

Sachel S Villafane

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/207162/publications.pdf>

Version: 2024-02-01

17
papers

481
citations

840585

11
h-index

1058333

14
g-index

17
all docs

17
docs citations

17
times ranked

407
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Certification Exam to Assess Undergraduate Students' Proficiency in Biochemistry and Molecular Biology Core Concepts. CBE Life Sciences Education, 2021, 20, es6.	1.1	1
2	Design and Implementation of a Tool to Assess Students' Understanding of Metabolic Pathways Dynamics and Regulation. CBE Life Sciences Education, 2021, 20, ar35.	1.1	3
3	Testing a reciprocal causation model between anxiety, enjoyment and academic performance in postsecondary organic chemistry. Educational Psychology, 2018, 38, 838-856.	1.2	25
4	Beliefs about learning and enacted instructional practices: An investigation in postsecondary chemistry education. Journal of Research in Science Teaching, 2018, 55, 1111-1133.	2.0	52
5	What We Don't Test: What an Analysis of Unreleased ACS Exam Items Reveals about Content Coverage in General Chemistry Assessments. Journal of Chemical Education, 2017, 94, 418-428.	1.1	15
6	Chasm Crossed? Clicker Use in Postsecondary Chemistry Education. Journal of Chemical Education, 2017, 94, 549-557.	1.1	37
7	Design and testing of an assessment instrument to measure understanding of protein structure and enzyme inhibition in a new context. Biochemistry and Molecular Biology Education, 2016, 44, 179-190.	0.5	6
8	Exploring a measure of science attitude for different groups of students enrolled in introductory college chemistry. Chemistry Education Research and Practice, 2016, 17, 731-742.	1.4	26
9	Self-efficacy and academic performance in first-semester organic chemistry: testing a model of reciprocal causation. Chemistry Education Research and Practice, 2016, 17, 973-984.	1.4	46
10	Probing and improving student's understanding of protein α -helix structure using targeted assessment and classroom interventions in collaboration with a faculty community of practice. Biochemistry and Molecular Biology Education, 2014, 42, 213-223.	0.5	22
11	Exploring diverse students' trends in chemistry self-efficacy throughout a semester of college-level preparatory chemistry. Chemistry Education Research and Practice, 2014, 15, 114-127.	1.4	55
12	College students' attitudes toward chemistry, conceptual knowledge and achievement: structural equation model analysis. Chemistry Education Research and Practice, 2013, 14, 188-200.	1.4	72
13	Probing and improving students' understanding of protein alpha helix structure using targeted assessment and classroom interventions. FASEB Journal, 2012, 26, 616.2.	0.2	0
14	Community-based design and national testing of an assessment tool to measure student understanding of enzyme kinetics in undergraduate biochemistry. FASEB Journal, 2012, 26, 621.1.	0.2	0
15	Uncovering students' incorrect ideas about foundational concepts for biochemistry. Chemistry Education Research and Practice, 2011, 12, 210-218.	1.4	50
16	Development and analysis of an instrument to assess student understanding of foundational concepts before biochemistry coursework*. Biochemistry and Molecular Biology Education, 2011, 39, 102-109.	0.5	62
17	Measuring the effectiveness of online preparation videos and questions in the second semester general chemistry laboratory. Chemistry Education Research and Practice, 0, , .	1.4	9