

David E Meltzer

List of Publications by Year in descending order

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37
papers

1,572
citations

471509

17
h-index

330143

37
g-index

41
all docs

41
docs citations

41
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	How Heavy Lifting Lightens Our Lives: Content Analysis of Perceived Outcomes of Masters Weightlifting. <i>Frontiers in Sports and Active Living</i> , 2022, 4, 778491.	1.8	3
2	Strength in Numbers Women in Olympic-Style Weightlifting. <i>Significance</i> , 2021, 18, 20-25.	0.4	9
3	How Should Physics Teachers Be Prepared? A Review of Recommendations. <i>Physics Teacher</i> , 2021, 59, 530-534.	0.3	2
4	The Masters athlete in Olympic weightlifting: Training, lifestyle, health challenges, and gender differences. <i>PLoS ONE</i> , 2020, 15, e0243652.	2.5	18
5	Age-associated Performance Decline and Sex Differences in Olympic Weightlifting. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2302-2308.	0.4	23
6	The past and future of physics education reform. <i>Physics Today</i> , 2017, 70, 50-56.	0.3	13
7	100 Years of Attempts to Transform Physics Education. <i>Physics Teacher</i> , 2016, 54, 523-527.	0.3	16
8	A brief history of physics education in the United States. <i>American Journal of Physics</i> , 2015, 83, 447-458.	0.7	50
9	Resource Letter TTSM-1: Teaching Thermodynamics and Statistical Mechanics in Introductory Physics, Chemistry, and Biology. <i>American Journal of Physics</i> , 2015, 83, 5-21.	0.7	25
10	Transforming the preparation of physics teachers. <i>American Journal of Physics</i> , 2014, 82, 633-637.	0.7	15
11	Resource Letter ALIPâ€“1: Active-Learning Instruction in Physics. <i>American Journal of Physics</i> , 2012, 80, 478-496.	0.7	146
12	Observations Of General Learning Patterns In An Upper-Level Thermal Physics Course. <i>AIP Conference Proceedings</i> , 2009, , .	0.4	9
13	Investigation Of Student Learning In Thermodynamics And Implications For Instruction In Chemistry And Engineering. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	21
14	Analysis Of Shifts In Studentsâ€™ Reasoning Regarding Electric Field And Potential Concepts. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	7
15	How Do You Hit A Moving Target? Addressing The Dynamics Of Studentsâ€™ Thinking. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	4
16	Student Learning In Upper-Level Thermal Physics: Comparisons And Contrasts With Students In Introductory Courses. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	10
17	Relation between studentsâ€™ problem-solving performance and representational format. <i>American Journal of Physics</i> , 2005, 73, 463-478.	0.7	147
18	The future of physics education research: Intellectual challenges and practical concerns. <i>American Journal of Physics</i> , 2005, 73, 390-394.	0.7	30

#	ARTICLE	IF	CITATIONS
19	Investigation of students'™ reasoning regarding heat, work, and the first law of thermodynamics in an introductory calculus-based general physics course. American Journal of Physics, 2004, 72, 1432-1446.	0.7	111
20	The Questions We Ask and Why: Methodological Orientation in Physics Education Research. AIP Conference Proceedings, 2004, , .	0.4	0
21	Initial understanding of vector concepts among students in introductory physics courses. American Journal of Physics, 2003, 71, 630-638.	0.7	76
22	Student learning of thermochemical concepts in the context of solution calorimetry. International Journal of Science Education, 2003, 25, 779-800.	1.9	46
23	The relationship between mathematics preparation and conceptual learning gains in physics: A possible "hidden variable" in diagnostic pretest scores. American Journal of Physics, 2002, 70, 1259-1268.	0.7	275
24	Transforming the lecture-hall environment: The fully interactive physics lecture. American Journal of Physics, 2002, 70, 639-654.	0.7	153
25	Increasing active student participation in the classroom through the use of "flash cards". AIP Conference Proceedings, 1997, , .	0.4	0
26	Nontraditional approach to algebra-based general physics. AIP Conference Proceedings, 1997, , .	0.4	1
27	Promoting interactivity in physics lecture classes. Physics Teacher, 1996, 34, 72-76.	0.3	34
28	Age dependence of Olympic weightlifting ability. Medicine and Science in Sports and Exercise, 1994, 26, 1053-1067.	0.4	47
29	Density decomposition options in the orbital local plasma approximation. Nuclear Instruments & Methods in Physics Research B, 1993, 82, 493-502.	1.4	18
30	Stopping of swift projectiles in material thin films: hydrogen. Nuclear Instruments & Methods in Physics Research B, 1991, 56-57, 340-344.	1.4	8
31	Calculation of mean excitation energy and stopping cross section in the orbital local plasma approximation. Physical Review A, 1990, 41, 220-232.	2.5	45
32	Rare-gas impurities in alkali metals: Relation to optical absorption. Physical Review B, 1988, 37, 6011-6018.	3.2	2
33	Spin relaxation in normal liquid ^3He : T_1 in the Fermi liquid ($T \ll T_F$) regime. Journal of Low Temperature Physics, 1986, 63, 215-233.	1.4	5
34	Spin waves and spin diffusion in Fermi liquids: Bounds on effective diffusion coefficients. Physical Review B, 1986, 33, 4543-4556.	3.2	9
35	Proposed determination of many-body effects in heavy-fermion systems by conduction-electron-spin resonance. Physical Review B, 1985, 32, 1835-1838.	3.2	0
36	Low-temperature spin-relaxation time in normal liquid ^3He . Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 106, 312-317.	2.1	10

#	ARTICLE	IF	CITATIONS
37	Landau parameters and pairing-on the shores of the nuclear Fermi sea. Nuclear Physics A, 1982, 386, 125-165.	1.5	82