MÃ-lo D Koretsky

List of Publications by Year
in descending order

44	532	840119 11	713013 21
papers	citations	h-index	g-index

44	44	44	458
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of Student Learning in Experimental Design Using a Virtual Laboratory. IEEE Transactions on Education, 2008, 51, 76-85.	2.0	118
2	Student Perceptions of Learning in the Laboratory: Comparison of Industrially Situated Virtual Laboratories to Capstone Physical Laboratories. Journal of Engineering Education, 2011, 100, 540-573.	1.9	69
3	The Influence of Group Discussion on Studentsâ€™ Responses and Confidence during Peer Instruction. Journal of Chemical Education, 2011, 88, 1477-1484.	1.1	47
4	Feedback on Professional Skills as Enculturation into Communities of Practice. Journal of Engineering Education, 2015, 104, 7-34.	1.9	37
5	Affordances of Virtual and Physical Laboratory Projects for Instructional Design: Impacts on Student Engagement. IEEE Transactions on Education, 2018, 61, 226-233.	2.0	34
6	Gender and Participation in an Engineering Problem-Based Learning Environment. Interdisciplinary Journal of Problem-based Learning, 2018, 12, .	0.2	18
7	Written justifications to multiple-choice concept questions during active learning in class. International Journal of Science Education, 2016, 38, 1747-1765.	1.0	17
8	Cultivating creative thinking in engineering student teams: Can a computerâ€mediated virtual laboratory help?. Journal of Computer Assisted Learning, 2021, 37, 587-601.	3.3	15
9	A simple model for the etching of photoresist with plasmaâ€generated reactants. Journal of Applied Physics, 1992, 72, 5081-5088.	1.1	14
10	The role of pedagogical tools in active learning: a case for sense-making. International Journal of STEM Education, 2018, 5, 18.	2.7	13
11	Effect of Concrete Pore Saturation on Cathodic Protection of Steel-Reinforced Concrete Bridges. Corrosion, 1999, 55, 52-64.	0.5	12
12	Productively engaging student teams in engineering: The interplay between doing and thinking. , 2014, , .		12
13	Productive Disciplinary Engagement in High- and Low-Outcome Student Groups: Observations From Three Collaborative Science Learning Contexts. Research in Science Education, 2021, 51, 159-182.	1.4	11
14	An Expert Solution to Assess an Industrially Situated, Computerâ€Enabled Design Project. Journal of Engineering Education, 2013, 102, 541-576.	1.9	10
15	An interactive virtual laboratory addressing student difficulty in differentiating between chemical reaction kinetics and equilibrium. Computer Applications in Engineering Education, 2020, 28, 105-116.	2.2	10
16	Using social network analysis to develop relational expertise for an instructional change initiative. International Journal of STEM Education, 2019, 6, .	2.7	9
17	Re-flipping in the Remote Classroom: The Surprising Uptake of Video-Recorded Worked Examples. Journal of Chemical Education, 2020, 97, 2754-2759.	1.1	9
18	Querying the Questions: Student Responses and Reasoning in an Active Learning Class. Journal of Engineering Education, 2016, 105, 219-244.	1.9	8

#	Article	IF	Citations
19	Toward professional practice: student learning opportunities through participation in engineering clubs. European Journal of Engineering Education, 2019, 44, 906-922.	1.5	8
20	Surface Kinetics of Polyphenylene Oxide Etching in a CF[sub 4]/O[sub 2]/Ar Downstream Microwave Plasma. Journal of the Electrochemical Society, 2000, 147, 1818.	1.3	6
21	Significance of forms and foci of metacognitive regulation in collaborative science learning of less and more successful outcome groups in diverse contexts. Instructional Science, 2021, 49, 687.	1.1	6
22	Terahertz spectroscopy of Niâ€“Ti alloy thin films. Applied Physics Letters, 2011, 98, 221111.	1.5	5
23	Episodes as a Discourse Analysis Framework to Examine Feedback in an Industrially Situated Virtual Laboratory Project. , 0, , .		5
24	Anomalous etch rates of photoresist with argon dilution of CF4/O2plasma afterglows. Applied Physics Letters, 1991, 59, 1547-1549.	1.5	4
25	Surprises in the Muddy Waters of High-Enrollment Courses. Journal of Chemical Education, 2016, 93, 1830-1838.	1.1	4
26	Shared Resources: Engineering Students' Emerging Group Understanding of Thermodynamic Work. Journal of Engineering Education, 2018, 107, 656-689.	1.9	4
27	Studentsâ€™ Approaches to Studying through a Situative Lens. Studies in Engineering Education, 2020, 1, 38.	1.3	4
28	Representations Of Student Model Development In Virtual Laboratories Based On A Cognitive Apprenticeship Instructional Design. , 0, , .		4
29	The Virtual CVD Learning Platform. , 2006, , .		3
30	Propagation from the start: the spread of a concept-based instructional tool. Educational Technology Research and Development, 2017, 65, 177-202.	2.0	3
31	Aligning classroom assessment with engineering practice: A designâ€based research study of a twoâ€stage exam with authentic assessment. Journal of Engineering Education, 2022, 111, 185.	1.9	3
32	Web-enabled formative feedback and learning resources for enhancing student attitude, achievement, and persistence. , 2014, , .		2
33	Enhancing STEM Education at Oregon State University â€“ Year 1. , 0, , .		2
34	Using Studios as a Strategy to Respond to Increasing Enrollment. , 0, , .		2
35	Enhancement of Photoresist Etch Rates by Argon Metastables in a Plasma Afterglow Reactor. Materials Research Society Symposia Proceedings, 1991, 236, 199.	0.1	1
36	Building dispositions towards models and model-based reasoning in engineering education. , 2014, , .		1

#	Article	IF	Citations
37	Socially enabled actors: the emerging authorship of fixed-term instructional faculty to enact and sustain organizational change. Higher Education Research and Development, 2020, , 1-15.	1.9	1
38	Whatâ€™s Muddy vs. Whatâ€™s Surprising? Comparing Student Reflections about Class. , 0, , .		1
39	Elimination of gate oxide damage during electron cyclotron resonance plasma etching of the tungsten polycide gate structure (WSi/poly-Si). Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2720.	1.6	0
40	Work in progress - How real is student engagement in using virtual laboratories. , 2007, , .		0
41	Development of an option in Nanotechnology: Elements of Student learning. , 2011, , .		0
42	The effect of feedback on modeling in an authentic process development project. , 2012, , .		0
43	Epistemological frames of graduate teaching assistants and instructors in studio-based engineering classes. , 2014, , .		0
44	Development and propagation: A case study of the AIChE concept warehouse. , 2014, , .		0