

Kristen L Murphy

List of Publications by Year in descending order

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papers

886
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567281

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41
all docs

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41
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Updating the General Chemistry Anchoring Concepts Content Map. <i>Journal of Chemical Education</i> , 2015, 92, 1115-1116.	2.3	92
3	Building the ACS Exams Anchoring Concept Content Map for Undergraduate Chemistry. <i>Journal of Chemical Education</i> , 2012, 89, 715-720.	2.3	91
4	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
5	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
6	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
7	Chasm Crossed? Clicker Use in Postsecondary Chemistry Education. <i>Journal of Chemical Education</i> , 2017, 94, 549-557.	2.3	37
8	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
9	A Valid and Reliable Instrument for Cognitive Complexity Rating Assignment of Chemistry Exam Items. <i>Journal of Chemical Education</i> , 2011, 88, 554-560.	2.3	33
10	Assessing Conceptual and Algorithmic Knowledge in General Chemistry with ACS Exams. <i>Journal of Chemical Education</i> , 2011, 88, 1217-1222.	2.3	33
11	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
12	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
13	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
14	Designing Chemistry Practice Exams for Enhanced Benefits. An Instrument for Comparing Performance and Mental Effort Measures. <i>Journal of Chemical Education</i> , 2009, 86, 827.	2.3	15
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	Remote Interview Methods in Chemical Education Research. <i>Journal of Chemical Education</i> , 2020, 97, 2421-2429.	2.3	9
25	Developing a Content Map and Alignment Process for the Undergraduate Curriculum in Chemistry. <i>ACS Symposium Series</i> , 2013, , 79-91.	0.5	8
26	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
27	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
28	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
29	A Computational Study of the Effectiveness of the Frontier Molecular Orbital Formalism in Predicting Conformational Isomerism in (p-RC6H4NC)2W(dppe)2. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 50-55.	2.8	6
30	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
31	Response Process Validity Studies of the Scale Literacy Skills Test. <i>Journal of Chemical Education</i> , 2019, 96, 1351-1358.	2.3	5
32	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
33	Integrating Scale-Themed Instruction across the General Chemistry Curriculum. <i>Journal of Chemical Education</i> , 2019, 96, 2361-2370.	2.3	4
34	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
35	Assessment in Postsecondary Chemistry Education: A Comparison of Course Types. <i>Assessment Update</i> , 2018, 30, 1-16.	0.2	2
36	Writing the 2019 ACS Exam for Chemical Health and Safety. <i>Journal of Chemical Education</i> , 2021, 98, 7-8.	2.3	2

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37	Innovative Uses of Assessments for Teaching and Research. ACS Symposium Series, 2014, , 1-4.	0.5	1
38	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
39	Evaluation of Subset Norm Stability in ACS General Chemistry Exams. Journal of Chemical Education, 2019, 96, 2132-2140.	2.3	0
40	Development of a Method for Imputation of Missing Data Using ACS Exams as a Prototype. Journal of Chemical Education, 2019, 96, 1083-1095.	2.3	0
41	Effect of a Representative Sample of Internally Calibrated Mental Effort and Polytomously Scored Data on Representing Cognitive Efficiency. Journal of Chemical Education, 2022, 99, 1326-1335.	2.3	0