

# Krzysztof RÄbilas

## List of Publications by Year in descending order

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30  
papers

138  
citations

1307594

7  
h-index

1281871

11  
g-index

30  
all docs

30  
docs citations

30  
times ranked

123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physicochemical properties of waxy corn starch and corn amylopectin illuminated with linearly polarised visible light. <i>Carbohydrate Polymers</i> , 2002, 50, 315-319.	10.2	38
2	Comment on "Elementary analysis of the special relativistic combination of velocities, Wigner rotation and Thomas precession". <i>European Journal of Physics</i> , 2013, 34, L55-L61.	0.6	13
3	Reexamination of the theory of light-induced atomic desorption. <i>Physical Review A</i> , 2009, 79, .	2.5	12
4	Dextran"low-molecular saccharide sweetener interactions in aqueous solutions. <i>Food Hydrocolloids</i> , 2006, 20, 21-23.	10.7	10
5	Light-induced atomic desorption dynamics: Theory for a completely illuminated cell. <i>Physical Review A</i> , 2009, 80, .	2.5	8
6	Thomas Precession and the Bargmann-Michel-Telegdi Equation. <i>Foundations of Physics</i> , 2011, 41, 1800-1809.	1.3	7
7	Thomas precession and torque. <i>American Journal of Physics</i> , 2015, 83, 199-204.	0.7	7
8	Viscosity of solutions of dextrans with selected sweeteners. <i>European Food Research and Technology</i> , 2001, 213, 470-473.	3.3	6
9	Simple approach to relativistic spin dynamics. <i>American Journal of Physics</i> , 2011, 79, 1064-1067.	0.7	6
10	Lorentz-invariant three-vectors and alternative formulation of relativistic dynamics. <i>American Journal of Physics</i> , 2010, 78, 294-299.	0.7	5
11	A Way To Discover Maxwell's Equations Theoretically. <i>Foundations of Physics Letters</i> , 2006, 19, 337-351.	0.6	4
12	Auxin concentration control of the average DNA content in cells of in vitro cultures: a theoretical model and comparison to experimental data for <i>Allium cepa</i> and <i>Allium sativum</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 95, 89-99.	2.3	4
13	Comment on "The Thomas rotation," by John P. Costella et al. [ <i>Am. J. Phys.</i> 69 (8), 837-847 (2001)]. <i>American Journal of Physics</i> , 2002, 70, 1163-1165.	0.7	3
14	Dependence of pea root mass distribution on weather conditions under varying levels of phosphorus application. <i>International Agrophysics</i> , 2018, 32, 365-372.	1.7	3
15	Reducing Maxwell's Equations to Gauss's Law.. <i>Physics Essays</i> , 2006, 19, 434-445.	0.4	3
16	Does indeterminism really yield the time arrow? A comment on A.C. Elitzur and S. Dolev [ <i>Phys. Lett. A</i> 251 (1999) 89]. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 266, 266-267.	2.1	2
17	Origin of the thermodynamic time arrow demonstrated in a realistic statistical system. <i>American Journal of Physics</i> , 2012, 80, 700-707.	0.7	2
18	Aspartame as a texturizing agent in foodstuffs. <i>European Food Research and Technology</i> , 2001, 212, 369-373.	3.3	1

#	ARTICLE	IF	CITATIONS
19	Optimal Ski Jump. Physics Teacher, 2013, 51, 108-109.	0.3	1
20	Comment on "The pedagogical value of the four-dimensional picture: I. Relativistic mechanics of point particles". European Journal of Physics, 2015, 36, 048002.	0.6	1
21	Comment on "Why does a ball fall?: A new visualization for Einstein's model of gravity" [Am. J. Phys. 84, 396-402 (2016)]. American Journal of Physics, 2017, 85, 66-67.	0.7	1
22	Reducing Maxwell's Equations to Gauss's Law. Physics Essays, 2006, 19, 434-445.	0.4	1
23	Comment on "The ambiguity of random choices: Probability paradoxes in some physical processes," by L. Basano and P. Ottonello [Am. J. Phys. 64 (1), 34-39 (1996)]. American Journal of Physics, 2002, 70, 862-863.	0.7	0
24	On the Unnikrishnan Resolution of the EPR Puzzle. Foundations of Physics Letters, 2004, 17, 277-286.	0.6	0
25	Comment on "Light-induced atomic desorption and diffusion of Rb from porous alumina". Physical Review A, 2010, 82, .	2.5	0
26	Publisher's Note: Comment on "Light-induced atomic desorption and diffusion of Rb from porous alumina" [Phys. Rev. A82, 056901 (2010)]. Physical Review A, 2012, 85, .	2.5	0
27	Subtleties of the Thomas precession. European Journal of Physics, 2015, 36, 045007.	0.6	0
28	An interplay between the zero-work forces and work. European Journal of Physics, 2017, 38, 035004.	0.6	0
29	A puzzle of the store security tag. European Journal of Physics, 2018, 39, 055006.	0.6	0
30	A straightforward method for deriving the Fermi-Walker transport law. European Journal of Physics, 2019, 40, 025605.	0.6	0