

Herman Erlichson

List of Publications by Year in descending order

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49
papers

417
citations

1163117

8
h-index

794594

19
g-index

51
all docs

51
docs citations

51
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Johann Bernoulli's brachistochrone solution using Fermat's principle of least time. European Journal of Physics, 1999, 20, 299-304.	0.6	83
2	Aharonov-Bohm Effect—Quantum Effects on Charged Particles in Field-Free Regions. American Journal of Physics, 1970, 38, 162-173.	0.7	46
3	Maximum projectile range with drag and lift, with particular application to golf. American Journal of Physics, 1983, 51, 357-362.	0.7	45
4	Motive force and centripetal force in Newton's mechanics. American Journal of Physics, 1991, 59, 842-849.	0.7	35
5	The Rod Contraction-Clock Retardation Ether Theory and the Special Theory of Relativity. American Journal of Physics, 1973, 41, 1068-1077.	0.7	27
6	Newton's 1679/80 solution of the constant gravity problem. American Journal of Physics, 1991, 59, 728-733.	0.7	26
7	Internal energy in the first law of thermodynamics. American Journal of Physics, 1984, 52, 623-625.	0.7	20
8	Work and kinetic energy for an automobile coming to a stop. American Journal of Physics, 1977, 45, 769-769.	0.7	16
9	Comment on "Long-buried dismantling of a centuries-old myth: Newton's Principia and inverse-square orbits," by Robert Weinstock [Am. J. Phys. 57, 846-849 (1989)]. American Journal of Physics, 1990, 58, 882-884.	0.7	8
10	Newton's Polygon Model and the Second Order Fallacy. Centaurus, 1992, 35, 243-258.	0.6	8
11	Newton and Hooke on Centripetal Force Motion. Centaurus, 1992, 35, 46-63.	0.6	7
12	Hooke's September 1685 Ellipse Vertices Construction and Newton's Instantaneous Impulse Construction. Historia Mathematica, 1997, 24, 167-184.	0.3	7
13	Christiaan Huygens' discovery of the center of oscillation formula. American Journal of Physics, 1996, 64, 571-574.	0.7	6
14	Is a baseball a sand-roughened sphere?. American Journal of Physics, 1985, 53, 582-583.	0.7	5
15	How Newton Went from a Mathematical Model to a Physical Model for the Problem of a First Power Resistive Force. Centaurus, 1991, 34, 272-283.	0.6	5
16	Huygens and Newton on the Problem of Circular Motion. Centaurus, 1994, 37, 210-229.	0.6	5
17	Galileo's pendulum. Physics Teacher, 1999, 37, 478-479.	0.3	5
18	Electric Field and Electric Flux. American Journal of Physics, 1970, 38, 1252-1253.	0.7	4

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19	The Classical Limit of the Aharonov-Bohm Effect. American Journal of Physics, 1972, 40, 1707-1707.	0.7	4
20	The magnetic field of a circular turn. American Journal of Physics, 1989, 57, 607-610.	0.7	4
21	Galileo's pendulums and planes. Annals of Science, 1994, 51, 263-272.	0.4	4
22	Galileo to Newton—A liberal-arts physics course. Physics Teacher, 1997, 35, 532-535.	0.3	4
23	The young Huygens solves the problem of elastic collisions. American Journal of Physics, 1997, 65, 149-154.	0.7	4
24	A proposition well known to geometers. Physics Teacher, 2001, 39, 152-153.	0.3	4
25	Newton's strange collisions. Physics Teacher, 1995, 33, 169-171.	0.3	3
26	The experiments of Biot and Savart concerning the force exerted by a current on a magnetic needle. American Journal of Physics, 1998, 66, 385-391.	0.7	3
27	Ampère was not the author of "Ampère's Circuital Law". American Journal of Physics, 1999, 67, 448-450.	0.7	3
28	The importance of the past. American Journal of Physics, 1999, 67, 467-467.	0.7	3
29	Galileo's Work on Swiftest Descent from a Circle and How He Almost Proved the Circle Itself Was the Minimum Time Path. American Mathematical Monthly, 1998, 105, 338.	0.3	3
30	The Horizontal Sundial. American Journal of Physics, 1974, 42, 372-373.	0.7	2
31	Einstein synchronization. American Journal of Physics, 1978, 46, 1071-1071.	0.7	2
32	Comment on "Newton's Principia and the external gravitational field of a spherically symmetric mass distribution," by R. Weinstock [Am. J. Phys. 52, 883-890 (1984)]. American Journal of Physics, 1990, 58, 274-276.	0.7	2
33	Newton's First Inverse Solutions. Centaurus, 1991, 34, 345-366.	0.6	2
34	The instantaneous impulse construction as a formula for central force motion on an arbitrary plane curve with respect to an arbitrary force centre in the plane of that curve. Annals of Science, 1992, 49, 369-375.	0.4	2
35	Galileo and High Tower Experiments. Centaurus, 1993, 36, 33-45.	0.6	2
36	Evidence that Newton used the Calculus to discover some of the Propositions in his Principia. Centaurus, 1997, 39, 253-266.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Science for generalists. American Journal of Physics, 1999, 67, 103-103.	0.7	2
38	Bohr and the Einstein-Podolsky-Rosen Paradox. American Journal of Physics, 1972, 40, 634-636.	0.7	1
39	Content versus process in introductory physics. American Journal of Physics, 1988, 56, 775-776.	0.7	1
40	The retrograde motion of Mars. Physics Teacher, 1999, 37, 342-342.	0.3	1
41	The Role of History in Liberal Arts Physics. Physics Teacher, 2008, 46, 452-452.	0.3	1
42	Simultaneous Measurability in Quantum Mechanics. American Journal of Physics, 1970, 38, 933-934.	0.7	0
43	A comment on Ruderfer's letter. American Journal of Physics, 1975, 43, 279-279.	0.7	0
44	The classical Doppler effect and intuition. American Journal of Physics, 1977, 45, 1227-1228.	0.7	0
45	Particles for poets: The new Chartres. American Journal of Physics, 1979, 47, 115-116.	0.7	0
46	Descartes and the concept of density. American Journal of Physics, 1987, 55, 104-104.	0.7	0
47	Angular momentum and angular velocity. Physics Teacher, 1994, 32, 274-275.	0.3	0
48	The IUPP and the introductory calculus-based physics course. American Journal of Physics, 1998, 66, 847-847.	0.7	0
49	Instantaneous impulses. Physics Teacher, 2000, 38, 289-289.	0.3	0