

# Antonija Mitrovic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7629489/publications.pdf>

Version: 2024-02-01

69  
papers

1,556  
citations

361413

20  
h-index

361022

35  
g-index

74  
all docs

74  
docs citations

74  
times ranked

937  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Augmented Reality Training for Motherboard Assembly. International Journal of Artificial Intelligence in Education, 2015, 25, 157-172.	5.5	181
2	Using Evaluation to Shape ITS Design: Results and Experiences with SQL-Tutor. User Modeling and User-Adapted Interaction, 2002, 12, 243-279.	3.8	92
3	Supporting collaborative learning and problem-solving in a constraint-based CSCL environment for UML class diagrams. International Journal of Computer-Supported Collaborative Learning, 2007, 2, 159-190.	3.0	92
4	Intelligent Tutors for All: The Constraint-Based Approach. IEEE Intelligent Systems, 2007, 22, 38-45.	4.0	86
5	Fifteen years of constraint-based tutors: what we have achieved and where we are going. User Modeling and User-Adapted Interaction, 2012, 22, 39-72.	3.8	71
6	The effect of positive feedback in a constraint-based intelligent tutoring system. Computers and Education, 2013, 60, 264-272.	8.3	62
7	Evaluating and improving adaptive educational systems with learning curves. User Modeling and User-Adapted Interaction, 2011, 21, 249-283.	3.8	57
8	Evaluating the Effects of Open Student Models on Learning. Lecture Notes in Computer Science, 2002, , 296-305.	1.3	50
9	Experiences in Implementing Constraint-Based Modeling in SQL-Tutor. Lecture Notes in Computer Science, 1998, , 414-423.	1.3	46
10	KERMIT: A Constraint-Based Tutor for Database Modeling. Lecture Notes in Computer Science, 2002, , 377-387.	1.3	44
11	Towards Emotionally-Intelligent Pedagogical Agents. Lecture Notes in Computer Science, 2008, , 19-28.	1.3	36
12	Learning SQL with a computerized tutor. , 1998, , .		33
13	Intelligent Augmented Reality Training for Assembly Tasks. Lecture Notes in Computer Science, 2013, , 542-551.	1.3	33
14	Supporting Learning by Opening the Student Model. Lecture Notes in Computer Science, 2002, , 453-462.	1.3	33
15	Automated Defect Detection and Decision-Support in Gas Turbine Blade Inspection. Aerospace, 2021, 8, 30.	2.2	28
16	Learning SQL with a computerized tutor. SIGCSE Bulletin, 1998, 30, 307-311.	0.1	26
17	Detecting Gaming the System in Constraint-Based Tutors. Lecture Notes in Computer Science, 2010, , 267-278.	1.3	26
18	Do Your Eyes Give It Away? Using Eye Tracking Data to Understand Students' Attitudes towards Open Student Model Representations. Lecture Notes in Computer Science, 2012, , 422-427.	1.3	26

#	ARTICLE	IF	CITATIONS
19	Evaluating an Animated Pedagogical Agent. Lecture Notes in Computer Science, 2000, , 73-82.	1.3	25
20	Learning with intelligent tutors and worked examples: selecting learning activities adaptively leads to better learning outcomes than a fixed curriculum. User Modeling and User-Adapted Interaction, 2016, 26, 459-491.	3.8	22
21	Using Learning Analytics to Devise Interactive Personalised Nudges for Active Video Watching. , 2017, , .		20
22	Supporting Constructive Video-Based Learning: Requirements Elicitation from Exploratory Studies. Lecture Notes in Computer Science, 2017, , 224-237.	1.3	19
23	Facilitating deep learning through self-explanation in an open-ended domain. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2006, 10, 3-19.	1.0	18
24	INSTRUCT: Modeling students by asking questions. User Modeling and User-Adapted Interaction, 1996, 6, 273-302.	3.8	17
25	Using a Probabilistic Student Model to Control Problem Difficulty. Lecture Notes in Computer Science, 2000, , 524-533.	1.3	16
26	PRELIMINARY EVALUATION OF A NEGOTIABLE STUDENT MODEL IN A CONSTRAINT-BASED ITS. Research and Practice in Technology Enhanced Learning, 2010, 05, 19-33.	3.2	16
27	Constraint-based knowledge representation for individualized instruction. Computer Science and Information Systems, 2006, 3, 1-22.	1.0	15
28	Adaptive Problem Selection in a Mobile Python Tutor. , 2018, , .		14
29	Computer-based post-stroke rehabilitation of prospective memory.. Journal of Applied Research in Memory and Cognition, 2016, 5, 204-214.	1.1	13
30	Learning From Worked Examples, Erroneous Examples, and Problem Solving: Toward Adaptive Selection of Learning Activities. IEEE Transactions on Learning Technologies, 2020, 13, 135-149.	3.2	13
31	Assessment of the Effect of Cleanliness on the Visual Inspection of Aircraft Engine Blades: An Eye Tracking Study. Sensors, 2021, 21, 6135.	3.8	13
32	Automatic Problem Generation in Constraint-Based Tutors. Lecture Notes in Computer Science, 2002, , 388-398.	1.3	13
33	Examples and Tutored Problems: How Can Self-Explanation Make a Difference to Learning?. Lecture Notes in Computer Science, 2013, , 339-348.	1.3	13
34	A Virtual Reality Environment for Rehabilitation of Prospective Memory in Stroke Patients. Procedia Computer Science, 2016, 96, 7-15.	2.0	11
35	A Constraint-Based Collaborative Environment for Learning UML Class Diagrams. Lecture Notes in Computer Science, 2006, , 176-186.	1.3	11
36	Adaptive Support versus Alternating Worked Examples and Tutored Problems: Which Leads to Better Learning?. Lecture Notes in Computer Science, 2014, , 171-182.	1.3	11

#	ARTICLE	IF	CITATIONS
37	Evaluating Adaptive Problem Selection. Lecture Notes in Computer Science, 2004, , 185-194.	1.3	11
38	Investigating the effect of nudges for improving comment quality in active video watching. Computers and Education, 2022, 176, 104340.	8.3	11
39	Bridging objects and relations: a mediator for an OO front-end to RDBMSs. Information and Software Technology, 1999, 41, 57-66.	4.4	10
40	Investigating the causal relationships between badges and learning outcomes in SQL-Tutor. Research and Practice in Technology Enhanced Learning, 2022, 17, .	3.2	10
41	Evaluation of Influence Factors on the Visual Inspection Performance of Aircraft Engine Blades. Aerospace, 2022, 9, 18.	2.2	10
42	Implementing CBM: SQL-Tutor After Fifteen Years. International Journal of Artificial Intelligence in Education, 2016, 26, 150-159.	5.5	9
43	Evaluation of Parsons Problems with Menu-Based Self-Explanation Prompts in a Mobile Python Tutor. International Journal of Artificial Intelligence in Education, 2019, 29, 507-535.	5.5	9
44	Teaching Database Design with Constraint-Based Tutors. International Journal of Artificial Intelligence in Education, 2016, 26, 448-456.	5.5	8
45	WETAS: A Web-Based Authoring System for Constraint-Based ITS. Lecture Notes in Computer Science, 2002, , 543-546.	1.3	8
46	Characterizing Comment Types and Levels of Engagement in Video-Based Learning as a Basis for Adaptive Nudging. Lecture Notes in Computer Science, 2019, , 362-376.	1.3	8
47	Effect of Non-mandatory Use of an Intelligent Tutoring System on Studentsâ€™ Learning. Lecture Notes in Computer Science, 2020, , 386-397.	1.3	8
48	Learning with Engaging Activities via a Mobile Python Tutor. Lecture Notes in Computer Science, 2017, , 613-616.	1.3	8
49	Comparison of Visual and Visualâ€™Tactile Inspection of Aircraft Engine Blades. Aerospace, 2021, 8, 313.	2.2	8
50	Thermo-Tutor: An Intelligent Tutoring System for thermodynamics. , 2011, , .		7
51	Eye Tracking and Studying Examples: How Novices and Advanced Learners Study SQL Examples. Journal of Computing and Information Technology, 2015, 23, 171.	0.3	7
52	Large-Scale Deployment of Three Intelligent Web-based Database Tutors. Journal of Computing and Information Technology, 2006, 14, 275.	0.3	7
53	Choice Architecture for Nudges to Support Constructive Learning in Active Video Watching. International Journal of Artificial Intelligence in Education, 0, , 1.	5.5	6
54	Scaffolding answer explanation in a data normalization tutor. Facta Universitatis - Series Electronics and Energetics, 2005, 18, 151-163.	0.9	6

#	ARTICLE	IF	CITATIONS
55	Interactive reconstructive student modeling: A machine learning approach. International Journal of Human-Computer Interaction, 1995, 7, 385-401.	4.8	5
56	Data calibration for statistical-based assessment in constraint-based tutors. Knowledge-Based Systems, 2016, 97, 11-23.	7.1	5
57	Investigating the Effectiveness of Menu-Based Self-explanation Prompts in a Mobile Python Tutor. Lecture Notes in Computer Science, 2017, , 498-501.	1.3	5
58	Facilitating Adaptive Tutorial Dialogues in EER-Tutor. Lecture Notes in Computer Science, 2011, , 630-631.	1.3	5
59	Evaluating a General Model of Adaptive Tutorial Dialogues. Lecture Notes in Computer Science, 2011, , 394-402.	1.3	5
60	Investigating student interactions with tutorial dialogues in EER-Tutor. Research and Practice in Technology Enhanced Learning, 2015, 10, 16.	3.2	4
61	Investigating the Effect of Agency on Learning from Worked Examples, Erroneous Examples and Problem Solving. International Journal of Artificial Intelligence in Education, 2019, 29, 396-424.	5.5	4
62	Discovering Differences in Learning Behaviours During Active Video Watching Using Epistemic Network Analysis. Communications in Computer and Information Science, 2022, , 362-377.	0.5	4
63	Investigating the effects of learning activities in a mobile Python tutor for targeting multiple coding skills. Research and Practice in Technology Enhanced Learning, 2018, 13, 23.	3.2	3
64	Using the Explicit User Profile to Predict User Engagement in Active Video Watching. , 2018, , .		3
65	An experiment in the application of similarity-based learning to programming by example. International Journal of Intelligent Systems, 1994, 9, 341-364.	5.7	2
66	Self-Regulation, Knowledge, Experience. , 2018, , .		2
67	Exploring Two Strategies for Teaching Procedures. Lecture Notes in Computer Science, 2012, , 499-504.	1.3	2
68	The Effect of Interaction Granularity on Learning with a Data Normalization Tutor. Lecture Notes in Computer Science, 2013, , 463-472.	1.3	2
69	Investigating Effects of Selecting Challenging Goals. Lecture Notes in Computer Science, 2021, , 349-354.	1.3	0