Allison Godwin

List of Publications by Year
in descending order

122 papers	1,301 citations	623188 14 h-index	525886 27 g-index
122 all docs	122 docs citations	122 times ranked	695 citing authors

#	Article	IF	Citations
1	Learning from failure: A systematized review. International Journal of Technology and Design Education, 2022, 32, 1853-1873.	1.7	15
2	Operationalizing and monitoring student support in undergraduate engineering education. Journal of Engineering Education, 2022, 111, 82-110.	1.9	10
3	Engineering students' agency beliefs and career goals to engage in sustainable development: differences between first-year students and seniors. International Journal of Sustainability in Higher Education, 2022, 23, 1580-1603.	1.6	7
4	Senior engineering students in the USA carry misconceptions about climate change: Implications for engineering education. Journal of Cleaner Production, 2022, 345, 131129.	4.6	7
5	Staying or leaving: contributing factors for U.K. engineering students' decisions to pursue careers in engineering industry. European Journal of Engineering Education, 2021, 46, 364-388.	1.5	4
6	Comparing Design Thinking Traits between National Samples of Civil Engineering and Architecture Students. Journal of Civil Engineering Education, 2021, 147, .	0.8	5
7	Connecting Engineering Students' Perceptions of Professional Competencies and Their Leadership Development. Journal of Civil Engineering Education, 2021, 147, .	0.8	7
8	Resilient engineering identity development critical to prolonged engagement of Black women in engineering. Journal of Engineering Education, 2021, 110, 92-113.	1.9	27
9	Engineering students' noncognitive and affective factors: Group differences from cluster analysis. Journal of Engineering Education, 2021, 110, 343-370.	1.9	6
10	Predicting engineering students' desire to address climate change in their careers: an exploratory study using responses from a U.S. National survey. Environmental Education Research, 2021, 27, 1054-1079.	1.6	1
11	New Epistemological Perspectives on Quantitative Methods: An Example Using Topological Data Analysis. Studies in Engineering Education, 2021, 2, 16.	1.3	5
12	Recognizing Differences in Underrepresented Civil Engineering Students' Career Satisfaction Expectations and College Experiences. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	6
13	Civil Engineering Students' Beliefs about Global Warming and Misconceptions about Climate Science. Journal of Civil Engineering Education, 2021, 147, .	0.8	4
14	Holistic Wellbeing and Belonging: Attempting to Untangle Stress and Wellness in Their Impact on Sense of Community in Engineering. International Journal of Community Well-Being, 2021, 4, 549-580.	0.7	5
15	Student-Faculty Interactions to Promote Equity in Engineering. , 2021, , .		0
16	Confidence in Pursuing Engineering: How First-Generation College Students' Subject-Related Role Identities Supports their Major Choice. , 2021, , .		1
17	First in My Family: A Comparison of Subject-Related Role Identities by Parental Level of Education and Gender. , 2021, , .		0
18	Understanding How Family Influences and Support Students' Certainty of Engineering Major. , 2021, , .		1

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19	Development of Global Engineering Competency Scale: Exploratory and Confirmatory Factor Analysis. Journal of Civil Engineering Education, 2020, 146, .	0.8	14
20	Design thinking among firstâ€year and senior engineering students: A crossâ€sectional, national study measuring perceived ability. Journal of Engineering Education, 2020, 109, 72-87.	1.9	31
21	Anyone, but not Everyone: Undergraduate Engineering Studentsâ€™ Claims of Who Can Do Engineering. Engineering Studies, 2020, 12, 82-103.	0.6	18
22	See Me as an Engineer: Understanding the Role of Language and Multiple Role Identities on Engineering Studentsâ€™ Identity Trajectory. , 2020, , .		2
23	Identityâ€<scp>based</scp> motivation: Connections between <scp>firstâ€year</scp> students' engineering role identities and futureâ€time perspectives. Journal of Engineering Education, 2020, 109, 362-383.	1.9	42
24	Exploring First-Year Engineering Studentsâ€™ Innovation Self-Efficacy Beliefs by Gender and Discipline. Journal of Civil Engineering Education, 2020, 146, .	0.8	4
25	Sitting in the Tensions: Challenging Whiteness in Quantitative Research. Studies in Engineering Education, 2020, 1, 78.	1.3	8
26	Exploring tensions of using interpretative phenomenological analysis in a domain with conflicting cultural practices. Qualitative Research in Psychology, 2019, 16, 305-324.	9.4	10
27	Design Experiences, Engineering Identity, and Belongingness in Early Career Electrical and Computer Engineering Students. IEEE Transactions on Education, 2019, 62, 165-172.	2.0	27
28	Who are EEC NSF CAREER awardees?: Educational Backgrounds, Institutional Affiliations, and Public Award Abstracts. , 2019, , .		1
29	Differences Between Science and Engineering Undergraduate Studentsâ€™ Perceived Support: Exploring the Potential of College Profiles. , 2019, , .		1
30	Exploring the Relationship Between Non-Cognitive and Affective (NCA) Factors and First-Year Retention of Undergraduates in Engineering. , 2019, , .		4
31	Building an Effective Advisory Board for Grant Submissions. , 2019, , .		1
32	High school experiences and climate change beliefs of first year college students in the United States. Environmental Education Research, 2019, 25, 925-935.	1.6	26
33	An Early Adaptation of Identity Trajectory to Understand the Identities of Undergraduate Engineering Students. , 2019, , .		3
34	Engineering Disciplinary Interests by Gender and Parental Level of Education. , 2019, , .		2
35	Development of the Engineering Student Integration Instrument: Rethinking Measures of Integration. Journal of Engineering Education, 2018, 107, 30-55.	1.9	15
36	What Are the Beliefs and Misconceptions about Climate Change of Students Pursuing Careers in Civil and Construction Engineering?. , 2018, , .		3

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37	The Effect of Diversity on Feelings of Belongingness for New Engineering Students. , 2018, , .		8
38	SAT Does Not Spell Success: How Non-Cognitive Factors Can Explain Variance in the GPA of Undergraduate Engineering and Computer Science Students. , 2018, , .		10
39	Understanding how First-Generation College Students' Out-of-School Experiences, Physics and STEM Identities Relate to Engineering Possible Selves and Certainty of Career Path. , 2018, , .		11
40	EXPLORING LATINA FIRST-GENERATION COLLEGE STUDENTS' MULTIPLE IDENTITIES, SELF-EFFICACY, AND INSTITUTIONAL INTEGRATION TO INFORM ACHIEVEMENT IN ENGINEERING. Journal of Women and Minorities in Science and Engineering, 2018, 24, 261-290.	0.5	26
41	I Don't FIT the Stereotype, but I see Myself as an Engineer: First-Year Engineering Students' Attitudes and Beliefs about their Engineering Identities. , 2018, , .		2
42	Exploration of Relationships between Conformity to Masculine Social Norms and Demographic Characteristics. , 2018, , .		3
43	Towards Making The Invisible Engineer Visible: A Review of Low-Socioeconomic Students' Barriers Experiencing College STEM Education. , 2018, , .		6
44	Investigating the Intersection of Career Aspirations and Engineering Beliefs in First Year Engineering Students. , 2018, , .		7
45	Instrument Development: Measuring Undergraduate Students' Perceived Support in STEM. , 2018, , .		1
46	Exploring the Sustainability-Related Career Outcome Expectations of Community College Students Interested in Science and Engineering Careers. Community College Journal of Research and Practice, 2018, , 1-16.	0.8	5
47	Engineering Women's Attitudes and Goals in Choosing Disciplines with above and Below Average Female Representation. Social Sciences, 2018, 7, 44.	0.7	9
48	Gendered Interests in Electrical, Computer, and Biomedical Engineering: Intersections With Career Outcome Expectations. IEEE Transactions on Education, 2018, 61, 298-304.	2.0	20
49	STEM Roles: How Students' Ontological Perspectives Facilitate STEM Identities. Journal of Pre-College Engineering Education Research, 2018, 8, .	0.3	15
50	Half of Students Interested in Civil Engineering Do Not Believe in Anthropogenic Climate Change. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, .	0.9	13
51	Pushing and pulling Sara: A case study of the contrasting influences of high school and university experiences on engineering agency, identity, and participation. Journal of Research in Science Teaching, 2017, 54, 439-462.	2.0	58
52	Interest in STEM is contagious for students in biology, chemistry, and physics classes. Science Advances, 2017, 3, e1700046.	4.7	21
53	Hidden in plain sight: Masculine social norms in engineering education. , 2017, , .		17
54	Testing for measurement invariance in engineering identity constructs for first-generation college students. , 2017, , .		2

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55	REPOSITIONING RACE, GENDER, AND ROLE IDENTITY FORMATION FOR BLACK WOMEN IN ENGINEERING. Journal of Women and Minorities in Science and Engineering, 2017, 23, 37-52.	0.5	26
56	A narrative approach to understanding underrepresented students' pathways into engineering. , 2017, , .		2
57	A mixed methods analysis of student experiences in diverse teams. , 2017, , .		1
58	Understanding the pathways of students with normative attitudes in engineering. , 2017, , .		3
59	Social and latent identities that contribute to diverse students' belongingness in engineering. , 2017, , .		3
60	Disciplinary Differences in Out-of-School High School Science Experiences and Influence on Studentsâ€™ Engineering Choices. Journal of Pre-College Engineering Education Research, 2017, 6, .	0.3	7
61	Identity, Critical Agency, and Engineering: An Affective Model for Predicting Engineering as a Career Choice. Journal of Engineering Education, 2016, 105, 312-340.	1.9	286
62	Visualizing systematic literature reviews to identify new areas of research. , 2016, , .		6
63	Career Outcome Expectations Related to Sustainability among Students Intending to Major in Civil Engineering. Journal of Professional Issues in Engineering Education and Practice, 2016, 142, .	0.9	16
64	First in the family: A comparison of first-generation and non-first-generation engineering college students. , 2015, , .		21
65	Stories of Black women in engineering industry &#x2014; Why they leave. , 2015, , .		5
66	The academic performance index: Creating a more robust and less biased measure of student academic performance. , 2015, , .		1
67	Using survey questions to identify and learn more about those who exhibit design thinking traits. Design Studies, 2015, 38, 92-110.	1.9	37
68	Sustainability as a Route to Broadening Participation in Engineering. Journal of Engineering Education, 2014, 103, 137-153.	1.9	70
69	Understanding engineering identity through structural equation modeling. , 2013, , .		55
70	The Development of a Measure of Engineering Identity. , 0, , .		83
71	Board 51: CAREER: Actualizing Latent Diversity: Building Innovation through Engineering Students' Identity Development. , 0, , .		2
72	Do Engineers Beget Engineers? Exploring Connections Between the Engineering-related Career Choices of Students and Their Families. , 0, , .		6

#	Article	IF	Citations
73	A Cross-sectional Study of Engineering Identity During Undergraduate Education. , 0, , .		9
74	Board # 9 : Characterizing Student Identities in Engineering: Attitudinal Profiles of Engineering Majors. , 0, , .		2
75	Unpacking Latent Diversity. , 0, , .		6
76	Using Topological Data Analysis in Social Science Research: Unpacking Decisions and Opportunities for a New Method. , 0, , .		3
77	Work in Progress: An Intersectional Conceptual Framework for Understanding How to Measure Socioeconomic Inequality in Engineering Education. , 0, , .		2
78	Exploring the Early Career Pathways of Degree Holders from Biomedical, Environmental, and Interdisciplinary/Multidisciplinary Engineering. , 0, , .		4
79	Intersectionality of Non-normative Identities in the Cultures of Engineering. , 0, , .		16
80	More Comprehensive and Inclusive Approaches to Demographic Data Collection. , 0, , .		19
81	The Five Iâ€™s: A Framework for Supporting Early Career Faculty. , 0, , .		0
82	Exploring Gender Differences in Studentsâ€™ Sustainability Beliefs in Upper-level Engineering Courses. , 0, , .		2
83	Validity Evidence for the SUCCESS Survey: Measuring Non-Cognitive and Affective Traits of Engineering and Computing Students. , 0, , .		5
84	Examining Beginning Designers' Design Self-regulation Through Linkography. , 0, , .		0
85	Learning in Clusters: Exploring the Association Between Noncognitive and Affective Profiles of Engineering Students and Academic Performance. , 0, , .		0
86	Mindful Methodology: A transparent dialogue on Adapting Interpretative Phenomenological Analysis for Engineering Education Research. , 0, , .		3
87	Board 98: Validity Evidence for the SUCCESS Survey: Measuring Noncognitive and Affective Traits of Engineering and Computing Students (Part II). , 0, , .		2
88	Interpersonal Interactions in Engineering Teams: Findings from a Multi-year Mixed Methods Study at Three Institutions. , 0, , .		1
89	You Either Have It or You Donâ€™t: First Year Engineering Studentsâ€™ Experiences of Belongingness. , 0, , .		0
90	Engineering Allies: The Personalities of Cisgender Engineering Students. , 0, , .		1

#	Article	IF	Citations
91	Forget Diversity, Our Project is Due. , 0, , .		3
92	A Systematized Literature Review of the Experiences of Women in the Engineering Workplace. , 0, , .		1
93	Disciplinary Differences in Engineering Students' Aspirations and Self-Perceptions. , 0, , .		4
94	Board 12: CAREER: Characterizing Latent Diversity Among a National Sample of First-year Engineering Students. , 0, , .		2
95	Board 120: Understanding How First-year Engineering Students Create Effective, Collaborative, and Inclusive Teams. , 0, , .		0
96	Board 51: An Initial Step Toward Measuring First-Generation College Studentsâ€™ Personal Agency: A Scale Validation. , 0, , .		0
97	Physics Identity Promotes Alternative Careers for First-Generation College Students in Engineering. , 0, , .		6
98	Board 90: EAGER: Measuring Student Support in STEM: Insights from Year 2. , 0, , .		0
99	Survey Development to Measure the Gap Between Student Awareness, Literacy, and Action to Address Human-caused Climate Change. , 0, , .		0
100	Living in Two Worlds: Comparing Chemical Engineering Students to Other Engineers and Chemists. , 0, , .		1
101	The Development of Critical Engineering Agency, Identity, and the Impact on Engineering Career Choices. , 0, , .		8
102	WIP: Leaving Engineering: An Examination of the Reasons that Influence Black Women to Depart. , 0, , .		0
103	Work in Progress: A Delphi Study of Skills and Competencies for the Hydrocarbon Industry. , 0, , .		0
104	A Corporate Organizational Model for Scaling Class Size. , 0, , .		1
105	Board 110: EAGER: Student Support in STEM: Developing and Validating a Survey Instrument for Assessing the Magnitude of Institutional Support Provided to Undergraduate Students at a College Level. , 0, , .		0
106	Board 124: Interpersonal Interactions that Foster Inclusion: Building Supports for Diversity in Engineering Teams. , 0, , .		1
107	Board 74: Normative and Non-Normative Engineering Student Experiences in Navigating the Cultures of Engineering. , 0, , .		0
108	Work in Progress: How Traumatic Events Help Shape Social Exclusion in Engineering Teams. , 0, , .		0

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109	Work in Progress: Survey Development of Factors Related to Engineering Graduates' Career Pathways. , 0, , .		0
110	â€œAdversary or Allyâ€ Undergraduate Engineering Studentsâ€™ Perceptions of Faculty. , 0, , .		2
111	A Review of Agentic Frameworks in Engineering Education. , 0, , .		1
112	CAREER: Actualizing Latent Diversity in Undergraduate Engineering Education. , 0, , .		1
113	Civil Engineering Studentsâ€™ Beliefs about the Technical and Social Implications of Global Warming and When Global Warming Will Impact Them Personally and Others. , 0, , .		0
114	Effects of Test Anxiety on Engineering Studentsâ€™ STEM Success. , 0, , .		0
115	Examining the Importance of Noncognitive and Affective (NCA) Factors for Engineering Student Success. , 0, , .		0
116	Expanding Summer Research Programs at an NSF ERC: Innovation, Assessment, and Adaptation. , 0, , .		0
117	Social Dialogue in the Engineering Classroom: The Effect of National Events on the Political and Social Attitudes of First-Year Engineering Students. , 0, , .		0
118	STEM Experiences of Engineering Students From Low-Socioeconomic Neighborhoods. , 0, , .		2
119	Board # 75 : Building Supports for Diversity through Engineering Teams. , 0, , .		0
120	Uncovering Latent Diversity: Steps Towards Understanding 'What Counts' and 'Who Belongs' in Engineering Culture. , 0, , .		4
121	Using Social Network Analysis to Study the Social Structures of Inclusion. , 0, , .		2
122	Developing an Instrument to Understand the Social-Structural Integration of Diverse Students. , 0, , .		0