

# Supplemental Material

*CBE—Life Sciences Education*

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## **Supplemental Materials**

Evaluating the Representation of Community Colleges in Biology Education Research Publications Following a Call to Action.

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**Supplemental Table 1:  
Definitions of Article Type Categories Used in Characterizing CC BER Papers**

<b>Article Type</b>	<b>Definition</b>
Research Articles	Papers that include original data collected by the authors and novel data analysis (CBE-LSE, 2022)
Teaching Tips	Papers that contain new teaching techniques or pedagogical recommendations for practitioners without an assessment of the practices described (Schinske et al., 2017)
Essays	Papers that describe a problem or approach of general interest to the author(s), may include a review of the work of many individuals but do not contain novel data analysis (CBE-LSE, 2022)
Case Studies	Papers that describe new case studies and how to effectively implement them (Schinske et al., 2017)
Review Articles	Papers that summarize current understanding based on previously published studies, but do not contain novel data analysis (Schinske et al., 2017)
Letters to the Editors	Papers that are directly responsive to an article published in the journal and intended to start dialog (CBE-LSE, 2022)
Editorials	Papers that act as position pieces to discuss topics of interest to the community but do not contain novel data analysis (Schinske et al., 2017)

**Supplemental Table 2:  
List of 147 CC BER Papers Published Between 2016-2020 in the Seven Journals Surveyed**

<b>Journal</b>	<b>Year</b>	<b>Article Citation</b>	<b>Number of Authors</b>	<b>Number of Community College-affiliated Authors</b>	<b>Main Article Topic</b>	<b>Article Type</b>
Advances in Physiology Education	2016	McFarland, J., Wenderoth, M. P., Michael, J., Cliff, W., Wright, A., & Modell, H. (2016). A conceptual framework for homeostasis: Development and validation. <i>Advances in Physiology Education</i> , 40(2), 213–222. <a href="https://doi.org/10.1152/advan.00103.2015">https://doi.org/10.1152/advan.00103.2015</a>	6	1	Curricula and Teaching	Essay
Advances in Physiology Education	2016	McFarland, J., & Pape-Lindstrom, P. (2016). The pipeline of physiology courses in community colleges: To university, medical school, and beyond. <i>Advances in Physiology Education</i> , 40(4), 473–476. <a href="https://doi.org/10.1152/advan.00141.2016">https://doi.org/10.1152/advan.00141.2016</a>	2	2	Degrees and Transfer	Research Article
Advances in Physiology Education	2017	Michael, J., Martinkova, P., McFarland, J., Wright, A., Cliff, W., Modell, H., & Wenderoth, M. P. (2017). Validating a conceptual framework for the core concept of “cell-cell communication.” <i>Advances in Physiology Education</i> , 41(2), 260–265. <a href="https://doi.org/10.1152/advan.00100.2016">https://doi.org/10.1152/advan.00100.2016</a>	7	1	Other	Essay
Advances in Physiology Education	2020	Crowther, G. J., Wessels, J., Lesser, L. M., & Breckler, J. L. (2020). Is memorization the name of the game? Undergraduates’ perceptions of the usefulness of physiology songs. <i>Advances in Physiology Education</i> , 44(1), 104–112. <a href="https://doi.org/10.1152/advan.00112.2019">https://doi.org/10.1152/advan.00112.2019</a>	4	1	Degrees and Transfer	Essay
Advances in Physiology Education	2020	Hillyer, J. M., & Gordon, K. A. (2020). Connecting anatomy and physiology concepts in an interdisciplinary high-fidelity patient simulation with undergraduate nursing and allied	2	2	Degrees and Transfer	Research Article

		health students. <i>Advances in Physiology Education</i> , 44(1), 113–118. <a href="https://doi.org/10.1152/advan.00212.2018">https://doi.org/10.1152/advan.00212.2018</a>				
Advances in Physiology Education	2020	Judge, J. L., Cazares, V. A., Thompson, Z., & Skidmore, L. A. (2020). Development of low-cost cardiac and skeletal muscle laboratory activities to teach physiology concepts and the scientific method. <i>Advances in Physiology Education</i> , 44(2), 181–187. <a href="https://doi.org/10.1152/advan.00149.2019">https://doi.org/10.1152/advan.00149.2019</a>	4	1	Curricula and Teaching	Research Article
Advances in Physiology Education	2020	McFarland, J. L., & Michael, J. A. (2020). Reflections on core concepts for undergraduate physiology programs. <i>Advances in Physiology Education</i> , 44(4), 626–631. <a href="https://doi.org/10.1152/advan.00188.2019">https://doi.org/10.1152/advan.00188.2019</a>	2	1	Curricula and Teaching	Essay
Advances in Physiology Education	2020	Rogers, J., McFarland, J. L., Stanescu, C. I., Crosswhite, P. L., & Crecelius, A. R. (2020). The 2019 P-MIG Student Survey report and capturing the undergraduate perspective of physiology programming. <i>Advances in Physiology Education</i> , 44(4), 684–696. <a href="https://doi.org/10.1152/advan.00189.2019">https://doi.org/10.1152/advan.00189.2019</a>	5	1	Degrees and Transfer	Research Article
Advances in Physiology Education	2020	Aguilar-Roca, N., Anderson, L. C., Crecelius, A. R., French, M. B., Johnson, K. M. S., McFarland, J. L., Rogers, J., Stanescu, C. I., & Wehrwein, E. A. (2020). Where do we go from here: A forward-thinking vision for physiology undergraduate education. <i>Advances in Physiology Education</i> , 44(4), 702–705. <a href="https://doi.org/10.1152/advan.00190.2019">https://doi.org/10.1152/advan.00190.2019</a>	9	1	Curricula and Teaching	Essay
Advances in Physiology Education	2020	Michael, J., & McFarland, J. (2020). Another look at the core concepts of physiology: Revisions and resources. <i>Advances in Physiology Education</i> , 44(4), 752–762. <a href="https://doi.org/10.1152/advan.00114.2020">https://doi.org/10.1152/advan.00114.2020</a>	2	1	Curricula and Teaching	Essay
The American Biology Teacher	2016	Wollert, D. A. (2016). Integrating fossils, natural selection & molecular genetics: A structured inquiry-based evolution lab. <i>The American Biology Teacher</i> , 78(2), 155–162. <a href="https://doi.org/10.1525/abt.2016.78.2.155">https://doi.org/10.1525/abt.2016.78.2.155</a>	1	1	Curricula and Teaching	Research Article

The American Biology Teacher	2016	Thoney, T. (2016). Analyzing the vocabulary demands of introductory college textbooks. <i>The American Biology Teacher</i> , 78(5), 389–395. <a href="https://doi.org/10.1525/abt.2016.78.5.389">https://doi.org/10.1525/abt.2016.78.5.389</a>	1	1	Curricula and Teaching	Research Article
The American Biology Teacher	2016	Bryce, C. M., Baliga, V. B., De Nesnera, K. L., Fiack, D., Goetz, K., Tarjan, L. M., Wade, C. E., Yovovich, V., Baumgart, S., Bard, D. G., Ash, D., Parker, I. M., & Gilbert, G. S. (2016). Exploring models in the biology classroom. <i>The American Biology Teacher</i> , 78(1), 35–42. <a href="https://doi.org/10.1525/abt.2016.78.1.35">https://doi.org/10.1525/abt.2016.78.1.35</a>	13	1	Curricula and Teaching	Research Article
The American Biology Teacher	2016	Layton, S., & Belden, J. (2016). Engaging undergraduates in the scientific process: Exploring invertebrate endocrine disruption. <i>The American Biology Teacher</i> , 78(5), 410–416. <a href="https://doi.org/10.1525/abt.2016.78.5.410">https://doi.org/10.1525/abt.2016.78.5.410</a>	2	1	Curricula and Teaching	Research Article
The American Biology Teacher	2016	Goedhart, C. M., & McLaughlin, J. S. (2016). Student scientists: Transforming the undergraduate biology lab into a research experience. <i>The American Biology Teacher</i> , 78(6), 502–508. <a href="https://doi.org/10.1525/abt.2016.78.6.502">https://doi.org/10.1525/abt.2016.78.6.502</a>	2	1	Curricula and Teaching	Research Article
The American Biology Teacher	2016	Suiter, S., Oakley, J., & Goodman, J. (2016). Prevalence of student dissection-choice policies in u. S. Schools. <i>The American Biology Teacher</i> , 78(7), 560–567. <a href="https://doi.org/10.1525/abt.2016.78.7.560">https://doi.org/10.1525/abt.2016.78.7.560</a>	3	1	Curricula and Teaching	Research Article
The American Biology Teacher	2016	Newman, L., Duffus, A. L. J., & Lee, C. (2016). Using the free program mega to build phylogenetic trees from molecular data. <i>The American Biology Teacher</i> , 78(7), 608–612. <a href="https://doi.org/10.1525/abt.2016.78.7.608">https://doi.org/10.1525/abt.2016.78.7.608</a>	3	2	Other	Research Article
The American Biology Teacher	2016	Fisher, M. R. (2016). Wastewater treatment provides for authentic inquiry-based experiences in the lab and beyond. <i>The American Biology Teacher</i> , 78(9), 739–745. <a href="https://doi.org/10.1525/abt.2016.78.9.739">https://doi.org/10.1525/abt.2016.78.9.739</a>	1	1	Curricula and Teaching	Teaching Tip

The American Biology Teacher	2017	Advising biology majors about career choices: Resources & information for biology instructors. (2017). <i>The American Biology Teacher</i> , 79(1), 14–21. <a href="https://doi.org/10.1525/abt.2017.79.1.14">https://doi.org/10.1525/abt.2017.79.1.14</a>	3	1	Degrees and Transfer	Research Article
The American Biology Teacher	2017	Greene, M., Pitts, W., & Dewprashad, B. (2017). Using videography to study the effects of stimulants on daphnia magna. <i>The American Biology Teacher</i> , 79(1), 35–40. <a href="https://doi.org/10.1525/abt.2017.79.1.35">https://doi.org/10.1525/abt.2017.79.1.35</a>	3	3	Curricula and Teaching	Research Article
The American Biology Teacher	2017	Presley, M. L., Gehringer, R., & Hanuscin, D. L. (2017). Using natural selection concept inventories in college biology classrooms to improve teaching and learning. <i>The American Biology Teacher</i> , 79(2), 91–94. <a href="https://doi.org/10.1525/abt.2017.79.2.91">https://doi.org/10.1525/abt.2017.79.2.91</a>	3	1	Curricula and Teaching	Research Article
The American Biology Teacher	2017	Bauer, S. (2017). The impact of the chukwin mini-unit on students' understanding of natural selection. <i>The American Biology Teacher</i> , 79(2), 120–127. <a href="https://doi.org/10.1525/abt.2017.79.2.120">https://doi.org/10.1525/abt.2017.79.2.120</a>	1	1	Curricula and Teaching	Research Article
The American Biology Teacher	2017	Mulligan, E. A. (2017). Building zoob models to help students learn about nucleic acid structure and function. <i>The American Biology Teacher</i> , 79(4), 294–300. <a href="https://doi.org/10.1525/abt.2017.79.4.294">https://doi.org/10.1525/abt.2017.79.4.294</a>	1	1	Curricula and Teaching	Teaching Tip
The American Biology Teacher	2017	Fisher, M. (2017). Letters to the editor. <i>The American Biology Teacher</i> , 79(4), 255–255. <a href="https://doi.org/10.1525/abt.2017.79.4.255a">https://doi.org/10.1525/abt.2017.79.4.255a</a>	1	1	Curricula and Teaching	Letter to Editor
The American Biology Teacher	2017	Fuller, K. (2017). Beyond reflection: Using eportfolios for formative assessment to improve student engagement in non-majors introductory science. <i>The American Biology Teacher</i> , 79(6), 442–449. <a href="https://doi.org/10.1525/abt.2017.79.6.442">https://doi.org/10.1525/abt.2017.79.6.442</a>	1	1	Curricula and Teaching	Research Article
The American Biology Teacher	2017	Aguilera, A., Schreier, J., & Saitow, C. (2017). Using iterative group presentations in an introductory biology course to enhance student engagement and critical thinking.	3	1	Curricula and Teaching	Research Article

		The American Biology Teacher, 79(6), 450–454. <a href="https://doi.org/10.1525/abt.2017.79.6.450">https://doi.org/10.1525/abt.2017.79.6.450</a>				
The American Biology Teacher	2017	Lupton, Q. (2017). Pokémon in the midst: Collecting and using data from within the Pokémon Go Ecosystem to facilitate ecology and Wildlife Biology Education. The American Biology Teacher, 79(7), 592–593. <a href="https://doi.org/10.1525/abt.2017.79.7.592">https://doi.org/10.1525/abt.2017.79.7.592</a>	1	1	Other	Essay
The American Biology Teacher	2017	Bonney, K. M., & Nicholas, L. (2017). The mysterious murder of christa worthington. The American Biology Teacher, 79(9), 702–710. <a href="https://doi.org/10.1525/abt.2017.79.9.702">https://doi.org/10.1525/abt.2017.79.9.702</a>	2	1	Curricula and Teaching	Case Study
The American Biology Teacher	2018	Berchiolli, B., Movahedzadeh, F., & Cherif, A. (2018). Assessing student success in a project-based learning biology course at a Community College. The American Biology Teacher, 80(1), 6–10. <a href="https://doi.org/10.1525/abt.2018.80.1.6">https://doi.org/10.1525/abt.2018.80.1.6</a>	3	2	Curricula and Teaching	Research Article
The American Biology Teacher	2018	Fisher, M. R. (2018). Evaluation of cost savings and perceptions of an open textbook in a community college science course. The American Biology Teacher, 80(6), 410–415. <a href="https://doi.org/10.1525/abt.2018.80.6.410">https://doi.org/10.1525/abt.2018.80.6.410</a>	1	1	Curricula and Teaching	Research Article
The American Biology Teacher	2018	Goetze, J. R., & Rodriguez, M. (2018). A “sweet” activity to teach basic population estimation principles, community diversity assessment, and mathematical reasoning to biology students. The American Biology Teacher, 80(7), 522–528. <a href="https://doi.org/10.1525/abt.2018.80.7.522">https://doi.org/10.1525/abt.2018.80.7.522</a>	2	2	Curricula and Teaching	Teaching Tip
The American Biology Teacher	2018	Williamson, J., & Lee, C. (2018). What’s behind that smile: Using analogies, facial expressions, and special senses to demonstrate the interactions between body systems in anatomy and physiology lab classes. The American Biology Teacher, 80(9), 661–667. <a href="https://doi.org/10.1525/abt.2018.80.9.661">https://doi.org/10.1525/abt.2018.80.9.661</a>	2	2	Curricula and Teaching	Teaching Tip



The American Biology Teacher	2019	Duffus, A. L. J. (2019). An emerging amphibian infection as a model for teaching phylogenetic reconstruction. <i>The American Biology Teacher</i> , 81(1), 32–39. <a href="https://doi.org/10.1525/abt.2019.81.1.32">https://doi.org/10.1525/abt.2019.81.1.32</a>	1	1	Curricula and Teaching	Teaching Tip
The American Biology Teacher	2019	Liang, J., & Zaitsev, I. V. (2019). Chronic fatigue syndrome & other difficulties: Introducing a modern scientific controversy to a biology classroom. <i>The American Biology Teacher</i> , 81(6), 387–394. <a href="https://doi.org/10.1525/abt.2019.81.6.387">https://doi.org/10.1525/abt.2019.81.6.387</a>	2	2	Curricula and Teaching	Case Study
The American Biology Teacher	2019	Karpakakunjaram, V., & Jenkins, K. (2019). “I was told there would be no math involved.” <i>The American Biology Teacher</i> , 81(7), 465–465. <a href="https://doi.org/10.1525/abt.2019.81.7.465">https://doi.org/10.1525/abt.2019.81.7.465</a>	2	1	Curricula and Teaching	Editorial
The American Biology Teacher	2020	Gusky, S. B. (2020). Tackling old issues with new approaches. <i>The American Biology Teacher</i> , 82(1), 1–1. <a href="https://doi.org/10.1525/abt.2020.82.1.1">https://doi.org/10.1525/abt.2020.82.1.1</a>	1	1	Curricula and Teaching	Essay
The American Biology Teacher	2020	Wibking, K. (2020). Gas exchange gamified: Teaching respiration physiology with a novel board game. <i>The American Biology Teacher</i> , 82(3), 175–177. <a href="https://doi.org/10.1525/abt.2020.82.3.175">https://doi.org/10.1525/abt.2020.82.3.175</a>	1	1	Curricula and Teaching	Teaching Tip
The American Biology Teacher	2020	Petersen, J., & Chan, P. (2020). A college–high school collaboration to support authentic microbiology research. <i>The American Biology Teacher</i> , 82(4), 201–208. <a href="https://doi.org/10.1525/abt.2020.82.4.201">https://doi.org/10.1525/abt.2020.82.4.201</a>	2	1	Curricula and Teaching	Research Article
The American Biology Teacher	2020	Quiroz, T., & Tisdale, C. W. (2020). Committed citizens can change the world & help teach citizenship. <i>The American Biology Teacher</i> , 82(5), 277–277. <a href="https://doi.org/10.1525/abt.2020.82.5.277">https://doi.org/10.1525/abt.2020.82.5.277</a>	2	2	Other	Essay
The American Biology Teacher	2020	Wollert, D. (2020). The fascinating & controversial new science of crispr. <i>The American Biology Teacher</i> , 82(5), 279–288. <a href="https://doi.org/10.1525/abt.2020.82.5.279">https://doi.org/10.1525/abt.2020.82.5.279</a>	1	1	Other	Research Article

The American Biology Teacher	2020	Wollert, D. (2020). Wet & dry lab activities to introduce students to crispr-based gene editing. <i>The American Biology Teacher</i> , 82(5), 315–322. <a href="https://doi.org/10.1525/abt.2020.82.5.315">https://doi.org/10.1525/abt.2020.82.5.315</a>	1	1	Curricula and Teaching	Research Article
The American Biology Teacher	2020	Pandemic lessons: Building empathy & community. (2020). <i>The American Biology Teacher</i> , 82(6), 369–369. <a href="https://doi.org/10.1525/abt.2020.82.6.369">https://doi.org/10.1525/abt.2020.82.6.369</a>	1	1	Other	Editorial
The American Biology Teacher	2020	Wolf, A. (2020). A model curriculum for flipping an allied health microbiology course. <i>The American Biology Teacher</i> , 82(9), 633–637. <a href="https://doi.org/10.1525/abt.2020.82.9.633">https://doi.org/10.1525/abt.2020.82.9.633</a>	1	1	Curricula and Teaching	Teaching Tip
Anatomical Sciences Education	2018	Verenna, A. A., Noble, K. A., Pearson, H. E., & Miller, S. M. (2018). Role of comprehension on performance at higher levels of Bloom's taxonomy: Findings from assessments of healthcare professional students. <i>Anatomical sciences education</i> , 11(5), 433–444. <a href="https://doi.org/10.1002/ase.1768">https://doi.org/10.1002/ase.1768</a>	4	1	Curricula and Teaching	Research Article
BioScience	2016	Shortlidge, E. E., Bangera, G., & Brownell, S. E. (2016). Faculty perspectives on developing and teaching course-based undergraduate research experiences. <i>BioScience</i> , 66(1), 54–62. <a href="https://doi.org/10.1093/biosci/biv167">https://doi.org/10.1093/biosci/biv167</a>	3	1	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2016	Kenyon, K. L., Onorato, M. E., Gottesman, A. J., Hoque, J., & Hoskins, S. G. (2016). Testing CREATE at community colleges: An examination of faculty perspectives and diverse student gains. <i>CBE—Life Sciences Education</i> , 15(1), ar8.	5	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2016	Elgin, S. C., Bangera, G., Decatur, S. M., Dolan, E. L., Guertin, L., Newstetter, W. C., ... & Labov, J. B. (2016). Insights from a convocation: integrating discovery-based research into the undergraduate curriculum. <i>CBE—Life Sciences Education</i> , 15(2), fe2.	12	1	Curricula and Teaching	Essay
CBE—Life Sciences Education	2016	Barnes, M. E., & Brownell, S. E. (2016). Practices and perspectives of college instructors on addressing religious	2	0	Curricula and Teaching	Research Article

		beliefs when teaching evolution. <i>CBE—Life Sciences Education</i> , 15(2), ar18.				
CBE—Life Sciences Education	2016	Schinske, J. N., Perkins, H., Snyder, A., & Wyer, M. (2016). Scientist spotlight homework assignments shift students' stereotypes of scientists and enhance science identity in a diverse introductory science class. <i>CBE—Life Sciences Education</i> , 15(3), ar47.	4	2	Equity and Diversity	Research Article
CBE—Life Sciences Education	2016	Morales, D. X., Grineski, S. E., & Collins, T. W. (2016). Influences on faculty willingness to mentor undergraduate students from another university as part of an interinstitutional research training program. <i>CBE—Life Sciences Education</i> , 15(3), ar35.	3	0	Equity and Diversity	Research Article
CBE—Life Sciences Education	2016	Prunuske, A., Wilson, J., Walls, M., Marrin, H., & Clarke, B. (2016). Efforts at broadening participation in the sciences: An examination of the mentoring experiences of students from underrepresented groups. <i>CBE—Life Sciences Education</i> , 15(3), ar26.	5	0	Equity and Diversity	Research Article
CBE—Life Sciences Education	2016	Remich, R., Naffziger-Hirsch, M. E., Gazley, J. L., & McGee, R. (2016). Scientific growth and identity development during a postbaccalaureate program: Results from a multisite qualitative study. <i>CBE—Life Sciences Education</i> , 15(3), ar25.	4	1	Degrees and Transfer	Research Article
CBE—Life Sciences Education	2016	Varty, A. K. (2016). Options for online undergraduate courses in biology at American colleges and universities. <i>CBE—Life Sciences Education</i> , 15(4), ar58.	1	1	Degrees and Transfer	Research Article
CBE—Life Sciences Education	2016	Beck, C. W., & Blumer, L. S. (2016). Alternative realities: Faculty and student perceptions of instructional practices in laboratory courses. <i>CBE—Life Sciences Education</i> , 15(4), ar52.	2	0	Curricula and Teaching	Research Article

CBE—Life Sciences Education	2016	Brancaccio-Taras, L., Pape-Lindstrom, P., Peteroy-Kelly, M., Aguirre, K., Awong-Taylor, J., Balsler, T., ... & Zhao, J. (2016). The PULSE Vision & Change Rubrics, Version 1.0: A valid and equitable tool to measure transformation of life sciences departments at all institution types. <i>CBE—Life Sciences Education</i> , 15(4), ar60.	16	2	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2016	Brickman, P., Gormally, C., & Martella, A. M. (2016). Making the grade: Using instructional feedback and evaluation to inspire evidence-based teaching. <i>CBE—Life Sciences Education</i> , 15(4), ar75.	3	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2017	Bissonnette, S. A., Combs, E. D., Nagami, P. H., Byers, V., Fernandez, J., Le, D., ... & Tanner, K. D. (2017). Using the biology card sorting task to measure changes in conceptual expertise during postsecondary biology education. <i>CBE—Life Sciences Education</i> , 16(1), ar14.	10	1	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2017	Schinske, J. N., Balke, V. L., Bangera, M. G., Bonney, K. M., Brownell, S. E., Carter, R. S., ... & Corwin, L. A. (2017). Broadening participation in biology education research: Engaging community college students and faculty.	23	13	Equity and Diversity	Research Article
CBE—Life Sciences Education	2017	Ballen, C. J., Blum, J. E., Brownell, S., Hebert, S., Hewlett, J., Klein, J. R., ... & Cotner, S. (2017). A call to develop course-based undergraduate research experiences (CUREs) for nonmajors courses.	12	1	Equity and Diversity	Essay
CBE—Life Sciences Education	2017	Martinková, P., Drabinová, A., Liaw, Y. L., Sanders, E. A., McFarland, J. L., & Price, R. M. (2017). Checking equity: Why differential item functioning analysis should be a routine part of developing conceptual assessments. <i>CBE—Life Sciences Education</i> , 16(2), rm2.	6	1	Equity and Diversity	Research Article
CBE—Life Sciences Education	2017	McFarland, J. L., Price, R. M., Wenderoth, M. P., Martinková, P., Cliff, W., Michael, J., ... & Wright, A. (2017). Development and validation of the homeostasis	8	1	Curricula and Teaching	Research Article

		concept inventory. <i>CBE—Life Sciences Education</i> , 16(2), ar35.				
CBE—Life Sciences Education	2017	Andrews, S. E., Runyon, C., & Aikens, M. L. (2017). The math–biology values instrument: Development of a tool to measure life science majors’ task values of using math in the context of biology. <i>CBE—Life Sciences Education</i> , 16(3), ar45.	3	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2017	Ashley, M., Cooper, K. M., Cala, J. M., & Brownell, S. E. (2017). Building better bridges into STEM: A synthesis of 25 years of literature on STEM summer bridge programs. <i>CBE—Life Sciences Education</i> , 16(4), es3.	4	0	Curricula and Teaching	Review
CBE—Life Sciences Education	2018	Schnoes, A. M., Caliendo, A., Morand, J., Dillinger, T., Naffziger-Hirsch, M., Moses, B., ... & O’Brien, T. C. (2018). Internship experiences contribute to confident career decision making for doctoral students in the life sciences. <i>CBE—Life Sciences Education</i> , 17(1), ar16.	11	1	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2018	Pape-Lindstrom, P., Eddy, S., & Freeman, S. (2018). Reading quizzes improve exam scores for community college students. <i>CBE—Life Sciences Education</i> , 17(2), ar21.	3	1	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2018	Corwin, L. A., Runyon, C. R., Ghanem, E., Sandy, M., Clark, G., Palmer, G. C., ... & Dolan, E. L. (2018). Effects of discovery, iteration, and collaboration in laboratory courses on undergraduates’ research career intentions fully mediated by student ownership. <i>CBE—Life Sciences Education</i> , 17(2), ar20.	9	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2018	Summers, M. M., Couch, B. A., Knight, J. K., Brownell, S. E., Crowe, A. J., Semsar, K., ... & Smith, M. K. (2018). EcoEvo-MAPS: An ecology and evolution assessment for introductory through advanced undergraduates. <i>CBE—Life Sciences Education</i> , 17(2), ar18.	8	0	Curricula and Teaching	Research Article

CBE—Life Sciences Education	2018	Martinez, L. R., Boucaud, D. W., Casadevall, A., & August, A. (2018). Factors contributing to the success of NIH-designated underrepresented minorities in academic and nonacademic research positions. <i>CBE—Life Sciences Education</i> , 17(2), ar32.	4	0	Equity and Diversity	Research Article
CBE—Life Sciences Education	2018	Hewlett, J. A. (2018). Broadening participation in undergraduate research experiences (UREs): The expanding role of the community college. <i>CBE—Life Sciences Education</i> , 17(3), es9.	1	1	Equity and Diversity	Essay
CBE—Life Sciences Education	2018	Thompson, C., Sanchez, J., Smith, M., Costello, J., Madabushi, A., Schuh-Nuhfer, N., ... & Rivers, D. (2018). Improving undergraduate life science education for the biosciences workforce: overcoming the disconnect between educators and industry. <i>CBE—Life Sciences Education</i> , 17(3), es12.	11	3	Degrees and Transfer	Research Article
CBE—Life Sciences Education	2018	Kerr, J. Q., Hess, D. J., Smith, C. M., & Hadfield, M. G. (2018). Recognizing and reducing barriers to science and math education and STEM careers for Native Hawaiians and Pacific Islanders. <i>CBE—Life Sciences Education</i> , 17(4), mr1.	4	2	Equity and Diversity	Essay
CBE—Life Sciences Education	2018	Hanauer, D. I., Nicholes, J., Liao, F. Y., Beasley, A., & Henter, H. (2018). Short-term research experience (SRE) in the traditional lab: Qualitative and quantitative data on outcomes. <i>CBE—Life Sciences Education</i> , 17(4), ar64.	5	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2018	Hester, S. D., Nadler, M., Katcher, J., Elfring, L. K., Dykstra, E., Rezende, L. F., & Bolger, M. S. (2018). Authentic Inquiry through Modeling in Biology (AIM-Bio): An introductory laboratory curriculum that increases undergraduates' scientific agency and skills. <i>CBE—Life Sciences Education</i> , 17(4), ar63.	7	1	Curricula and Teaching	Research Article

CBE—Life Sciences Education	2018	Thompson, J. J., & Jensen-Ryan, D. (2018). Becoming a “science person”: Faculty recognition and the development of cultural capital in the context of undergraduate biology research. <i>CBE—Life Sciences Education</i> , 17(4), ar62.	2	0	Equity and Diversity	Research Article
CBE—Life Sciences Education	2019	Couch, B. A., Wright, C. D., Freeman, S., Knight, J. K., Semsar, K., Smith, M. K., ... & Brownell, S. E. (2019). GenBio-MAPS: A programmatic assessment to measure student understanding of vision and change core concepts across general biology programs. <i>CBE—Life Sciences Education</i> , 18(1), ar1.	10	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2019	Blumer, L. S., & Beck, C. W. (2019). Laboratory courses with guided-inquiry modules improve scientific reasoning and experimental design skills for the least-prepared undergraduate students. <i>CBE—Life Sciences Education</i> , 18(1), ar2.	2	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2019	Diaz-Martinez, L. A., Fisher, G. R., Esparza, D., Bhatt, J. M., D’Arcy, C. E., Apodaca, J., ... & Olimpo, J. T. (2019). Recommendations for effective integration of ethics and responsible conduct of research (E/RCR) education into course-based undergraduate research experiences: A meeting report.	18	1	Curricula and Teaching	Essay
CBE—Life Sciences Education	2019	Nerio, R., Webber, A., MacLachlan, E., Lopatto, D., & Caplan, A. J. (2019). One-year research experience for associate’s degree students impacts graduation, STEM retention, and transfer patterns. <i>CBE—Life Sciences Education</i> , 18(2), ar25.	5	0	Degrees and Transfer	Research Article
CBE—Life Sciences Education	2019	Vander Waal Mills, K. E., Gucinski, M., & Vander Waal, K. (2019). Implementation of open textbooks in community and technical college biology courses: The good, the bad, and the data. <i>CBE—Life Sciences Education</i> , 18(3), ar44.	3	2	Curricula and Teaching	Research Article

CBE—Life Sciences Education	2019	Harrison, C. D., Nguyen, T. A., Seidel, S. B., Escobedo, A. M., Hartman, C., Lam, K., ... & Tanner, K. D. (2019). Investigating instructor talk in novel contexts: Widespread use, unexpected categories, and an emergent sampling strategy. <i>CBE—Life Sciences Education</i> , 18(3), ar47.	77	22	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2019	Corwin, L. A., Kiser, S., LoRe, S. M., Miller, J. M., & Aikens, M. L. (2019). Community college instructors' perceptions of constraints and affordances related to teaching quantitative biology skills and concepts. <i>CBE—Life Sciences Education</i> , 18(4), ar64.	5	2	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2020	Dolan, E. L., Borrero, M., Callis-Duehl, K., Musgrove, M. M. C., de Lima, J., Ero-Tolliver, I., ... & Suarez, N. A. (2020). Undergraduate biology education research Gordon research conference: A meeting report. <i>CBE—Life Sciences Education</i> , 19(2), mr1.	22	1	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2020	Branchaw, J. L., Pape-Lindstrom, P. A., Tanner, K. D., Bissonnette, S. A., Cary, T. L., Couch, B. A., ... & Brownell, S. E. (2020). Resources for teaching and assessing the vision and change biology core concepts. <i>CBE—Life Sciences Education</i> , 19(2), es1.	15	1	Curricula and Teaching	Essay
CBE—Life Sciences Education	2020	Petersen, C. I., Baepler, P., Beitz, A., Ching, P., Gorman, K. S., Neudauer, C. L., ... & Wingert, D. (2020). The tyranny of content: "Content coverage" as a barrier to evidence-based teaching approaches and ways to overcome it. <i>CBE—Life Sciences Education</i> , 19(2), ar17.	9	1	Curricula and Teaching	Essay
CBE—Life Sciences Education	2020	Clement, L., Dorman, J. B., & McGee, R. (2020). The academic career readiness assessment: clarifying hiring and training expectations for future biomedical life sciences faculty. <i>CBE—Life Sciences Education</i> , 19(2), ar22.	3	0	Curricula and Teaching	Research Article



CBE—Life Sciences Education	2020	Genné-Bacon, E. A., Wilks, J., & Bascom-Slack, C. (2020). Uncovering factors influencing instructors' decision process when considering implementation of a course-based research experience. <i>CBE—Life Sciences Education</i> , 19(2), ar13.	3	0	Curricula and Teaching	Research Article
CBE—Life Sciences Education	2020	Downing, V. R., Cooper, K. M., Cala, J. M., Gin, L. E., & Brownell, S. E. (2020). Fear of negative evaluation and student anxiety in community college active-learning science courses. <i>CBE—Life Sciences Education</i> , 19(2), ar20.	5	1	Equity and Diversity	Research Article
CBE—Life Sciences Education	2020	Scott, E. E., Wenderoth, M. P., & Doherty, J. H. (2020). Design-based research: a methodology to extend and enrich biology education research. <i>CBE—Life Sciences Education</i> , 19(2), es11.	3	0	Curricula and Teaching	Essay
CBE—Life Sciences Education	2020	Cooper, K. M., Auerbach, A. J. J., Bader, J. D., Beadles-Bohling, A. S., Brashears, J. A., Cline, E., ... & Brownell, S. E. (2020). Fourteen recommendations to create a more inclusive environment for LGBTQ+ individuals in academic biology. <i>CBE—Life Sciences Education</i> , 19(3), es6.	26	1	Equity and Diversity	Essay
CBE—Life Sciences Education	2020	Thompson, S. K., Hebert, S., Berk, S., Brunelli, R., Creech, C., Drake, A. G., ... & Ballen, C. J. (2020). A call for data-driven networks to address equity in the context of undergraduate biology. <i>CBE—Life Sciences Education</i> , 19(4), mr2.	15	1	Equity and Diversity	Research Article
CBE—Life Sciences Education	2020	Jensen-Ryan, D., Murren, C. J., Rutter, M. T., & Thompson, J. J. (2020). Advancing science while training undergraduates: recommendations from a collaborative biology research network. <i>CBE—Life Sciences Education</i> , 19(4), es13.	4	1	Curricula and Teaching	Essay
CBE—Life Sciences Education	2020	Clemmons, A. W., Timbrook, J., Herron, J. C., & Crowe, A. J. (2020). BioSkills Guide: Development and national validation of a tool for interpreting the Vision and Change	4	0	Curricula and Teaching	Research Article

		core competencies. <i>CBE—Life Sciences Education</i> , 19(4), ar53.				
CBE—Life Sciences Education	2020	Driessen, E. P., Knight, J. K., Smith, M. K., & Ballen, C. J. (2020). Demystifying the meaning of active learning in postsecondary biology education. <i>CBE—Life Sciences Education</i> , 19(4), ar52.	4	0	Curricula and Teaching	Research Article
Journal of College Science Teaching	2016	Gonzalez, B. (2016) Time for Action: Vision and Change Implementation in an Online Biology Course at a Community College. <i>Journal of College Science Teaching</i> , vol. 45, no. 4	1	1	Curricula and Teaching	Research Article
Journal of College Science Teaching	2016	Tanski, A., Bobick, S., Mosley-Turner, K., & Garofalo, G. (2016) The Impact of the Clinical Social Worker in a Community College Biotech Program: A Cohort Study. <i>Journal of College Science Teaching</i> , vol. 45, no. 6	4	4	Equity and Diversity	Research Article
Journal of College Science Teaching	2016	Herried, C. F., Prud'homme-Genereux, A., Schiller, N. A., Herreid, K. F., & Wright, C. (2016). Case Study: What Makes a Good Case, Revisited: The Survey Monkey Tells All. <i>Journal of College Science Teaching</i> , 46(1).	5	0	Curricula and Teaching	Research Article
Journal of College Science Teaching	2016	Ellerton, S., Carmona, N., & Tsimounis, A. (2016) "Increasing science knowledge among high-risk student populations through a community college honors/service-learning program." <i>Journal of College Science Teaching</i> , vol. 46, no. 2	3	3	Curricula and Teaching	Research Article
Journal of College Science Teaching	2017	Keller, C. (2017) Using formative assessment to improve microscope skills among Urban community college General Biology I lab students. <i>Journal of College Science Teaching</i> , vol. 46, no. 3	1	1	Curricula and Teaching	Research Article
Journal of College Science Teaching	2017	Tuthill, M., & Berestecky, J. (2017) Integrating undergraduate research at two-year colleges. <i>Journal of College Science Teaching</i> , vol. 46, no. 4	2	2	Curricula and Teaching	Research Article

Journal of College Science Teaching	2017	Marrero, M., Riccio, J., Ben-Jacob, M., Canger, A., & Maliti, C. (2017) A Crash Course in Undergraduate Research. Journal of College Science Teaching, vol. 46, no. 5	5	1	Equity and Diversity	Teaching Tip
Journal of College Science Teaching	2017	Bennett, S., & Wenk Gotwals, A. (2017) Construction with scaffolds: helping community college students build explanations. Journal of College Science Teaching, vol. 46, no. 6	2	0	Curricula and Teaching	Research Article
Journal of College Science Teaching	2017	Lysne, S., & Miller, B. (2017) A comparison of long-term knowledge retention between two teaching approaches. Journal of College Science Teaching, vol. 46, no. 6	2	1	Curricula and Teaching	Research Article
Journal of College Science Teaching	2017	Tawde, M., Boccio, D., & Kolack, K. (2017) Resolving misconceptions through student reflections. Journal of College Science Teaching, vol. 47, no. 1	3	3	Curricula and Teaching	Research Article
Journal of College Science Teaching	2017	McLaughlin, J., Favre, D., Weinstein, S., & Goedhart, C. (2017) The impact of a four-step laboratory pedagogical framework on biology students' perceptions of laboratory skills, knowledge, and interest in research. Journal of College Science Teaching, vol. 47, no. 1	4	1	Curricula and Teaching	Research Article
Journal of College Science Teaching	2018	Baze, C. & Gray, R. (2018) Modeling Tiktaalik: Using a Model-Based Inquiry Approach to Engage Community College Students in the Practices of Science During an Evolution Unit. Journal of College Science Teaching, vol. 47, no. 4	2	1	Curricula and Teaching	Research Article
Journal of College Science Teaching	2018	Page, R., Espinosa, J., Mares, C., Del Pilar, J., & Shelton, GR. (2018) Point of View: The Curvy Road to Student Success in Underserved Populations. Journal of College Science Teaching, vol. 47, no. 5	5	1	Curricula and Teaching	Essay

Journal of College Science Teaching	2018	Pergams, O., Jake-Matthews, C., & Mohanty, L. (2018) A Combined Read-Aloud Think-Aloud Strategy Improves Student Learning Experiences in College-Level Biology Courses. <i>Journal of College Science Teaching</i> , vol. 47, no. 5	3	2	Curricula and Teaching	Research Article
Journal of College Science Teaching	2018	McLaughlin, S., & Petersen, J. (2018) Hands-On Mini-Case Studies Promote Integration of Microbiological Concepts. <i>Journal of College Science Teaching</i> , vol. 47, no. 6	2	2	Curricula and Teaching	Case Study
Journal of College Science Teaching	2018	Keller, C., Hendrix, T., Xu, N., Porter-Morgan, H., & Brashears, A. (2018) A Foundation for STEM Success: A Simple and Successful Microscope Intervention in a General Biology Course at an Urban Community College. <i>Journal of College Science Teaching</i> , vol. 48, no. 1	5	5	Curricula and Teaching	Research Article
Journal of College Science Teaching	2018	Mraz-Craig, J., Daniel, K., Bucklin, C., Mishra, C., Ali, L., & Clase, K. (2018) Student Identities in Authentic Course-Based Undergraduate Research Experience. <i>Journal of College Science Teaching</i> , vol. 48, no. 1	6	1	Equity and Diversity	Research Article
Journal of College Science Teaching	2018	Reinbold, S. (2018) Critical Thinking Assessment of Students in Nonmajors Biology Classes with Corn or Fly Genetics Laboratory Studies. <i>Journal of College Science Teaching</i> , vol. 48, no. 2	1	1	Curricula and Teaching	Research Article
Journal of College Science Teaching	2019	Tamari, F., & Ho, I. S. (2019). Guided Inquiry-Based Activities Positively Impact Learning in Community College Courses. <i>Journal of College Science Teaching</i> , vol. 48, no. 4	2	2	Curricula and Teaching	Research Article
Journal of College Science Teaching	2019	De Leone, C., Price, E., Sabella, M., & Van Duzor, A. (2019) Developing and Sustaining Faculty-Driven, Curriculum-Centered Partnerships Between Two-Year Colleges and Four-Year Institutions. <i>Journal of College Science Teaching</i> , vol. 48, no. 6	4	0	Degrees and Transfer	Teaching Tip

Journal of College Science Teaching	2019	Nenortas, A., & Fields, L. (2019). Editorial: Two-Year Colleges (TYCs) are Essential in Science Education Research and TYC faculty and Students Should Get Involved. <i>Journal of College Science Teaching</i> , vol. 49, no. 1	2	2	Equity and Diversity	Editorial
Journal of College Science Teaching	2020	Farshad, T., Dawson, M., & Shun Ho, I. (2020). Nonideal Placement of Nonmajors in Biology Major and Allied Health Courses Results in Poor Performance and Higher Attrition Rates. <i>Journal of College Science Teaching</i> , vol 49, no 4	3	3	Curricula and Teaching	Research Article
Journal of College Science Teaching	2020	Scott, F., Pape-Lindstrom, P., Casper, A., & Eddy, S. (2020). Community College Students Rise to the Challenge-- Meeting the Time Demands of Highly Structured Courses. <i>Journal of College Science Teaching</i> , vol 49, no 5	4	1	Equity and Diversity	Research Article
Journal of College Science Teaching	2020	Long, M., Cottrell-Yongye, A., & Huynh, T. (2020). Backward Redesign of a Nonmajors' Biology Course at a Two-Year Technical College. <i>Journal of College Science Teaching</i> , vol 49, no 6	3	2	Curricula and Teaching	Research Article
Journal of College Science Teaching	2020	Fisher, R., Cole, D., Oh, Y., & Vemu, S. (2020). Identifying Differences in Learning Strategies by Demographics and Course Grade in a Community College Context. <i>Journal of College Science Teaching</i> , vol 50, no1	4	2	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2016	Van Vliet, K., & Moore, C. (2016). Citizen science initiatives: Engaging the public and demystifying science. <i>Journal of Microbiology &amp; Biology Education</i> , 17(1), 13–16. <a href="https://doi.org/10.1128/jmbe.v17i1.1019">https://doi.org/10.1128/jmbe.v17i1.1019</a>	2	2	Curricula and Teaching	Teaching Tip
Journal of Microbiology and Biology Education	2016	Scheifele, L. Z., & Burkett, T. (2016). The first three years of a community lab: Lessons learned and ways forward. <i>Journal of Microbiology &amp; Biology Education</i> , 17(1), 81–85. <a href="https://doi.org/10.1128/jmbe.v17i1.1013">https://doi.org/10.1128/jmbe.v17i1.1013</a>	2	1	Curricula and Teaching	Essay
Journal of Microbiology	2016	Kridelbaugh, Donna M. “The Use of Online Citizen-Science Projects to Provide Experiential Learning Opportunities for Nonmajor Science Students.” <i>Journal of Microbiology &amp;</i>	1	1	Curricula and Teaching	Teaching Tip

and Biology Education		Biology Education, vol. 17, no. 1, 1 Mar. 2016, pp. 105–106., <a href="https://doi.org/10.1128/jmbe.v17i1.1022">https://doi.org/10.1128/jmbe.v17i1.1022</a> .				
Journal of Microbiology and Biology Education	2016	Brancaccio-Taras, L., Gull, K. A., & Ratti, C. (2016). The science teaching fellows program: A model for online faculty development of early career scientists interested in teaching. <i>Journal of Microbiology &amp; Biology Education</i> , 17(3), 333–338. <a href="https://doi.org/10.1128/jmbe.v17i3.1243">https://doi.org/10.1128/jmbe.v17i3.1243</a>	3	1	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2016	Biel, Rachel, and Cynthia J. Brame. “Traditional versus Online Biology Courses: Connecting Course Design and Student Learning in an Online Setting.” <i>Journal of Microbiology &amp; Biology Education</i> , vol. 17, no. 3, 2 Dec. 2016, pp. 417–422., <a href="https://doi.org/10.1128/jmbe.v17i3.1157">https://doi.org/10.1128/jmbe.v17i3.1157</a> .	2	0	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2017	Petersen, Joan, and Susan K. McLaughlin. “Design and Revision of an Open-Educational Resource Microbiology Lab Manual Using Student Feedback.” <i>Journal of Microbiology &amp; Biology Education</i> , vol. 18, no. 2, 1 Sept. 2017, <a href="https://doi.org/10.1128/jmbe.v18i2.1302">https://doi.org/10.1128/jmbe.v18i2.1302</a> .	2	2	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2017	Axler-DiPerte, Grace L. “Modeling and Visualizing Bacterial Colony Purification without the Use of Bacteria or Laboratory Equipment.” <i>Journal of Microbiology &amp; Biology Education</i> , vol. 18, no. 2, 11 Aug. 2017, <a href="https://doi.org/10.1128/jmbe.v18i2.1308">https://doi.org/10.1128/jmbe.v18i2.1308</a> .	1	1	Curricula and Teaching	Teaching Tip
Journal of Microbiology and Biology Education	2017	Seitz, H. M., Horak, R. E., Howard, M. W., Kluckhohn Jones, L. W., Muth, T., Parker, C., Rediske, A. P., & Whitehurst, M. M. (2017). Development and validation of the Microbiology for Health Sciences Concept Inventory. <i>Journal of Microbiology &amp; Biology Education</i> , 18(3). <a href="https://doi.org/10.1128/jmbe.v18i3.1322">https://doi.org/10.1128/jmbe.v18i3.1322</a>	8	3	Curricula and Teaching	Research Article

Journal of Microbiology and Biology Education	2017	Hoskins, Sally G., et al. "Create Two-Year/Four-Year Faculty Workshops: A Focus on Practice, Reflection, and Novel Curricular Design Leads to Diverse Gains for Faculty at Two-Year and Four-Year Institutions." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 18, no. 3, 15 Dec. 2017, <a href="https://doi.org/10.1128/jmbe.v18i3.1365">https://doi.org/10.1128/jmbe.v18i3.1365</a> .	3	0	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2017	Shortlidge, E. E., Bangera, G., & Brownell, S. E. (2017). Each to their own cure: Faculty who teach course-based undergraduate research experiences report why you too should teach a cure. <i>Journal of Microbiology &amp; Biology Education</i> , 18(2). <a href="https://doi.org/10.1128/jmbe.v18i2.1260">https://doi.org/10.1128/jmbe.v18i2.1260</a>	3	1	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2018	Norman-McKay, Lourdes, and The ASM MINAH Undergraduate Curriculum Guidelines Committee. "Microbiology in Nursing and Allied Health (MINAH) Undergraduate Curriculum Guidelines: A Call to Retain Microbiology Lecture and Laboratory Courses in Nursing and Allied Health Programs." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 19, no. 1, 2018, <a href="https://doi.org/10.1128/jmbe.v19i1.1524">https://doi.org/10.1128/jmbe.v19i1.1524</a> .	2	2	Curricula and Teaching	Essay
Journal of Microbiology and Biology Education	2018	Fillmer, Kornelia, et al. "Using Tobamoviruses for Phylogenetic Instruction in Undergraduate Biology Courses." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 19, no. 2, 25 May 2018, <a href="https://doi.org/10.1128/jmbe.v19i2.1519">https://doi.org/10.1128/jmbe.v19i2.1519</a> .	4	3	Curricula and Teaching	Teaching Tip
Journal of Microbiology and Biology Education	2018	Andrews, Sarah E., and Melissa L. Aikens. "Life Science Majors' Math-Biology Task Values Relate to Student Characteristics and Predict the Likelihood of Taking Quantitative Biology Courses." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 19, no. 2, 31 July 2018, <a href="https://doi.org/10.1128/jmbe.v19i2.1589">https://doi.org/10.1128/jmbe.v19i2.1589</a> .	2	0	Equity and Diversity	Research Article
Journal of Microbiology	2018	Genné-Bacon, Elizabeth A., and Carol A. Bascom-Slack. "The Pare Project: A Short Course-Based Research Project for National Surveillance of Antibiotic-Resistant Microbes in	2	0	Curricula and Teaching	Teaching Tip

and Biology Education		Environmental Samples.” Journal of Microbiology & Biology Education, vol. 19, no. 3, 31 Oct. 2018, <a href="https://doi.org/10.1128/jmbe.v19i3.1603">https://doi.org/10.1128/jmbe.v19i3.1603</a> .				
Journal of Microbiology and Biology Education	2018	Kolokithas, A., & Calderón, O. (2018). A how-to guide on Bringing Undergraduate Research to community and Technical Colleges. Journal of Microbiology & Biology Education, 19(3). <a href="https://doi.org/10.1128/jmbe.v19i3.1653">https://doi.org/10.1128/jmbe.v19i3.1653</a>	2	2	Curricula and Teaching	Teaching Tip
Journal of Microbiology and Biology Education	2019	Mathur V, Arora GS, McWilliams M, Russell J, Rosenwald AG. (2019). The Genome Solver Project: Faculty Training and Student Performance Gains in Bioinformatics. J Microbiol Biol Educ. 20(1):20.1.4. <a href="https://doi.org/10.1128/jmbe.v20i1.1607">doi/10.1128/jmbe.v20i1.1607</a>	5	0	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2019	Meléndez, J. (2019). Teaching microbiology by celebrating traditional foods and cultures from Morocco and Perú. Journal of Microbiology & Biology Education, 20(1). <a href="https://doi.org/10.1128/jmbe.v20i1.1685">https://doi.org/10.1128/jmbe.v20i1.1685</a>	1	1	Curricula and Teaching	Teaching Tip
Journal of Microbiology and Biology Education	2019	Wolyniak, M. J., Austin, S., Bloodworth, L. F., Carter, D., Harrison, S. H., Hoage, T., Hollis-Brown, L., Jefferson, F., Krufka, A., Safadi-Chamberlin, F., Santisteban, M. S., Soneral, P., VanWinkle, B., & Challa, A. K. (2019). Integrating CRISPR-Cas9 technology into undergraduate courses: Perspectives from a National Science Foundation (NSF) workshop for Undergraduate Faculty, June 2018. Journal of Microbiology & Biology Education, 20(1). <a href="https://doi.org/10.1128/jmbe.v20i1.1702">https://doi.org/10.1128/jmbe.v20i1.1702</a>	14	1	Curricula and Teaching	Essay
Journal of Microbiology and Biology Education	2019	Basta, Holly, and Deborah Catherine Cole. “Histology Personal Trainer: Identifying Tissue Types Using Critical Thinking and Metacognition Prompts.” Journal of Microbiology & Biology Education, vol. 20, no. 2, 30 Aug. 2019, <a href="https://doi.org/10.1128/jmbe.v20i2.1791">https://doi.org/10.1128/jmbe.v20i2.1791</a> .	3	1	Curricula and Teaching	Teaching Tip



Journal of Microbiology and Biology Education	2019	Beck, Christopher W., and Lawrence S. Blumer. "A Model for an Intensive Hands-on Faculty Development Workshop to Foster Change in Laboratory Teaching." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 20, no. 3, 31 Oct. 2019, <a href="https://doi.org/10.1128/jmbe.v20i3.1799">https://doi.org/10.1128/jmbe.v20i3.1799</a> .	2	0	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2019	Gonzalez, Kimberly A., et al. "Collaborative Mentoring for Retaining Secondary Biology Teachers." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 20, no. 3, 31 Oct. 2019, <a href="https://doi.org/10.1128/jmbe.v20i3.1811">https://doi.org/10.1128/jmbe.v20i3.1811</a> .	3	1	Other	Teaching Tip
Journal of Microbiology and Biology Education	2019	Chou, Ann F., et al. "Impact and Outcomes of the Oklahoma IDEA Network of Biomedical Research Excellence Summer Undergraduate Research Program." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 20, no. 3, 31 Oct. 2019, <a href="https://doi.org/10.1128/jmbe.v20i3.1815">https://doi.org/10.1128/jmbe.v20i3.1815</a> .	3	0	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2019	Byrd, Jeffrey J., et al. "Guidelines for Biosafety in Teaching Laboratories Version 2.0: A Revised and Updated Manual for 2019." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 20, no. 3, 18 Aug. 2019, <a href="https://doi.org/10.1128/jmbe.v20i3.1975">https://doi.org/10.1128/jmbe.v20i3.1975</a> .	5	1	Curricula and Teaching	Teaching Tip
Journal of Microbiology and Biology Education	2020	Moore, Michael E., et al. "Facilitating Long-Term Mentoring to Effectively Implement Active Learning Instruction: Formation of the Promoting Active Learning and Mentoring (PALM) Network." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 21, no. 3, 12 Nov. 2020, <a href="https://doi.org/10.1128/jmbe.v21i3.2203">https://doi.org/10.1128/jmbe.v21i3.2203</a> .	9	2	Curricula and Teaching	Essay
Journal of Microbiology and Biology Education	2020	Axler-DiPerte, Grace L., and Mary T. Ortiz. "What's Your Diagnosis? A Rapid Inquiry-Based Game to Differentiate and Review Medically Important Microbes." <i>Journal of Microbiology &amp; Biology Education</i> , vol. 21, no. 3, 12 Nov. 2020, <a href="https://doi.org/10.1128/jmbe.v21i3.2059">https://doi.org/10.1128/jmbe.v21i3.2059</a> .	2	2	Curricula and Teaching	Teaching Tip

Journal of Microbiology and Biology Education	2020	Clement, Laurence, et al. "The Supervisory Role of Life Science Research Faculty: The Missing Link to Diversifying the Academic Workforce?" Journal of Microbiology & Biology Education, vol. 21, no. 1, 10 Apr. 2020, <a href="https://doi.org/10.1128/jmbe.v21i1.1911">https://doi.org/10.1128/jmbe.v21i1.1911</a> .	4	2	Equity and Diversity	Essay
Journal of Microbiology and Biology Education	2020	Lopatto, David, et al. "Facilitating Growth through Frustration: Using Genomics Research in a Course-Based Undergraduate Research Experience." Journal of Microbiology & Biology Education, vol. 21, no. 1, 28 Feb. 2020, <a href="https://doi.org/10.1128/jmbe.v21i1.2005">https://doi.org/10.1128/jmbe.v21i1.2005</a> .	103	6	Curricula and Teaching	Research Article
Journal of Microbiology and Biology Education	2020	Smith-Keiling, Beverly L., et al. "Starting the Conversation: Initial Listening and Identity Approaches to Community Cultural Wellness." Journal of Microbiology & Biology Education, vol. 21, no. 1, 10 Apr. 2020, <a href="https://doi.org/10.1128/jmbe.v21i1.2073">https://doi.org/10.1128/jmbe.v21i1.2073</a> .	11	1	Equity and Diversity	Essay
Journal of Microbiology and Biology Education	2020	Hood, Suzanne, et al. "Some Believe, Not All Achieve: The Role of Active Learning Practices in Anxiety and Academic Self-Efficacy in First-Generation College Students." Journal of Microbiology & Biology Education, vol. 21, no. 1, 10 Apr. 2020, <a href="https://doi.org/10.1128/jmbe.v21i1.2075">https://doi.org/10.1128/jmbe.v21i1.2075</a> .	14	6	Equity and Diversity	Research Article

<b>Supplemental Table 3: Number of CC BER Publications in Each Paper Type Category Between 2016-2020</b>	
<b>Type of Paper</b>	<b>Number of Papers</b>
Research Article	93
Teaching Tip	20
Essay	26
Case Study	3
Review Article	1
Editorial	3
Letter to Editor	1
Total	147

<b>Supplemental Table 4: Number of CC BER Publications in Each Paper Topic Category Between 2016-2020</b>	
<b>Paper Topic</b>	<b>Number of Papers</b>
Curricula and Teaching	108
Degrees and Transfer	10
Equity and Diversity	22
Other	7
Total	147