

CITATION REPORT

List of articles citing

Problem-Based Learning (PBL) and Student Interest in STEM Careers: The Roles of Motivation and Ability Beliefs

DOI: 10.3390/educsci7040092
Education Sciences, 2017, 7, 92.

Source: <https://exaly.com/paper-pdf/68381528/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
77	A Virtual Resource for Enhancing the Spatial Comprehension of Crystal Lattices. <i>Education Sciences</i> , 2018 , 8, 153	2.2	17
76	Educating the Future of Science and Medicine. <i>Veterinary Sciences</i> , 2018 , 5,	2.4	1
75	Reinforcing Scientific Skills Based on Laboratory for Pre-Service Physics Teacher by Measurement System Understanding. <i>Journal of Physics: Conference Series</i> , 2019 , 1171, 012049	0.3	
74	Social Foundations of Problem-Based Learning. 2019 , 51-79		3
73	Integrating Science, Technology, Engineering and Mathematics contents through PBL in an Industrial Engineering and Management first year program. <i>Production</i> , 2019 , 29,	1.3	7
72	Propensity Score Analysis of the Impacts of Junior Secondary Students' Participation in Engineering Practices on their Attitudes toward Engineering. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2019 , 15,	1.6	1
71	Curriculum Design in Construction Engineering Departments for Colleges in Taiwan. <i>Education Sciences</i> , 2019 , 9, 65	2.2	7
70	Short CFD Simulation Activities in the Context of Fluid-Mechanical Learning in a Multidisciplinary Student Body. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4809	2.6	4
69	Motivating Future Engineers: Building Situation Sensing Mars Rover with Elementary School Students. 2019 ,		2
68	. 2019 ,		4
67	The Enhancement of Academic Performance in Online Environments. <i>Mathematics</i> , 2019 , 7, 1219	2.3	1
66	Principles of problem-based learning for training and professional practice in ecotoxicology. <i>Science of the Total Environment</i> , 2020 , 702, 134809	10.2	4
65	Reducing Racial and Gender Gaps in Mathematics Attitudes: Investigating the Use of Instructional Strategies in Inclusive STEM High Schools. <i>Journal for STEM Education Research</i> , 2020 , 3, 125-146	1.3	2
64	Attitudinal impediments to geology major recruitment among ninth graders at a STEM high school. <i>Journal of Geoscience Education</i> , 2020 , 68, 237-253	1.8	1
63	Entrepreneurship Education and Students' Entrepreneurial Intention in Higher Education. <i>Education Sciences</i> , 2020 , 10, 257	2.2	9
62	Developing and Validating a Scale of STEM Project-Based Learning Experience. <i>Research in Science Education</i> , 2020 , 1	1.5	1
61	STEM Learning and its Barrier in Schools: The Case of Biology Teachers in Malang City. <i>Journal of Physics: Conference Series</i> , 2020 , 1563, 012042	0.3	1

60	Mediating roles of ability beliefs and intrinsic motivation in PBL and engagement in practical skills relations among electrical/electronic education undergraduate. <i>Innovations in Education and Teaching International</i> , 2020 , 1-11	1.3	9
59	iPlus a User-Centered Methodology for Serious Games Design. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 9007	2.6	3
58	Evaluation of an interactive educational system in urban knowledge acquisition and representation based on students' profiles. <i>Expert Systems</i> , 2020 , 37, e12570	2.1	10
57	An Experiential Online Training Approach for Underrepresented Engineering and Technology Students. <i>Education Sciences</i> , 2020 , 10, 46	2.2	1
56	Quality improvement of guiding online-first field practice training through use of reflective essay and lesson study. <i>Journal of Physics: Conference Series</i> , 2021 , 1760, 012054	0.3	
55	Gamified Active Learning and Its Potential for Social Change. 2021 , 205-223		2
54	Teaching Social Justice Through Project-Based Learning in Engineering. 2021 , 97-124		
53	Problem Based Learning using Open Educational Resources to enhance Higher Order Thinking Skills in Physics Learning. <i>Journal of Physics: Conference Series</i> , 2021 , 1783, 012108	0.3	
52	When I Believe, I Can: Success STEMs from My Perceptions. <i>Canadian Journal of Science, Mathematics and Technology Education</i> , 2021 , 21, 67-85	0.6	2
51	Designing and implementing a STEM career maturity program for prospective counselors. <i>International Journal of STEM Education</i> , 2021 , 8,	4	2
50	The Building of Students' Problem Solving Skills through STEM Approach with Virtual Simulation Media. <i>Journal of Physics: Conference Series</i> , 2021 , 1842, 012073	0.3	0
49	Geology and Environment: A Problem-Based Learning Study in Higher Education. <i>Geosciences (Switzerland)</i> , 2021 , 11, 173	2.7	0
48	Perceived Usefulness, Perceived Ease of Use in ICT Support and Use for Teachers. <i>IETE Journal of Education Online</i> , 1-9	0.3	2
47	PBL Teaching Method in Biochemistry Teaching. 2021 ,		
46	Reform of Public Physical Education Teaching Mode in Colleges and Universities Based on PBL Teaching Concept. 2021 ,		1
45	The increase of students' critical thinking abilities on optical instrument topic through pbl-stem with virtual simulation media. <i>Journal of Physics: Conference Series</i> , 2021 , 1918, 052067	0.3	1
44	The Mediating Effect of Ownership of Psychological Behavior and Tour Leader Experience on Accountability in Order to Explore the Sustainable Business Model of the Tourism Industry. <i>Sustainability</i> , 2021 , 13, 7136	3.6	1
43	Implementation of problem based learning to improve students' understanding of systems of linear equations in three variables. <i>Journal of Physics: Conference Series</i> , 2021 , 1918, 042055	0.3	

42	Students as Designers of Augmented Reality: Impact on Learning and Motivation in Computer Science. <i>Multimodal Technologies and Interaction</i> , 2021 , 5, 41	1.7	2
41	Addressing Collaboration Challenges in Project-Based Learning: The Student's Perspective. <i>Education Sciences</i> , 2021 , 11, 434	2.2	3
40	UPPER-SECONDARY SCHOOL SCIENCE TEACHERS' PERCEPTIONS OF THE INTEGRATING MECHANISMS AND IMPORTANCE OF STEM EDUCATION. <i>Journal of Baltic Science Education</i> , 2021 , 20, 546-557	1	1
39	Perusing the Past to Propel the Future: A Systematic Review of STEM Learning Activity Based on Activity Theory. <i>Sustainability</i> , 2021 , 13, 8828	3.6	3
38	Problem-based learning in live online classes: Learning achievement, problem-solving skill, communication skill, and interaction. <i>Computers and Education</i> , 2021 , 171, 104237	9.5	10
37	On the Importance of the Design of Virtual Reality Learning Environments. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 146-152	0.4	5
36	Extending the Applicability of Stirling's Method. <i>Mathematics</i> , 2020 , 8, 35	2.3	2
35	Effects of Online Problem-Solving Instruction and Identification Attitude Toward Instructional Strategies on Students' Creativity. <i>Frontiers in Psychology</i> , 2021 , 12, 771128	3.4	0
34	Validation of the Questionnaire of Students' Attitudes toward STEM-PBL: Can Students' Attitude toward STEM-PBL Predict their Academic Achievement?. <i>Psychology</i> , 2019 , 10, 213-234	0.5	0
33	The Effect of STEM-EDP in Professional Learning on Automotive Engineering Competence in Vocational High School. <i>Journal for the Education of Gifted Young Scientists</i> , 2020 , 8, 633-649	0.9	3
32	Development and Technical Experience of Plastic Injection Machine for STEAM Education. <i>Lecture Notes in Computer Science</i> , 2020 , 215-230	0.9	
31	Impact of Dynamic Community Partnerships on STEM Education of Students of Color. <i>Advances in Educational Marketing, Administration, and Leadership Book Series</i> , 2020 , 211-243	0.1	
30	Effects of Engineering Design Process on Science and Mathematics. 2020 ,		2
29	Unpacking Dispositions in the CC2020 Computing Curriculum Overview Report. 2020 ,		0
28	Incorporating Team-Based Learning into a Fluid Mechanics Module: First Insights. 2021 ,		
27	Using Digital Games to Promote Equity in Career and Health Education: A Prototype of Caduceus Quest. <i>Urban Education</i> , 004208592110738	1.4	
26	STEM Professional Development Activities and Their Impact on Teacher Knowledge and Instructional Practices. <i>Mathematics</i> , 2022 , 10, 1109	2.3	1
25	Can a Science, Technology, Engineering, and Mathematics (STEM) Approach Enhance Students' Mathematics Performance?. <i>Sustainability</i> , 2022 , 14, 379	3.6	1

24	Study of STEM for Sustainability in Design Education: Framework for Student Learning and Outcomes with Design for a Disaster Project. <i>Sustainability</i> , 2022 , 14, 312	3.6	1
23	I WAS TOLD THERE WOULD BE NO MATH: MARKETING STUDENTS' MISCONCEPTIONS OF THE CAREER FIELD IMPEDE ENROLLMENT INTEREST IN QUANTITATIVE COURSES. <i>Marketing Education Review</i> , 1-12	0.8	2
22	Connecting Students' Interests to a Learning Context: The Case of Ecosystem Services in STEM Education. <i>Education Sciences</i> , 2022 , 12, 318	2.2	1
21	An Assessment of Junior High School Students' Knowledge, Creativity, and Hands-On Performance Using PBL via Cognitive-Affective Interaction Model to Achieve STEAM. <i>Sustainability</i> , 2022 , 14, 5582	3.6	
20	Assessing students' critical thinking skills viewed from cognitive style: Study on implementation of problem-based e-learning model in mathematics courses. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2022 , 18, em2129	1.6	0
19	STEM education in the context of improving the science and mathematics literacy of pupils. <i>Journal of Physics: Conference Series</i> , 2022 , 2288, 012031	0.3	
18	Supporting Students' Science Content Knowledge and Motivation through Project-Based Inquiry (PBI) Global in a Cross-School Collaboration. <i>Education Sciences</i> , 2022 , 12, 412	2.2	1
17	Gender-Related Differences for Subject Interest and Academic Emotions for STEM Subjects among Swedish Upper Secondary School Students. 2022 , 12, 553		
16	Consider HACKS when designing hackathon challenges: Hook, action, collaborative knowledge sharing. 7,		0
15	A study of students' learning perceptions and behaviors in remote STEM programming education. 13,		0
14	Lembar Kerja Peserta Didik Digital Berbasis PBL pada Muatan IPA Sekolah Dasar. 2022 , 10, 155-163		0
13	The Impact of the 5E Learning Cycle Model Based on the STEM Approach on Scientific Attitudes and Science Learning Outcomes. 2022 , 10, 300-307		0
12	Infusing Mindset through Mathematical Problem Solving and Collaboration: Studying the Impact of a Short College Intervention. 2022 , 12, 694		1
11	Effect of problem-based learning on students' attitude towards learning physics: a cohort study. 11, 1240		0
10	Problem-Based Learning and Technology: Impact on Preservice Teachers' Motivational Orientations. 2022 , 123-141		0
9	Teaching Control Theory: A Selection of Methodology Based on Learning Styles. 2022 , 89, 9-17		0
8	Instructional Efficiency of STEM Approach in Biology Teaching in Primary School in Serbia. 2022 , 14, 16416		0
7	STEM project-based activity: bio-efficacy of microalgae. 1-19		0

- 6 Implementation of ICT literacy in STEAM project learning for measuring students' interest and motivation. **2023**,
- 5 Dampak Pembelajaran Berbasis Masalah Berbasis Aktivitas terhadap Keterampilan Berpikir Kritis dan Hasil Belajar bagi Pengembangan Konsep-Konsep Dasar IPA. **2023**, 27, 511-521
- 4 Exploring the role of motivation in STEM education: A systematic review. **2023**, 19, em2250
- 3 Development of Spatial Abilities of Preadolescents: What Works?. **2023**, 13, 312
- 2 Impacts of integrating engineering design process into STEM makerspace on renewable energy unit to foster students' system thinking skills. **2023**, 9, e15100
- 1 Secondary School Students' Interest in STEM Careers in Qatar. **2023**, 13, 369