

This list provides full references for the supporting PER articles from CU Boulder contained in this subfolder.

Assessment in Upper-Division Physics

"Multiple Roles of Assessment In Upper-Division Physics Course Reforms," Steven Pollock, Rachel Pepper, Stephanie Chasteen and Katherine Perkins
PERC Proceedings 2011, AIP Press (2011)

Conceptual Understanding in E&M

"Longitudinal study of student conceptual understanding in electricity and magnetism," Steven J. Pollock, *PhysRev: ST Phys Ed. Rsrch* **5**, 020110 (2009)

CUE – Electrostatics Assessment

"Tapping into Juniors' Understanding of E&M: The Colorado Upper-Division Electrostatics (CUE) Diagnostic," Stephanie V. Chasteen and Steven J. Pollock
PERC Proceedings 2009, AIP Press (2009)

Developing Faculty Consensus Learning Goals

"Facilitating Faculty Conversations: Development of Consensus Learning Goals," Rachel E. Pepper, Stephanie V. Chasteen, Steven J. Pollock and Katherine K. Perkins
PERC Proceedings 2011, AIP Press (2011)

Difficulties with Ampere's Law

"Upper-division students' difficulties with Ampere's law," Colin S. Wallace and Stephanie V. Chasteen, *PhysRev: ST Phys Ed. Rsrch* **6**, 020115 (2010)

Difficulties with Gauss' Law

"Our best juniors still struggle with Gauss's Law: Characterizing their difficulties," Rachel E. Pepper, Stephanie V. Chasteen, Steven J. Pollock & Katherine K. Perkins
PERC Proceedings 2010, AIP Press (2010).

E&M Math Difficulties

"Observations on student difficulties with mathematics in upper-division electricity and magnetism," Rachel E. Pepper, Stephanie V. Chasteen, Steven J. Pollock, and Katherine K. Perkins, *PhysRev: ST Phys Ed. Rsrch* **8**, 010111 (2012)

Effect of Tutorials

"Teasing Out the Effect of Tutorials via Multiple Regression," Stephanie V. Chasteen *PERC Proceedings 2011*, AIP Press (2011)

Peer Instruction in Upper-Division Physics

"The use of concept tests and peer instruction in upper-division physics," Steven J. Pollock, Stephanie V. Chasteen, Michael Dubson, Katherine K. Perkins *PERC Proceedings 2010*, AIP Press (2010).

SEI Model for Course Transformation

"A Thoughtful Approach to Instruction: Course transformation for the rest of us," Stephanie V. Chasteen, Katherine K. Perkins, Paul D. Beale, Steven J. Pollock & Carl E. Wieman, *Journal of College Science Teaching* **40 (4)**, 70 (2011)

Sustaining Course Transformation

"But Does It Last? Sustaining a Research-Based Curriculum in Upper-Division Electricity & Magnetism" Stephanie V. Chasteen, Rachel E. Pepper, Steven J. Pollock & Katherine K. Perkins, *PERC Proceedings 2011*, AIP Press (2011).

Transforming Electrostatics Courses

"Transforming Upper-Division Electricity and Magnetism," Stephanie V. Chasteen and Steven J. Pollock, *PERC Proceedings 2008*, AIP Press (2008)