2
90	Investigating the Food and Drug Administration (FDA) Biotherapeutics Review and Approval Process: A Scoping Review. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 632-633.	0.3	0

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91	Investigating the Efficacy of Using Hand Tremors for Early Detection of Hypoglycemic Events: A Scoping Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1211-1215.	0.3	7
92	Investigating Architectural and Space Design Considerations for Post-Traumatic Stress Disorder (PTSD) Patients. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1722-1726.	0.3	4
93	Modeling an incident management team as a joint cognitive system. Journal of Loss Prevention in the Process Industries, 2018, 56, 231-241.	3.3	16
94	Remote Patient Monitoring and Telemedicine in Neonatal and Pediatric Settings: Scoping Literature Review. Journal of Medical Internet Research, 2018, 20, e295.	4.3	39
95	Effects of Nested Interruptions on Task Resumption: A Laboratory Study With Intensive Care Nurses. Human Factors, 2017, 59, 628-639.	3.5	19
96	PTSD Coach Usability Testing: A Mobile Health App for Post-Traumatic Stress Disorder (PTSD). Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 2-3.	0.3	1
97	Investigating the Effects of Social Media Usage on Sleep Quality. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1327-1330.	0.3	0
98	Redefining and Measuring Resilience in Emergency Management Systems. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1651-1652.	0.3	4
99	Objective Assessment of Functional Information Requirements for Patient Portals. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1788-1792.	0.3	7
100	Investigating the Role of Working Memory Components in Mathematical Cognition in Children: A Scoping Review. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 417-421.	0.3	0
101	Improving the Understanding of Complex Nuclear Accidents: A Network Visualization Accident Modeling Approach. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1658-1658.	0.3	0
102	Measuring Fatigue through Heart Rate Variability and Activity Recognition: A Scoping Literature Review of Machine Learning Techniques. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1748-1752.	0.3	16
103	Stress, Fatigue, and Workload in Intensive Care Nursing: A Scoping Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 686-690.	0.3	10
104	Investigating Written Procedures in Process Safety: Qualitative Data Analysis of Interviews from High Risk Facilities. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1669-1670.	0.3	3
105	Utilizing Heart Rate Variability as an Indicator of Post-Traumatic Stress Disorder (PTSD). Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 249-250.	0.3	0
106	Towards More Resilient Performance of Emergency Department. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 252-253.	0.3	0
107	Usability Assessment of a Post-Traumatic Stress Disorder (PTSD) mHealth App. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1824-1828.	0.3	4
108	Deriving Information Requirements for a Smart Nursing System for Intensive Care Units. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 653-654.	0.3	5

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109	Efficacy of Using Heart Rate Measurements as an Indicator to Monitor Anxiety Disorders: A Scoping Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1783-1787.	0.3	2
110	Human Factors Review of Space Habitat Feature Requirements. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 62-62.	0.3	0
111	Evaluation of Microcontroller Wireless Technology to Enable a Smart Connected Intensive Care Unit (ICU). Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 36-36.	0.3	0
112	Investigating the Location of an Interruption Recovery Tool for Supervisory-Level Command and Control Missions. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 56-57.	0.3	0
113	Passenger-Driver Distinguishing Test for Pokémon Go. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 4-8.	0.3	1
114	Objective Assessment of Patient Portal Requirements. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 1-1.	0.3	2
115	Stress and Fatigue in ICU Nursing. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 209-210.	0.3	0
116	Defining Team Cognition in Emergency Response: A Scoping Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 894-895.	0.3	3
117	Provider Perception of Patient-Initiated Communication for Non-Essential Tasks. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 17-22.	0.3	0
118	Contribution of Technical and Human Factors to " <i>No Fault Found</i> à€€Events. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1679-1679.	0.3	0
119	A Descriptive Model of the Current PTSD Care System: Identifying Opportunities for Improvement. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 251-251.	0.3	4
120	Posttraumatic Stress Disorder and Mobile Health: App Investigation and Scoping Literature Review. JMIR MHealth and UHealth, 2017, 5, e156.	3.7	50
121	The relationship between interruption content and interrupted task severity in intensive care nursing: an observational study. International Journal of Nursing Studies, 2015, 52, 1573-1581.	5.6	17
122	Mitigating nonurgent interruptions during high-severity intensive care unit tasks using a task-severity awareness tool: A quasi-controlled observational study. Journal of Critical Care, 2015, 30, 1150.e1-1150.e6.	2.2	12
123	Supervisory-level interruption recovery in time-critical control tasks. Applied Ergonomics, 2014, 45, 1148-1156.	3.1	16
124	Interruptions experienced by cardiovascular intensive care unit nurses: An observational study. Journal of Critical Care, 2014, 29, 848-853.	2.2	35
125	Multiple Intravenous Infusions Phase 2b: Laboratory Study. Ontario Health Technology Assessment Series, 2014, 14, 1-163.	1.8	5
126	Interruption Management and Recovery in Time-critical Supervisory-level Tasks. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1745-1749.	0.3	8

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127	Not All Interruptions are Created Equal: Positive Interruptions in Healthcare. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 824-828.	0.3	33
128	Mapping Complexity Sources in Nuclear Power Plant Domains. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 2169-2173.	0.3	5
129	Evaluation of Mouse and Touch Input for a Tabletop Display Using Fitts' Reciprocal Tapping Task. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 839-843.	0.3	26
130	ENGINEERS TEACHING ENGINEERING COMMUNICATION: INTEGRATING DISCIPLINARY EXPERTISE INTO THE ENGINEERING COMMUNICATION CURRICULUM. Proceedings of the Canadian Engineering Education Association (CEEA), 0, , .	0.2	1