MaryKay Orgill

List of Publications by Year
in descending order

22 papers	789 citations	686830 13 h-index	752256 20 g-index
22 all docs	22 docs citations	22 times ranked	562 citing authors

#	Article	IF	Citations
1	Introduction to Systems Thinking for the Chemistry Education Community. Journal of Chemical Education, 2019, 96, 2720-2729.	1.1	125
2	Analysis of Essential Features of Inquiry Found in Articles Published in <i> The Science Teacher</i>, 1998â€"2007. Journal of Science Teacher Education, 2010, 21, 57-79.	1.4	86
3	Applications of Systems Thinking in STEM Education. Journal of Chemical Education, 2019, 96, 2742-2751.	1.1	86
4	Undergraduate chemistry studentsâ€™ perceptions of and misconceptions about buffers and buffer problems. Chemistry Education Research and Practice, 2008, 9, 131-143.	1.4	61
5	WHAT RESEARCH TELLS US ABOUT USING ANALOGIES TO TEACH CHEMISTRY. Chemistry Education Research and Practice, 2004, 5, 15-32.	1.4	59
6	An analysis of the effectiveness of analogy use in college-level biochemistry textbooks. Journal of Research in Science Teaching, 2006, 43, 1040-1060.	2.0	59
7	Variation theory: A theory of learning and a useful theoretical framework for chemical education research. Chemistry Education Research and Practice, 2013, 14, 9-22.	1.4	52
8	Graphical Tools for Conceptualizing Systems Thinking in Chemistry Education. Journal of Chemical Education, 2019, 96, 2888-2900.	1.1	37
9	Understanding Teachersâ€™ Conceptions of Classroom Inquiry With a Teaching Scenario Survey Instrument. Journal of Science Teacher Education, 2008, 19, 337-354.	1.4	33
10	ChEMIST Table: A Tool for Designing or Modifying Instruction for a Systems Thinking Approach in Chemistry Education. Journal of Chemical Education, 2020, 97, 2114-2129.	1.1	33
11	Brokering at the boundary: A prospective science teacher engages students in inquiry. Science Education, 2006, 90, 522-543.	1.8	32
12	Locks and keys. Biochemistry and Molecular Biology Education, 2007, 35, 244-254.	0.5	31
13	Future Directions for Systems Thinking in Chemistry Education: Putting the Pieces Together. Journal of Chemical Education, 2019, 96, 3000-3005.	1.1	26
14	Biochemistry instructors' perceptions of analogies and their classroom use. Chemistry Education Research and Practice, 2015, 16, 731-746.	1.4	16
15	Variation Theory. , 2012, , 3391-3393.		15
16	What do biochemistry students pay attention to in external representations of protein translation? The case of the Shineâ€"Dalgarno sequence. Chemistry Education Research and Practice, 2015, 16, 714-730.	1.4	10
17	How Effective Is the Use of Analogies in Science Textbooks?. , 2013, , 79-99.		8
18	Relationship between teaching assistantsâ€™ perceptions of student learning challenges and their use of external representations when teaching acidâ€"base titrations in introductory chemistry laboratory courses. Chemistry Education Research and Practice, 2019, 20, 821-836.	1.4	7

#	Article	IF	Citations
19	Toward Equitable Assessment of English Language Learners in General Chemistry: Identifying Supportive Features in Assessment Items. Journal of Chemical Education, 2022, 99, 35-48.	1.1	6
20	Teaching and learning about the interface between chemistry and biology. Chemistry Education Research and Practice, 2015, 16, 711-713.	1.4	3
21	Biochemistry instructorsâ€™ use of intentions for student learning to evaluate and select external representations of protein translation. Chemistry Education Research and Practice, 2019, 20, 787-803.	1.4	2
22	Thoughts on Using Systems Thinking to Develop Chemistry Studentsâ€™ Professional Skills. ACS Symposium Series, 2020, , 81-102.	0.5	2