Deborah G Herrington

List of Publications by Year
in descending order

34 papers	625 citations	567281 15 h-index	610901 24 g-index
34 all docs	34 docs citations	34 times ranked	527 citing authors

#	Article	IF	Citations
1	Adapting Assessment Tasks To Support Three-Dimensional Learning. Journal of Chemical Education, 2018, 95, 207-217.	2.3	74
2	What Defines Effective Chemistry Laboratory Instruction? Teaching Assistant and Student Perspectives. Journal of Chemical Education, 2003, 80, 1197.	2.3	72
3	Probing the Mechanisms of Enantioselective Hydrogenation of Simple Olefins with Chiral Rhodium Catalysts in the Presence of Anions. Chemistry - A European Journal, 2000, 6, 139-150.	3.3	43
4	Evaluating the extent of a large-scale transformation in gateway science courses. Science Advances, 2018, 4, eaau0554.	10.3	42
5	Helping Students to â€œDo Scienceâ€: Characterizing Scientific Practices in General Chemistry Laboratory Curricula. Journal of Chemical Education, 2019, 96, 423-434.	2.3	41
6	Target inquiry: changing chemistry high school teachers' classroom practices and knowledge and beliefs about inquiry instruction. Chemistry Education Research and Practice, 2011, 12, 74-84.	2.5	25
7	Characterizing college science instruction: The Three-Dimensional Learning Observation Protocol. PLoS ONE, 2020, 15, e0234640.	2.5	25
8	Indirect electrochemical carbonylation of aromatic amines with a palladium catalyst. Tetrahedron Letters, 1994, 35, 8761-8764.	1.4	23
9	I Want to be the Inquiry Guy! How Research Experiences for Teachers Change Beliefs, Attitudes, and Values About Teaching Science as Inquiry. Journal of Science Teacher Education, 2016, 27, 183-204.	2.5	21
10	Target Inquiry: Helping Teachers Use a Research Experience To Transform Their Teaching Practices. Journal of Chemical Education, 2012, 89, 442-448.	2.3	20
11	Development and Validation of Scientific Practices Assessment Tasks for the General Chemistry Laboratory. Journal of Chemical Education, 2020, 97, 884-893.	2.3	20
12	No Teacher Is an Island: Bridging the Gap between Teachersâ€™ Professional Practice and Research Findings. Journal of Chemical Education, 2016, 93, 1371-1376.	2.3	18
13	Improving practice with target inquiry: high school chemistry teacher professional development that works. Chemistry Education Research and Practice, 2011, 12, 344-354.	2.5	17
14	Strategies for Teaching Chemistry Online: A Content Analysis of a Chemistry Instruction Online Learning Community during the Time of COVID-19. Journal of Chemical Education, 2020, 97, 2825-2833.	2.3	17
15	Use of Simulations and Screencasts to Increase Student Understanding of Energy Concepts in Bonding. Journal of Chemical Education, 2021, 98, 730-744.	2.3	17
16	Using Interviews in CER Projects: Options, Considerations, and Limitations. ACS Symposium Series, 2014, , 31-59.	0.5	14
17	A Neutral Donor-Acceptor p-Stack: Solid-State Structures of 1 : 1 Pyromellitic Diimide-Dialkoxynaphthalene Cocrystals. Australian Journal of Chemistry, 1997, 50, 271.	0.9	14
18	Studentsâ€™ Independent Use of Screencasts and Simulations to Construct Understanding of Solubility Concepts. Journal of Science Education and Technology, 2017, 26, 359-371.	3.9	13

#	Article	IF	Citations
19	The Impact of Core-Idea Centered Instruction on High School Studentsâ€™ Understanding of Structureâ€“Property Relationships. Journal of Chemical Education, 2019, 96, 1327-1340.	2.3	13
20	Supporting studentsâ€™ conceptual understanding of kinetics using screencasts and simulations outside of the classroom. Chemistry Education Research and Practice, 2019, 20, 685-698.	2.5	13
21	Tool trouble: Challenges with using selfâ€report data to evaluate longâ€term chemistry teacher professional development. Journal of Research in Science Teaching, 2016, 53, 1055-1081.	3.3	11
22	Adapting a Core-Idea Centered Undergraduate General Chemistry Curriculum for Use in High School. Journal of Chemical Education, 2019, 96, 1318-1326.	2.3	11
23	Professional Development Aligned with AP Chemistry Curriculum: Promoting Science Practices and Facilitating Enduring Conceptual Understanding. Journal of Chemical Education, 2014, 91, 1368-1374.	2.3	10
24	<i>Sticky Ions</i>: A Student-Centered Activity Using Magnetic Models to Explore the Dissolving of Ionic Compounds. Journal of Chemical Education, 2014, 91, 860-863.	2.3	10
25	Improving conceptual understanding of gas behavior through the use of screencasts and simulations. International Journal of STEM Education, 2021, 8, .	5.0	9
26	The Heat Is On: An Inquiry-Based Investigation for Specific Heat. Journal of Chemical Education, 2011, 88, 1558-1561.	2.3	8
27	Using Text Messages To Encourage Meaningful Self-Assessment Outside of the Classroom. Journal of Chemical Education, 2018, 95, 2148-2154.	2.3	5
28	Supporting the Growth and Impact of the Chemistry-Education-Research Community. Journal of Chemical Education, 2019, 96, 393-397.	2.3	5
29	ChemSims: using simulations and screencasts to help students develop particle-level understanding of equilibrium in an online environment before and during COVID. Chemistry Education Research and Practice, 2022, 23, 644-661.	2.5	4
30	Kinematics Card Sort Activity: Insight into Studentsâ€™ Thinking. Physics Teacher, 2016, 54, 541-544.	0.3	3
31	Semi-quantitative Characterization of Secondary Science Teachersâ€™ Use of Three-Dimensional Instruction. Journal of Science Teacher Education, 2019, 30, 379-408.	2.5	3
32	3, 2, 1 â€¦ Discovering Newtonâ€™s Laws. Physics Teacher, 2017, 55, 149-151.	0.3	2
33	Formative assessments using text messages to develop studentsâ€™ ability to provide causal reasoning in general chemistry. Canadian Journal of Chemistry, 2020, 98, 15-23.	1.1	2
34	Target Inquiry. Advances in Higher Education and Professional Development Book Series, 0, , 383-416.	0.2	0