

# Deborah G Herrington

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/805315/publications.pdf>

Version: 2024-02-01

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	ChemSims: using simulations and screencasts to help students develop particle-level understanding of equilibrium in an online environment before and during COVID. <i>Chemistry Education Research and Practice</i> , 2022, 23, 644-661.	2.5	4
2	Improving conceptual understanding of gas behavior through the use of screencasts and simulations. <i>International Journal of STEM Education</i> , 2021, 8, .	5.0	9
3	Use of Simulations and Screencasts to Increase Student Understanding of Energy Concepts in Bonding. <i>Journal of Chemical Education</i> , 2021, 98, 730-744.	2.3	17
4	Formative assessments using text messages to develop students'™ ability to provide causal reasoning in general chemistry. <i>Canadian Journal of Chemistry</i> , 2020, 98, 15-23.	1.1	2
5	Strategies for Teaching Chemistry Online: A Content Analysis of a Chemistry Instruction Online Learning Community during the Time of COVID-19. <i>Journal of Chemical Education</i> , 2020, 97, 2825-2833.	2.3	17
6	Characterizing college science instruction: The Three-Dimensional Learning Observation Protocol. <i>PLoS ONE</i> , 2020, 15, e0234640.	2.5	25
7	Development and Validation of Scientific Practices Assessment Tasks for the General Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2020, 97, 884-893.	2.3	20
8	Adapting a Core-Idea Centered Undergraduate General Chemistry Curriculum for Use in High School. <i>Journal of Chemical Education</i> , 2019, 96, 1318-1326.	2.3	11
9	The Impact of Core-Idea Centered Instruction on High School Students'™ Understanding of Structure-Property Relationships. <i>Journal of Chemical Education</i> , 2019, 96, 1327-1340.	2.3	13
10	Supporting students'™ conceptual understanding of kinetics using screencasts and simulations outside of the classroom. <i>Chemistry Education Research and Practice</i> , 2019, 20, 685-698.	2.5	13
11	Semi-quantitative Characterization of Secondary Science Teachers'™ Use of Three-Dimensional Instruction. <i>Journal of Science Teacher Education</i> , 2019, 30, 379-408.	2.5	3
12	Supporting the Growth and Impact of the Chemistry-Education-Research Community. <i>Journal of Chemical Education</i> , 2019, 96, 393-397.	2.3	5
13	Helping Students to "Do Science": Characterizing Scientific Practices in General Chemistry Laboratory Curricula. <i>Journal of Chemical Education</i> , 2019, 96, 423-434.	2.3	41
14	Adapting Assessment Tasks To Support Three-Dimensional Learning. <i>Journal of Chemical Education</i> , 2018, 95, 207-217.	2.3	74
15	Evaluating the extent of a large-scale transformation in gateway science courses. <i>Science Advances</i> , 2018, 4, eaau0554.	10.3	42
16	Using Text Messages To Encourage Meaningful Self-Assessment Outside of the Classroom. <i>Journal of Chemical Education</i> , 2018, 95, 2148-2154.	2.3	5
17	3, 2, 1 - Discovering Newton's™ Laws. <i>Physics Teacher</i> , 2017, 55, 149-151.	0.3	2
18	Students'™ Independent Use of Screencasts and Simulations to Construct Understanding of Solubility Concepts. <i>Journal of Science Education and Technology</i> , 2017, 26, 359-371.	3.9	13

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19	Tool trouble: Challenges with using self-report data to evaluate long-term chemistry teacher professional development. <i>Journal of Research in Science Teaching</i> , 2016, 53, 1055-1081.	3.3	11
20	Kinematics Card Sort Activity: Insight into Students' Thinking. <i>Physics Teacher</i> , 2016, 54, 541-544.	0.3	3
21	No Teacher Is an Island: Bridging the Gap between Teachers' Professional Practice and Research Findings. <i>Journal of Chemical Education</i> , 2016, 93, 1371-1376.	2.3	18
22	I Want to be the Inquiry Guy! How Research Experiences for Teachers Change Beliefs, Attitudes, and Values About Teaching Science as Inquiry. <i>Journal of Science Teacher Education</i> , 2016, 27, 183-204.	2.5	21
23	Using Interviews in CER Projects: Options, Considerations, and Limitations. <i>ACS Symposium Series</i> , 2014, , 31-59.	0.5	14
24	Professional Development Aligned with AP Chemistry Curriculum: Promoting Science Practices and Facilitating Enduring Conceptual Understanding. <i>Journal of Chemical Education</i> , 2014, 91, 1368-1374.	2.3	10
25	<i>Sticky Ions</i>: A Student-Centered Activity Using Magnetic Models to Explore the Dissolving of Ionic Compounds. <i>Journal of Chemical Education</i> , 2014, 91, 860-863.	2.3	10
26	Target Inquiry: Helping Teachers Use a Research Experience To Transform Their Teaching Practices. <i>Journal of Chemical Education</i> , 2012, 89, 442-448.	2.3	20
27	The Heat Is On: An Inquiry-Based Investigation for Specific Heat. <i>Journal of Chemical Education</i> , 2011, 88, 1558-1561.	2.3	8
28	Improving practice with target inquiry: high school chemistry teacher professional development that works. <i>Chemistry Education Research and Practice</i> , 2011, 12, 344-354.	2.5	17
29	Target inquiry: changing chemistry high school teachers' classroom practices and knowledge and beliefs about inquiry instruction. <i>Chemistry Education Research and Practice</i> , 2011, 12, 74-84.	2.5	25
30	What Defines Effective Chemistry Laboratory Instruction? Teaching Assistant and Student Perspectives. <i>Journal of Chemical Education</i> , 2003, 80, 1197.	2.3	72
31	Probing the Mechanisms of Enantioselective Hydrogenation of Simple Olefins with Chiral Rhodium Catalysts in the Presence of Anions. <i>Chemistry - A European Journal</i> , 2000, 6, 139-150.	3.3	43
32	A Neutral Donor-Acceptor p-Stack: Solid-State Structures of 1 : 1 Pyromellitic Diimide-Dialkoxynaphthalene Cocrystals. <i>Australian Journal of Chemistry</i> , 1997, 50, 271.	0.9	14
33	Indirect electrochemical carbonylation of aromatic amines with a palladium catalyst. <i>Tetrahedron Letters</i> , 1994, 35, 8761-8764.	1.4	23
34	Target Inquiry. <i>Advances in Higher Education and Professional Development Book Series</i> , 0, , 383-416.	0.2	0