

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 | How to teach friction: Experiments and models. American Journal of Physics, 2007, 75, 1106-1113. | 0.7 | 48 |
| 2 | 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 |
| 3 | 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 |
| 4 | Students' conceptions of fluids. International Journal of Science Education, 2004, 26, 1683-1714. | 1.9 | 31 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | A Three-dimensional Approach and Open Source Structure for the Design and Experimentation of Teaching Learning Sequences: The case of friction. International Journal of Science Education, 2010, 32, 1289-1313. | 1.9 | 19 |
| 9 | Cooling and warming laws: an exact analytical solution. European Journal of Physics, 2010, 31, 1107-1121. | 0.6 | 15 |
| 10 | 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 |
| 11 | Some features of causal reasoning: common sense and physics teaching. Research in Science and Technological Education, 2004, 22, 113-124. | 2.5 | 11 |
| 12 | 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 |
| 13 | 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 |
| 14 | Teaching Energy Concepts by Working on Themes of Cultural and Environmental Value. Science and Education, 2014, 23, 1309. | 2.7 | 7 |
| 15 | Teaching About Thermal Phenomena and Thermodynamics: The Contribution of the History and Philosophy of Science. , 2014, , 245-283. | | 5 |
| 16 | A Mesoscopic Model of Liquids for Teaching Fluid Statics. , 2003, , 221-229. | | 3 |
| 17 | Pressure in fluids in the presence of gravity. , 2003, , 75-120. | | 2 |
| 18 | How does weight depend on mountain altitude?. European Journal of Physics, 2006, 27, 743-753. | 0.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Do things weigh more or less in the mountains?. Physics Education, 2006, 41, 391-399. | 0.5 | 1 |