

Kristen L Murphy

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

886
citations

567281

15
h-index

477307

29
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41
docs citations

41
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of a Representative Sample of Internally Calibrated Mental Effort and Polytomously Scored Data on Representing Cognitive Efficiency. <i>Journal of Chemical Education</i> , 2022, 99, 1326-1335.	2.3	0
2	Assessment Tools in Context: Results from a National Survey of Postsecondary Chemistry Faculty. <i>Journal of Chemical Education</i> , 2022, 99, 2843-2852.	2.3	7
3	Writing the 2019 ACS Exam for Chemical Health and Safety. <i>Journal of Chemical Education</i> , 2021, 98, 7-8.	2.3	2
4	Pedagogies of engagement use in postsecondary chemistry education in the United States: results from a national survey. <i>Chemistry Education Research and Practice</i> , 2021, 22, 30-42.	2.5	15
5	Adapting the Anchoring Concepts Content Map (ACCM) of ACS Exams by Incorporating a Theme: Merging Green Chemistry and Organic Chemistry. <i>Journal of Chemical Education</i> , 2020, 97, 374-382.	2.3	8
6	Remote Interview Methods in Chemical Education Research. <i>Journal of Chemical Education</i> , 2020, 97, 2421-2429.	2.3	9
7	The American Chemical Society Exams Institute Undergraduate Chemistry Anchoring Concepts Content Map V: Analytical Chemistry. <i>Journal of Chemical Education</i> , 2020, 97, 1530-1535.	2.3	13
8	Evaluation of Subset Norm Stability in ACS General Chemistry Exams. <i>Journal of Chemical Education</i> , 2019, 96, 2132-2140.	2.3	0
9	Integrating Scale-Themed Instruction across the General Chemistry Curriculum. <i>Journal of Chemical Education</i> , 2019, 96, 2361-2370.	2.3	4
10	Response Process Validity Studies of the Scale Literacy Skills Test. <i>Journal of Chemical Education</i> , 2019, 96, 1351-1358.	2.3	5
11	Classwide Investigation of Absolute and Relative Scaling Conceptions of Students in Introductory College Chemistry. <i>Journal of Chemical Education</i> , 2019, 96, 1341-1350.	2.3	5
12	Development of a Method for Imputation of Missing Data Using ACS Exams as a Prototype. <i>Journal of Chemical Education</i> , 2019, 96, 1083-1095.	2.3	0
13	Beliefs about learning and enacted instructional practices: An investigation in postsecondary chemistry education. <i>Journal of Research in Science Teaching</i> , 2018, 55, 1111-1133.	3.3	52
14	The ACS Exams Institute Undergraduate Chemistry Anchoring Concepts Content Map IV: Physical Chemistry. <i>Journal of Chemical Education</i> , 2018, 95, 238-241.	2.3	41
15	The ACS Exams Institute Undergraduate Chemistry Anchoring Concepts Content Map III: Inorganic Chemistry. <i>Journal of Chemical Education</i> , 2018, 95, 233-237.	2.3	37
16	Historical Analysis of the Inorganic Chemistry Curriculum Using ACS Examinations as Artifacts. <i>Journal of Chemical Education</i> , 2018, 95, 726-733.	2.3	13
17	Assessment in Postsecondary Chemistry Education: A Comparison of Course Types. <i>Assessment Update</i> , 2018, 30, 1-16.	0.2	2
18	Alignment of ACS Inorganic Chemistry Examination Items to the Anchoring Concepts Content Map. <i>Journal of Chemical Education</i> , 2018, 95, 1468-1476.	2.3	5

#	ARTICLE	IF	CITATIONS
19	Flipped classroom use in chemistry education: results from a survey of postsecondary faculty members. <i>Chemistry Education Research and Practice</i> , 2018, 19, 1307-1318.	2.5	30
20	What We Don't Test: What an Analysis of Unreleased ACS Exam Items Reveals about Content Coverage in General Chemistry Assessments. <i>Journal of Chemical Education</i> , 2017, 94, 418-428.	2.3	15
21	Chasm Crossed? Clicker Use in Postsecondary Chemistry Education. <i>Journal of Chemical Education</i> , 2017, 94, 549-557.	2.3	37
22	Using the ACS Anchoring Concepts Content Map (ACCM) To Aid in the Evaluation and Development of ACS General Chemistry Exam Items. <i>ACS Symposium Series</i> , 2016, , 179-194.	0.5	8
23	Updating the General Chemistry Anchoring Concepts Content Map. <i>Journal of Chemical Education</i> , 2015, 92, 1115-1116.	2.3	92
24	Innovative Uses of Assessments for Teaching and Research. <i>ACS Symposium Series</i> , 2014, , 1-4.	0.5	1
25	Investigation of Absolute and Relative Scaling Conceptions of Students in Introductory College Chemistry Courses. <i>Journal of Chemical Education</i> , 2014, 91, 1526-1537.	2.3	12
26	Valid and Reliable Assessments To Measure Scale Literacy of Students in Introductory College Chemistry Courses. <i>Journal of Chemical Education</i> , 2014, 91, 1538-1545.	2.3	15
27	General Statistical Techniques for Detecting Differential Item Functioning Based on Gender Subgroups: A Comparison of the Mantel-Haenszel Procedure, IRT, and Logistic Regression. <i>ACS Symposium Series</i> , 2014, , 47-64.	0.5	2
28	Polytomous versus Dichotomous Scoring on Multiple-Choice Examinations: Development of a Rubric for Rating Partial Credit. <i>Journal of Chemical Education</i> , 2013, 90, 1310-1315.	2.3	13
29	Adaptation of an Instrument for Measuring the Cognitive Complexity of Organic Chemistry Exam Items. <i>Journal of Chemical Education</i> , 2013, 90, 1290-1295.	2.3	21
30	The ACS Exams Institute Undergraduate Chemistry Anchoring Concepts Content Map II: Organic Chemistry. <i>Journal of Chemical Education</i> , 2013, 90, 1443-1445.	2.3	78
31	Developing a Content Map and Alignment Process for the Undergraduate Curriculum in Chemistry. <i>ACS Symposium Series</i> , 2013, , 79-91.	0.5	8
32	Identifying Differential Performance in General Chemistry: Differential Item Functioning Analysis of ACS General Chemistry Trial Tests. <i>Journal of Chemical Education</i> , 2013, 90, 846-853.	2.3	12
33	Results from a National Needs Assessment Survey: A View of Assessment Efforts within Chemistry Departments. <i>Journal of Chemical Education</i> , 2013, 90, 561-567.	2.3	27
34	Using a Personal Response System To Map Cognitive Efficiency and Gain Insight into a Proposed Learning Progression in Preparatory Chemistry. <i>Journal of Chemical Education</i> , 2012, 89, 1229-1235.	2.3	11
35	The ACS Exams Institute Undergraduate Chemistry Anchoring Concepts Content Map I: General Chemistry. <i>Journal of Chemical Education</i> , 2012, 89, 721-723.	2.3	108
36	Building the ACS Exams Anchoring Concept Content Map for Undergraduate Chemistry. <i>Journal of Chemical Education</i> , 2012, 89, 715-720.	2.3	91

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37	A Valid and Reliable Instrument for Cognitive Complexity Rating Assignment of Chemistry Exam Items. Journal of Chemical Education, 2011, 88, 554-560.	2.3	33
38	Assessing Conceptual and Algorithmic Knowledge in General Chemistry with ACS Exams. Journal of Chemical Education, 2011, 88, 1217-1222.	2.3	33
39	Designing Chemistry Practice Exams for Enhanced Benefits. An Instrument for Comparing Performance and Mental Effort Measures. Journal of Chemical Education, 2009, 86, 827.	2.3	15
40	Crystal and molecular structure of a steroidal spirocyclic lactone, C ₂₉ H ₃₄ O ₄ . Journal of Chemical Crystallography, 2003, 33, 897-902.	1.1	0
41	A Computational Study of the Effectiveness of the Frontier Molecular Orbital Formalism in Predicting Conformational Isomerism in (p-RC ₆ H ₄ NC) ₂ W(dppe) ₂ . Journal of Chemical Information and Computer Sciences, 2001, 41, 50-55.	2.8	6