

# Ugo Besson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6246561/publications.pdf>

Version: 2024-02-01

19  
papers

320  
citations

840776

11  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Teaching Energy Concepts by Working on Themes of Cultural and Environmental Value. Science and Education, 2014, 23, 1309.	2.7	7
2	Teaching About Thermal Phenomena and Thermodynamics: The Contribution of the History and Philosophy of Science. , 2014, , 245-283.		5
3	Historical Scientific Models and Theories as Resources for Learning and Teaching: The Case of Friction. Science and Education, 2013, 22, 1001-1042.	2.7	11
4	The History of the Cooling Law: When the Search for Simplicity can be an Obstacle. Science and Education, 2012, 21, 1085-1110.	2.7	34
5	The cooling law and the search for a good temperature scale, from Newton to Dalton. European Journal of Physics, 2011, 32, 343-354.	0.6	9
6	Calculating and Understanding: Formal Models and Causal Explanations in Science, Common Reasoning and Physics Teaching. Science and Education, 2010, 19, 225-257.	2.7	19
7	Studying the physical basis of global warming: thermal effects of the interaction between radiation and matter and greenhouse effect. European Journal of Physics, 2010, 31, 375-388.	0.6	22
8	Cooling and warming laws: an exact analytical solution. European Journal of Physics, 2010, 31, 1107-1121.	0.6	15
9	A Threeâ€Dimensional Approach and Open Source Structure for the Design and Experimentation of Teachingâ€Learning Sequences: The case of friction. International Journal of Science Education, 2010, 32, 1289-1313.	1.9	19
10	How to teach friction: Experiments and models. American Journal of Physics, 2007, 75, 1106-1113.	0.7	48
11	How does weight depend on mountain altitude?. European Journal of Physics, 2006, 27, 743-753.	0.6	1
12	Do things weigh more or less in the mountains?. Physics Education, 2006, 41, 391-399.	0.5	1
13	Students' conceptions of fluids. International Journal of Science Education, 2004, 26, 1683-1714.	1.9	31
14	Some features of causal reasoning: common sense and physics teaching. Research in Science and Technological Education, 2004, 22, 113-124.	2.5	11
15	Using models at the mesoscopic scale in teaching physics: two experimental interventions in solid friction and fluid statics. International Journal of Science Education, 2004, 26, 1083-1110.	1.9	41
16	The distinction between heat and work: an approach based on a classical mechanical model. European Journal of Physics, 2003, 24, 245-252.	0.6	13
17	Pressure in fluids in the presence of gravity. , 2003, , 75-120.		2
18	A Mesoscopic Model of Liquids for Teaching Fluid Statics. , 2003, , 221-229.		3

#	ARTICLE	IF	CITATIONS
19	Work and energy in the presence of friction: the need for a mesoscopic analysis. European Journal of Physics, 2001, 22, 613-622.	0.6	28