

# John Clement

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10965122/publications.pdf>

Version: 2024-02-01

20  
papers

2,845  
citations

687363

13  
h-index

1058476

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Students'™ preconceptions in introductory mechanics. American Journal of Physics, 1982, 50, 66-71.	0.7	906
2	Using bridging analogies and anchoring intuitions to deal with students' preconceptions in physics. Journal of Research in Science Teaching, 1993, 30, 1241-1257.	3.3	398
3	Not all preconceptions are misconceptions: finding "anchoring conceptions"™ for grounding instruction on students'™ intuitions. International Journal of Science Education, 1989, 11, 554-565.	1.9	293
4	Overcoming misconceptions via analogical reasoning: abstract transfer versus explanatory model construction. Instructional Science, 1989, 18, 237-261.	2.0	279
5	Model based learning as a key research area for science education. International Journal of Science Education, 2000, 22, 1041-1053.	1.9	251
6	Learning via Model Construction and Criticism. , 1989, , 341-381.		164
7	Observed Methods for Generating Analogies in Scientific Problem Solving. Cognitive Science, 1988, 12, 563-586.	1.7	128
8	Translation Difficulties in Learning Mathematics. American Mathematical Monthly, 1981, 88, 286-290.	0.3	119
9	Use of a computer simulation to develop mental simulations for understanding relative motion concepts. International Journal of Science Education, 1999, 21, 921-944.	1.9	80
10	Genius is not immune to persistent misconceptions: conceptual difficulties impeding Isaac Newton and contemporary physics students. International Journal of Science Education, 1990, 12, 265-273.	1.9	46
11	The Role of Extreme Case Reasoning in Instruction for Conceptual Change. Journal of the Learning Sciences, 1997, 6, 61-89.	2.9	37
12	An Analogy-Based Computer Tutor for Remediating Physics Misconceptions. Interactive Learning Environments, 1990, 1, 79-101.	6.4	26
13	Title is missing!. Journal of Science Education and Technology, 2000, 9, 311-325.	3.9	23
14	Identifying Multiple Levels of Discussion-Based Teaching Strategies for Constructing Scientific Models. International Journal of Science Education, 2015, 37, 82-107.	1.9	21
15	An Instructional Model Derived from Model Construction and Criticism Theory. , 2008, , 23-43.		18
16	Using Analogies in Science Teaching and Curriculum Design: Some Guidelines. , 2008, , 215-231.		11
17	Role of Discrepant Questioning Leading to Model Element Modification. Journal of Science Teacher Education, 2009, 20, 95-111.	2.5	10
18	A Competition Strategy and Other Modes for Developing Mental Models in Large Group Discussion. , 2008, , 117-138.		9

#	ARTICLE	IF	CITATIONS
19	Six Levels of Organization for Curriculum Design and Teaching. , 2008, , 255-272.		8
20	Imagistic Simulation and Physical Intuition in Expert Problem Solving. , 2019, , 201-206.		6