

Susan M Lord

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

1,474
citations

471509

17
h-index

414414

32
g-index

116
all docs

116
docs citations

116
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-regulation and autonomy in problem- and project-based learning environments. <i>Active Learning in Higher Education</i> , 2013, 14, 109-122.	5.4	147
2	Race, Gender, and Measures of Success in Engineering Education. <i>Journal of Engineering Education</i> , 2011, 100, 225-252.	3.0	125
3	Compassionate Flexibility and Self-Discipline: Student Adaptation to Emergency Remote Teaching in an Integrated Engineering Energy Course during COVID-19. <i>Education Sciences</i> , 2020, 10, 304.	2.6	114
4	WHO'S PERSISTING IN ENGINEERING? A COMPARATIVE ANALYSIS OF FEMALE AND MALE ASIAN, BLACK, HISPANIC, NATIVE AMERICAN, AND WHITE STUDENTS. <i>Journal of Women and Minorities in Science and Engineering</i> , 2009, 15, 167-190.	0.8	106
5	Enabling Effective Engineering Teams: A Program for Teaching Interaction Skills*. <i>Journal of Engineering Education</i> , 1999, 88, 385-390.	3.0	64
6	Beyond pipeline and pathways: Ecosystem metrics. <i>Journal of Engineering Education</i> , 2019, 108, 32-56.	3.0	50
7	Trajectories of Electrical Engineering and Computer Engineering Students by Race and Gender. <i>IEEE Transactions on Education</i> , 2011, 54, 610-618.	2.4	49
8	Molecular beam epitaxy growth of vertical cavity optical devices with insitu corrections. <i>Applied Physics Letters</i> , 1992, 61, 1387-1389.	3.3	46
9	Electroabsorptive modulators in InGaAs/AlGaAs. <i>Applied Physics Letters</i> , 1991, 59, 888-890.	3.3	42
10	Women in Industrial Engineering: Stereotypes, Persistence, and Perspectives. <i>Journal of Engineering Education</i> , 2012, 101, 288-318.	3.0	42
11	Multi-Institution Study of Student Demographics and Outcomes in Electrical and Computer Engineering in the USA. <i>IEEE Transactions on Education</i> , 2015, 58, 141-150.	2.4	32
12	"Microaggressions" in engineering education: Climate for Asian, Latina and White women. , 2011, , .		31
13	GaAs/AlAs quantum wells for electroabsorption modulators. <i>Applied Physics Letters</i> , 1992, 60, 2779-2781.	3.3	29
14	<i>Quebrando Fronteras</i>: Trends Among Latino and Latina Undergraduate Engineers. <i>Journal of Hispanic Higher Education</i> , 2011, 10, 134-146.	1.6	29
15	Student Demographics and Outcomes in Mechanical Engineering in the U.S.. <i>International Journal of Mechanical Engineering Education</i> , 2014, 42, 48-60.	1.0	26
16	Large, low-voltage absorption changes and absorption bistability in GaAs/AlGaAs/InGaAs asymmetric quantum wells. <i>Journal of Applied Physics</i> , 1993, 74, 1972-1978.	2.5	25
17	Intersubband transitions in high indium content InGaAs/AlGaAs quantum wells. <i>Applied Physics Letters</i> , 1993, 63, 364-366.	3.3	25
18	Hydrogen passivation of nonradiative defects in InGaAs/AlxGa1-xAs quantum wells. <i>Journal of Applied Physics</i> , 1993, 73, 740-748.	2.5	22

#	ARTICLE	IF	CITATIONS
19	Engineering matriculation paths: Outcomes of Direct Matriculation, First-Year Engineering, and Post-General Education Models. , 2012, , .		20
20	Curriculum Design in the Middle Years. , 2014, , 181-200.		20
21	An Integrated Approach to Energy Education in Engineering. Sustainability, 2020, 12, 9145.	3.2	19
22	High contrast asymmetric Fabry-Pérot electroabsorption modulator with zero phase change. Applied Physics Letters, 1993, 63, 452-454.	3.3	18
23	Low-voltage, low-chirp, absorptively bistable transmission modulators using type-IIA and type-IIB In _{0.3} Ga _{0.7} As/Al _{0.33} Ga _{0.67} As/ In _{0.15} Ga _{0.85} As asymmetric coupled quantum wells. Journal of Applied Physics, 1993, 74, 6495-6502.	2.5	15
24	Optoelectronics experiments for first-year engineering students. IEEE Transactions on Education, 2001, 44, 16-23.	2.4	15
25	Multioctave High Dynamic Range Up-Conversion Optical-Heterodyned Microwave Photonic Link. IEEE Photonics Technology Letters, 2004, 16, 2332-2334.	2.5	15
26	Student Demographics and Outcomes in Civil Engineering in the United States. Journal of Professional Issues in Engineering Education and Practice, 2015, 141, .	0.9	15
27	1.3 μ m Exciton resonances in InGaAs quantum wells grown by molecular beam epitaxy using a slowly graded buffer layer. Journal of Crystal Growth, 1993, 127, 759-764.	1.5	14
28	Latinos and the exclusionary space of engineering education. Latino Studies, 2013, 11, 103-112.	0.6	14
29	Broadening the Engineering Canon. Journal of Advanced Manufacturing and Processing, 2020, 2, 6.	2.4	14
30	Student demographics and outcomes in Electrical and Mechanical Engineering. , 2013, , .		12
31	1.3 μ m electroabsorption reflection modulators on GaAs. Applied Physics Letters, 1993, 63, 806-808.	3.3	11
32	Introducing “stickiness” as a versatile metric of engineering persistence. , 2012, , .		11
33	Digging deeper: qualitative research methods for eliciting narratives and counter-narratives from student veterans. International Journal of Qualitative Studies in Education, 2019, 32, 1210-1228.	1.2	11
34	Quantum well modulators for optical beam steering applications. IEEE Photonics Technology Letters, 1991, 3, 790-792.	2.5	10
35	Work in progress - engineering students' disciplinary choices: Do race and gender matter?. , 2009, , .		10
36	Latinos and Latinas in the borderlands of education Researching minority populations in engineering. , 2013, , .		9

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37	Enhancement of photoluminescence intensity in InGaAs/Al _x Ga _{1-x} As quantum wells by hydrogenation. Applied Physics Letters, 1992, 60, 2276-2278.	3.3	8
38	Effective teaching practices: Preliminary analysis of engineering educators. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	8
39	Work in progress - the effect of engineering matriculation status on major selection. , 2009, , .		8
40	Proven practices that can reduce stereotype threat in engineering education: A literature review. , 2014, , .		8
41	Student Choice and Persistence in Aerospace Engineering. Journal of Aerospace Information Systems, 2015, 12, 365-373.	1.4	8
42	Electroabsorption modulators operating at 1.3 μ m on GaAs substrates. Optical and Quantum Electronics, 1993, 25, S953-S964.	3.3	7
43	A disciplinary comparison of trajectories of U.S.A. engineering students. , 2014, , .		7
44	The institutional environment for student veterans in engineering. , 2015, , .		7
45	Using Focus Groups to Understand Military Veteran Students'™ Pathways in Engineering Education. , 0, , .		7
46	Choosing an Optimal Pedagogy: A Design Approach. , 2006, , .		6
47	Lifelong Learning Program for engineering students. , 2012, , .		6
48	Is It All about Efficiency? Exploring Students'™ Conceptualizations of Sustainability in an Introductory Energy Course. Sustainability, 2021, 13, 7188.	3.2	6
49	Special session — Attracting and supporting military veterans in engineering programs. , 2011, , .		5
50	â€œNot all those who wander are lost.â€•Examining outcomes for migrating engineering students using ecosystem metrics. , 2018, , .		5
51	Exploring Military Veteran Students'™ Pathways in Engineering Education. , 2015, , 26.730.1.		4
52	Visible wavelength Fabry-Perot reflection modulator using indirect-gap AlGaAs/AlAs. Electronics Letters, 1992, 28, 1170.	1.0	4
53	Using fibre gratings to stabilise laser diode wavelength under modulation for atmospheric lidar transmitters. Electronics Letters, 1996, 32, 561.	1.0	4
54	Workshop Classroom Border Crossings: Incorporating Feminist and Liberative Pedagogies in your CSET Classroom. , 2006, , .		4

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55	Work in progress - effect of climate and pedagogy on persistence of women in engineering programs. , 2008, , .		4
56	Who enrolls in electrical engineering? A quantitative analysis of U.S.A. student trajectories. , 2010, , .		4
57	Climate in undergraduate engineering education from 1995 to 2009. , 2010, , .		4
58	Scenario planning to envision potential futures for engineering education. , 2014, , .		4
59	Micro- and Macroscale Ideas of Current Among Upper-Division Electrical Engineering Students. IEEE Transactions on Education, 2017, 60, 183-190.	2.4	4
60	Have you ever wondered why? Qualitative research methods to investigate engineering education. , 2017, , .		4
61	Special Session: Starting a Dialogue on Decolonization in Engineering Education. , 2019, , .		4
62	Making Engineering Sociotechnical. , 2020, , .		4
63	What Is Engineering and Who Are Engineers? Student Reflections from a Sustainability-Focused Energy Course. Sustainability, 2022, 14, 3499.	3.2	4
64	Measuring propensity for lifelong learning: Comparing Chinese and U.S. engineering students. , 2013, , .		3
65	Special session: Agents for STEM change — Articulating the goals of our community. , 2014, , .		3
66	Innovative faculty cohort hire at the university of San Diego. , 2015, , .		3
67	Transitioning from military service to engineering education. , 2017, , .		3
68	Mission Possible: Blending the social and technical through an innovative biodesign challenge module for a Materials Science class. , 2018, , .		3
69	Transitions of Student Military Veterans into Engineering Education. Social Sciences, 2021, 10, 228.	1.4	3
70	Military Veteran Studentsâ€™ Pathways in Engineering Education (Year 2). , 0, , .		3
71	MIDFIELD: A Resource for Longitudinal Student Record Research. IEEE Transactions on Education, 2022, 65, 245-256.	2.4	3
72	Effect of in situ annealing on highly-mismatched In _{0.75} Ga _{0.25} As on InP grown using molecular beam epitaxy. Journal of Electronic Materials, 1999, 28, 887-893.	2.2	2

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73	Work in progress - role of faculty in promoting lifelong learning. , 2009, , .		2
74	Special session - from active learning to liberative pedagogies: Alternative teaching philosophies in CSET education. , 2009, , .		2
75	Workshop - feminist engineering education: Building a community of practice. , 2009, , .		2
76	Work in progress — Connecting veterans to customized engineering education at the University of San Diego. , 2010, , .		2
77	Cross-cultural active learning: Results from Americans teaching in China. , 2013, , .		2
78	Exploring the intersection of veteran status, age, and engineering study. , 2016, , .		2
79	Engaging with the multiple institution database for investigating engineering longitudinal development (MIDFIELD): A special session. , 2017, , .		2

80

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91	Interactive theatre to engage faculty in difficult dialogues: First implementation. , 2014, , .		1
92	Special session — "Stereotype threat" and my students: What can I do about it?. , 2014, , .		1
93	Special session: Agents for change in engineering & computer science education. , 2015, , .		1
94	Making the Multiple Institution Database for Investigating Engineering Longitudinal Development (MIDFIELD) more accessible to researchers. , 2016, , .		1
95	Design and Evaluation of an Educational Simulation for the P-N Junction Diode. , 2017, , .		1
96	Accessing MIDFIELD: A Workshop for R Beginners. , 2019, , .		1
97	Impactful for whom? Exploring the diversity of learning pathways outside of the classroom for engineering students. , 2020, , .		1
98	Review Unto Others As You Would Have Others Review Unto You. , 2020, , .		1
99	Expanding Access to MIDFIELD: Strategies for Sharing Data Infrastructure for Research. , 2020, , .		1
100	On Track: Seeing Engineering as Sociotechnical using Fitness Trackers. , 2021, , .		1
101	Towards a Community Vision of Integrated Engineering. , 2021, , .		1
102	Is MIDFIELD for me? Exploring the Multiple Institution Database for Investigating Engineering Longitudinal Development. , 2021, , .		1
103	International Students in Undergraduate Electrical and Information Engineering Programs in the USA. , 2022, , .		1
104	Panel Session - Future of FIE: Where are we and where do we want to go?. , 2006, , .		0
105	Promoting understanding in the classroom: Comparison of the Strength Deployment Inventory, Learning Styles Inventory, and Myers-Briggs. , 2008, , .		0
106	Work in progress — Flexibility and career opportunity as motivation for women selecting industrial engineering majors. , 2010, , .		0
107	Work in progress — Sustainability and senior design at the University of San Diego. , 2011, , .		0
108	Special session: Race and the idea of privilege in the engineering classroom. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
109	Exploring Boyer's scholarship of application for submissions to the IEEE transactions on education. , 2013, , .		0
110	Comparing the attitudes towards engineering of honors students and engineering students at a liberal arts university. , 2013, , .		0
111	Special session: Potential futures for engineering education through scenario planning. , 2014, , .		0
112	Cross-cultural active learning: Qualitative results from Americans teaching in China. , 2014, , .		0
113	FIE 2017: Reviewing the past, predicting the future. , 2017, , .		0
114	Special Session: Taking a Deep Dive: Qualitative Methods and Identity. , 2018, , .		0
115	A Critical Reflection on the Challenges of Implementing Culturally Sustaining Pedagogy. , 2021, , .		0
116	Learning Circles for Engineering Educators to Nourish and Heal. , 2021, , .		0