Miri Barak

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6107323/publications.pdf

Version: 2024-02-01

47	2,342	236925 25	276875 41
papers	citations	h-index	g-index

47	47	47	1525
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Motivation to learn in massive open online courses: Examining aspects of language and social engagement. Computers and Education, 2016, 94, 49-60.	8.3	249
2	Enhancing undergraduate students' chemistry understanding through project-based learning in an IT environment. Science Education, 2005, 89, 117-139.	3.0	203
3	Wireless Laptops as Means For Promoting Active Learning In Large Lecture Halls. Journal of Research on Technology in Education, 2006, 38, 245-263.	6.5	167
4	On-line question-posing and peer-assessment as means for web-based knowledge sharing in learning. International Journal of Human Computer Studies, 2004, 61, 84-103.	5.6	134
5	Motivating factors of MOOC completers: Comparing between university-affiliated students and general participants. Internet and Higher Education, 2018, 37, 11-20.	6.5	116
6	Learning science via animated movies: Its effect on studentsâ€™ thinking and motivation. Computers and Education, 2011, 56, 839-846.	8.3	114
7	Science Teacher Education in the Twenty-First Century: a Pedagogical Framework for Technology-Integrated Social Constructivism. Research in Science Education, 2017, 47, 283-303.	2.3	107
8	Transition from traditional to ICT-enhanced learning environments in undergraduate chemistry courses. Computers and Education, 2007, 48, 30-43.	8.3	99
9	A Web-Based Chemistry Course as a Means To Foster Freshmen Learning. Journal of Chemical Education, 2003, 80, 1084.	2.3	91
10	Are digital natives open to change? Examining flexible thinking and resistance to change. Computers and Education, 2018, 121, 115-123.	8.3	82
11	QSIA â€“ a Web-based environment for learning, assessing and knowledge sharing in communities. Computers and Education, 2004, 43, 273-289.	8.3	80
12	Enhancing Higher Order Thinking Skills Among Inservice Science Teachers Via Embedded Assessment. Journal of Science Teacher Education, 2009, 20, 459-474.	2.5	76
13	Flexible thinking in learning: An individual differences measure for learning in technology-enhanced environments. Computers and Education, 2016, 99, 39-52.	8.3	72
14	Wandering: A Web-based platform for the creation of location-based interactive learning objects. Computers and Education, 2013, 62, 159-170.	8.3	67
15	Peer assessment in a project-based engineering course: comparing between on-campus and online learning environments. Assessment and Evaluation in Higher Education, 2018, 43, 745-759.	5.6	61
16	Closing the Gap Between Attitudes and Perceptions About ICT-Enhanced Learning Among Pre-service STEM Teachers. Journal of Science Education and Technology, 2014, 23, 1-14.	3.9	60
17	MOSAICA: A web-2.0 based system for the preservation and presentation of cultural heritage. Computers and Education, 2009, 53, 841-852.	8.3	53
18	On-campus or online: examining self-regulation and cognitive transfer skills in different learning settings. International Journal of Educational Technology in Higher Education, 2016, 13, .	7.6	53

#	Article	IF	Citations
19	Team diversity as a predictor of innovation in team projects of face-to-face and online learners. Computers and Education, 2020, 144, 103702.	8.3	45
20	Science Education in Primary Schools: Is an Animation Worth a Thousand Pictures?. Journal of Science Education and Technology, 2011, 20, 608-620.	3.9	44
21	Integrating Model-Based Learning and Animations for Enhancing Studentsâ€™ Understanding of Proteins Structure and Function. Research in Science Education, 2013, 43, 619-636.	2.3	37
22	Transforming an Introductory Programming Course: From Lectures to Active Learning via Wireless Laptops. Journal of Science Education and Technology, 2007, 16, 325-336.	3.9	33
23	A cultural perspective to project-based learning and the cultivation of innovative thinking. Thinking Skills and Creativity, 2021, 39, 100766.	3.5	30
24	A model of flexible thinking in contemporary education. Thinking Skills and Creativity, 2016, 22, 74-85.	3.5	29
25	Studio-based learning via wireless notebooks: a case of a Java programming course. International Journal of Mobile Learning and Organisation, 2007, 1, 15.	0.3	27
26	The innovation profile of nanotechnology team projects of face-to-face and online learners. Computers and Education, 2019, 137, 1-11.	8.3	27
27	Establishing the validity and reliability of a modified tool for assessing innovative thinking of engineering students. Assessment and Evaluation in Higher Education, 2020, 45, 212-223.	5.6	24
28	Cloud Pedagogy: Utilizing Web-Based Technologies for the Promotion of Social Constructivist Learning in Science Teacher Preparation Courses. Journal of Science Education and Technology, 2017, 26, 459-469.	3.9	20
29	Online vs. on-campus higher education: Exploring innovation in students' self-reports and students' learning products. Thinking Skills and Creativity, 2021, 42, 100965.	3.5	15
30	AugmentedWorld: Facilitating the creation of location-based questions. Computers and Education, 2018, 121, 89-99.	8.3	13
31	Novice Researchersâ€™ Views About Online Ethics Education and the Instructional Design Components that May Foster Ethical Practice. Science and Engineering Ethics, 2020, 26, 1403-1421.	2.9	13
32	Distance education: towards an organizational and cultural change in higher education. Journal of Enterprising Communities, 2012, 6, 124-137.	2.5	12
33	The innovation level of engineering studentsâ€™ team projects in hybrid and MOOC environments. European Journal of Engineering Education, 2022, 47, 299-313.	2.3	9
34	Studentsâ€™ Innovative Thinking and Their Perceptions About the Ideal Learning Environment. Springer Proceedings in Complexity, 2014, , 111-125.	0.3	9
35	Lifelong Learning at the Technion: Graduate Studentsâ€™ Perceptions of and Experiences in Distance Learning. Interdisciplinary Journal of E-Skills and Lifelong Learning, 0, 8, 115-135.	0.0	9
36	Applying a Social Constructivist Approach to an Online Course on Ethics of Research. Science and Engineering Ethics, 2021, 27, 8.	2.9	8

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37	An integrative conceptual model of innovation and innovative thinking based on a synthesis of a literature review. Thinking Skills and Creativity, 2021, 40, 100824.	3.5	8
38	The "Chemistry Is in the News" Project: Can a Workshop Induce a Pedagogical Change?. Journal of Chemical Education, 2007, 84, 1712.	2.3	7
39	Making the Unseen Seen: Integrating 3D Molecular Visualizations in Elementary, High School, and Higher Education. ACS Symposium Series, 2013, , 273-291.	0.5	7
40	Teacher's withdrawal behavior: examining the impact of principals' innovative behavior and climate of organizational learning. International Journal of Educational Management, 2020, 34, 1339-1355.	1.5	7
41	The validity and reliability of a tool for measuring educational innovative thinking competencies. Teaching and Teacher Education, 2021, 97, 103193.	3.2	6
42	Innovation in a MOOC: Project-Based Learning in the International Context. , 2020, , 639-653.		6
43	Project-Based MOOC. Advances in Educational Technologies and Instructional Design Book Series, 2017, , 282-307.	0.2	6
44	Location-Based Learning and Its Effect on Studentsâ€™ Understanding of Newtonâ€™s Laws of Motion. Journal of Science Education and Technology, 2022, 31, 403-413.	3.9	3
45	Reflective Drawings as Means for Depicting ICTS Roles in Science and Engineering Learning in the 21st Century. , 2017, , 31-40.		2
46	AugmentedWorld. , 2019, , 141-159.		2
47	The use of visual semantic web for designing virtual expeditions. International Journal of Learning Technology, 2012, 7, 297.	0.2	0