Dean Zollman

List of Publications by Year
in descending order

49 papers	570 citations	840776 11 h-index	642732 23 g-index
54 all docs	54 docs citations	54 times ranked	297 citing authors

#	Article	IF	Citations
1	Quantum mechanics for everyone: Hands-on activities integrated with technology. American Journal of Physics, 2002, 70, 252-259.	0.7	109
2	Model analysis of fine structures of student models: An example with Newton's third law. American Journal of Physics, 2002, 70, 766-778.	0.7	76
3	Visualizing motion in potential wells. American Journal of Physics, 1998, 66, 57-63.	0.7	43
4	The effect of distracters on student performance on the force concept inventory. American Journal of Physics, 2004, 72, 116-125.	0.7	41
5	StudentsÂ models of NewtonÂs second law in mechanics and electromagnetism. European Journal of Physics, 2004, 25, 81-89.	0.6	35
6	Influence of interactive videodisc instruction using simultaneous-time analysis on kinematics graphing skills of high school physics students. Journal of Research in Science Teaching, 1995, 32, 855-869.	3.3	33
7	The influence of structured versus unstructured laboratory on students' understanding the process of science. Journal of Research in Science Teaching, 1977, 14, 33-38.	3.3	31
8	Web-based testing in physics education: Methods and opportunities. Computers in Physics, 1998, 12, 117.	0.5	27
9	The New Studio format for instruction of introductory physics. American Journal of Physics, 2006, 74, 1077-1082.	0.7	24
10	Learning cycles for a large-enrollment class. Physics Teacher, 1990, 28, 20-25.	0.3	19
11	Impact of a Classroom Interaction System on Student Learning. AIP Conference Proceedings, 2007, , .	0.4	17
12	Modelling the Motion of an Athlete: An Interactive Video Lesson for Teaching Physics. Journal of Educational Technology Systems, 1987, 15, 249-258.	5.8	11
13	Simulating the spectra of light sources. Computers in Physics, 1998, 12, 28.	0.5	11
14	Physics labs for the blind. Physics Teacher, 1977, 15, 339-342.	0.3	10
15	Millikan Lecture 1995: Do they just sit there? Reflections on helping students learn physics. American Journal of Physics, 1996, 64, 114-119.	0.7	9
16	Preparing future science teachers: the physics component of a new programme. Physics Education, 1994, 29, 271-275.	0.5	8
17	Orientation for the new teaching assistant—A laboratory based program. American Journal of Physics, 1974, 42, 1062-1066.	0.7	6
18	Pinhole Glasses. Physics Teacher, 2008, 46, 26-28.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Pion Production and the Two-Nucleon Interaction. Physical Review C, 1970, 2, 2128-2134.	2.9	5
20	Computer games for profectile motion instruction. Physics Teacher, 1984, 22, 514-514.	0.3	5
21	Computer-Video Method Evaluates Real Motion Data in Real Time for Students. Computers in Physics, 1993, 7, 393.	0.5	4
22	Image Processing Enhances the Value of Digital Video in Physics Instruction. Computers in Physics, 1994, 8, 518.	0.5	4
23	Students' understanding and perceptions of the content of a lecture. AIP Conference Proceedings, 2004, , .	0.4	4
24	Method for analyzing students' utilization of prior physics learning in new contexts. Physical Review Physics Education Research, 2010, 6, .	1.7	4
25	Apparatus for investigating resonance with application to magnetic resonance imaging. American Journal of Physics, 2015, 83, 942-947.	0.7	4
26	Photorefraction of the Eye. Physics Teacher, 2015, 53, 103-105.	0.3	4
27	Determining Planck's constant with LEDs—what could possibly go wrong?. Physics Education, 2020, 55, 015011.	0.5	4
28	Collecting kinematics data over long time intervals. Physics Teacher, 2000, 38, 434-436.	0.3	3
29	Oersted Lecture 2014: Physics education research and teaching modern Modern Physics. American Journal of Physics, 2016, 84, 573-580.	0.7	3
30	Posting Physics Documents on the Web. Computers in Physics, 1997, 11, 133.	0.5	2
31	The Physics Activities Center — A Mini-Exploratorium. Physics Teacher, 1974, 12, 213-216.	0.3	1
32	A quantitative demonstration of relative velocities. Physics Teacher, 1981, 19, 44-44.	0.3	1
33	Creating A Simple, Searchable Database on the Web. Computers in Physics, 1997, 11, 225.	0.5	1
34	Investigating Students' Ideas About X-rays While Developing Teaching Materials for a Medical Physics Course. AIP Conference Proceedings, 2007, , .	0.4	1
35	Investigating Students' Ideas about Wavefront Aberrometry. , 2007, , .		1
36	Probing Students' Understanding of Resonance. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	Teaching about the Physics of Medical Imaging. , 2010, , .		1
38	The car, the beer can, and the brick wall. Physics Teacher, 1975, 13, 173-175.	0.3	0
39	The Metric Film. Physics Teacher, 1978, 16, 333-334.	0.3	0
40	Meet your new AAPT president: Robert G. Fuller. Physics Teacher, 1980, 18, 98-98.	0.3	0
41	The latent heat of fusion of a witch. Physics Teacher, 1992, 30, 448-448.	0.3	0
42	Web Activities in an Introductory Class. International Journal of Modern Physics C, 1997, 08, 97-105.	1.7	0
43	Interactive forms on the Web. Computers in Physics, 1997, 11, 17.	0.5	0
44	Reusable Java components for physics education. Computers in Physics, 1998, 12, 314.	0.5	0
45	Energy Mental Models: Mechanics through Electromagnetism. AIP Conference Proceedings, 2004, , .	0.4	0
46	Use of Physical Models to Facilitate Transfer of Physics Learning to Understand Positron Emission Tomography. AIP Conference Proceedings, 2007, , .	0.4	0
47	REU Studentsâ€™ Initial Perceptions of Scientific Ethics. , 2010, , .		0
48	Evidence of students' content reasoning in relation to measure of reform. , 2012, , .		0
49	Context and Transfer: How Physics Education Research Informs Teaching and Learning. Challenges in Physics Education, 2021, , 137-147.	0.8	0