



Using Microsoft Academic in EPPI-Reviewer Web

**Online introductory webinar
23 July 2021**

Dr Melissa Bond

melissa.bond@ucl.ac.uk



@misc_nerd



@EPPIsupport

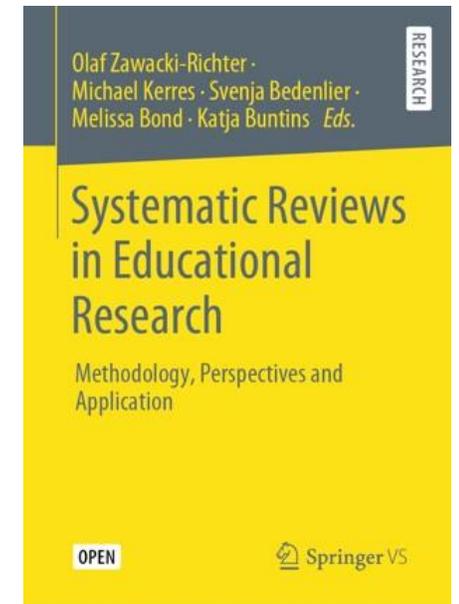


@EPPIReviewer4



Dr Melissa Bond

- Former high school teacher in South Australia (10 years)
- Research Associate (3 years, CvO Universität Oldenburg)
 - > [PhD](#), 2020: *'Facilitating student engagement through educational technology: Current research, practices and perspectives'*
- EPPI-Reviewer Support Officer (Feb 2020 onwards)
- Systematic & mapping [reviews](#)
 - [COVID-19 studies on teaching and learning in higher education](#)
 - [COVID-19 studies on teaching and learning in K-12](#)
 - [Artificial Intelligence in Higher Education](#)
 - [Student engagement and educational technology in higher education](#)
 - [Student engagement and the flipped learning approach \(K-12\)](#)
 - Editor of the open access book [Systematic Reviews in Educational Research](#)



Webinar outline

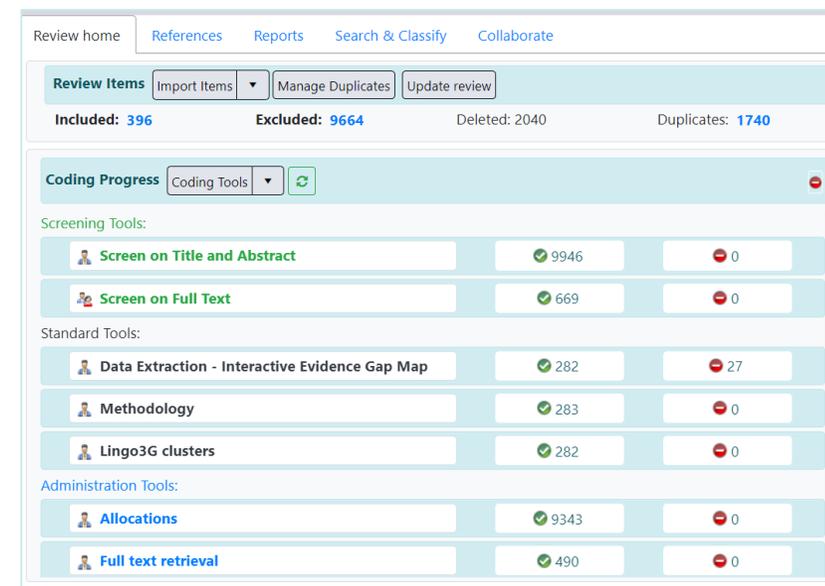
1. Quick info about EPPI-Reviewer Web and managing reviews
2. Matching items to MAG
3. Searching Microsoft Academic for a new review
4. Bringing a review up-to-date / Citation chasing
5. Keeping a review up-to-date – living reviews/maps
6. Further information
7. Discussion – Q & A time

EPPI-Reviewer evidence synthesis software was created to support the **methodological work** conducted at the EPPI-Centre.

- Web-based - accessed from any device with an internet connection.
- Developed for all types of systematic review.
- Designed for flexibility.

EPPI-Reviewer helps by:

- keeping your review process explicit and replicable
- enabling you to work with many others in one review
- keeping your data in one place
- helping with large screening loads through priority screening
- allowing the easy creation of interactive evidence gap maps
- enabling updates to your review, including through machine learning



<https://eppi.ioe.ac.uk/eppireviewer-web>

- Works with modern browsers (Firefox, Safari, Chrome).
- Works on web-enabled devices, e.g. smartphones and tablets.
- Uses the same data as EPPI-Reviewer 4.

EPPI-Reviewer Web (Beta)

Username:

Password:

Login
[Forgot Password?](#)

[Click here](#)
to Create your
Account.

Visit the [EPPI-Reviewer Gateway](#) for Account and Review Management, Documentation, Support and the RIS export utility.

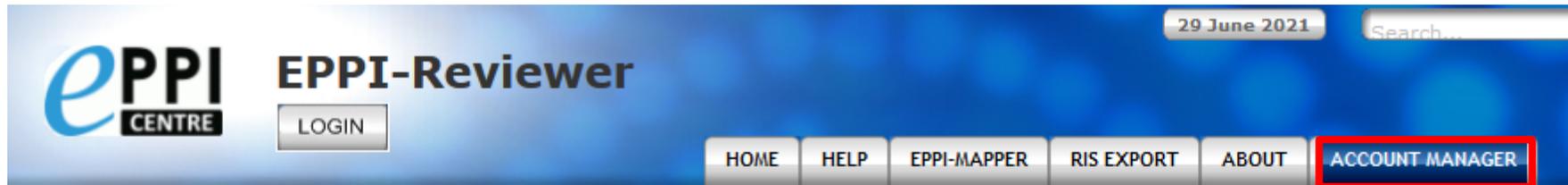
[Follow Us](#)
on [Twitter](#)

For Cochrane Authors: click [HERE](#) to login with your Cochrane account. [More info...](#)

Latest Changes: Version: 4.12.2.0 21 Jun 2021
 Version 4.12.2.0 is focussed on "reporting" features for EPPI-Reviewer Web: new "reports" tab (with Configurable Reports) and improved Frequencies/Crosstabs. Also included: improvements for EPPI-Visualiser.
[Read More...](#)

Review home															
References Reports Search & Classify Collaborate															
<div style="display: flex; justify-content: space-between; align-items: center;"> Review Items Import Items Manage Duplicates Update review </div>															
<div style="display: flex; justify-content: space-between; font-size: small;"> Included: 396 Excluded: 9664 Deleted: 2040 Duplicates: 1740 </div>															
<div style="display: flex; justify-content: space-between; align-items: center;"> Coding Progress Coding Tools ↻ ⊖ ⊕ </div>															
<p style="font-size: x-small; margin: 0;">Screening Tools:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> Screen on Title and Abstract</td> <td style="width: 15%; text-align: center; padding: 5px;">✔ 9946</td> <td style="width: 15%; text-align: center; padding: 5px;">⊖ 0</td> <td style="width: 10%;"></td> </tr> <tr> <td style="padding: 5px;"> Screen on Full Text</td> <td style="text-align: center; padding: 5px;">✔ 669</td> <td style="text-align: center; padding: 5px;">⊖ 0</td> <td></td> </tr> </table>				Screen on Title and Abstract	✔ 9946	⊖ 0		Screen on Full Text	✔ 669	⊖ 0					
Screen on Title and Abstract	✔ 9946	⊖ 0													
Screen on Full Text	✔ 669	⊖ 0													
<p style="font-size: x-small; margin: 0;">Standard Tools:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> Data Extraction - Interactive Evidence Gap Map</td> <td style="width: 15%; text-align: center; padding: 5px;">✔ 282</td> <td style="width: 15%; text-align: center; padding: 5px;">⊖ 27</td> <td style="width: 10%;"></td> </tr> <tr> <td style="padding: 5px;"> Methodology</td> <td style="text-align: center; padding: 5px;">✔ 283</td> <td style="text-align: center; padding: 5px;">⊖ 0</td> <td></td> </tr> <tr> <td style="padding: 5px;"> Lingo3G clusters</td> <td style="text-align: center; padding: 5px;">✔ 282</td> <td style="text-align: center; padding: 5px;">⊖ 0</td> <td></td> </tr> </table>				Data Extraction - Interactive Evidence Gap Map	✔ 282	⊖ 27		Methodology	✔ 283	⊖ 0		Lingo3G clusters	✔ 282	⊖ 0	
Data Extraction - Interactive Evidence Gap Map	✔ 282	⊖ 27													
Methodology	✔ 283	⊖ 0													
Lingo3G clusters	✔ 282	⊖ 0													
<p style="font-size: x-small; margin: 0;">Administration Tools:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> Allocations</td> <td style="width: 15%; text-align: center; padding: 5px;">✔ 9343</td> <td style="width: 15%; text-align: center; padding: 5px;">⊖ 0</td> <td style="width: 10%;"></td> </tr> <tr> <td style="padding: 5px;"> Full text retrieval</td> <td style="text-align: center; padding: 5px;">✔ 490</td> <td style="text-align: center; padding: 5px;">⊖ 0</td> <td></td> </tr> </table>				Allocations	✔ 9343	⊖ 0		Full text retrieval	✔ 490	⊖ 0					
Allocations	✔ 9343	⊖ 0													
Full text retrieval	✔ 490	⊖ 0													

- Based on same tech as Google Docs and Gmail.
- It is **still in development** – new functionalities appear regularly (roughly every 1-2 months).



Account Manager

Account and Review Manager

Status: Status: Normal.

If you already have an EPPI-Reviewer 4 account please click on **Login**.

Login Access an existing account

[Forgot your Password?](#) [Forgot your Username?](#) [Need to activate your account?](#)

If you do not have an EPPI-Reviewer 4 account you can create one by clicking on **New account**.

New account Create a new account

- Login using your EPPI-Reviewer username and password.
- Forgotten password and username facility.
- Create a new account.
- Activate your account.

In order to enable MAG for your review, you need to email us:
EPPISupport@ucl.ac.uk

Microsoft Academic Graph

K. Wang et al., "[A Review of Microsoft Academic Services for Science of Science Studies](#)", *Frontiers in Big Data*, 2019, doi:10.3389/fdata.2019.00045



~ 250 MILLION OA
BIBLIOGRAPHIC RECORDS
OF RESEARCH ARTICLES
ACROSS SCIENCE



AVAILABLE FOR 3RD PARTY
USE UNDER A CREATIVE
COMMONS LICENSE



UPDATED EVERY 7-10 DAYS



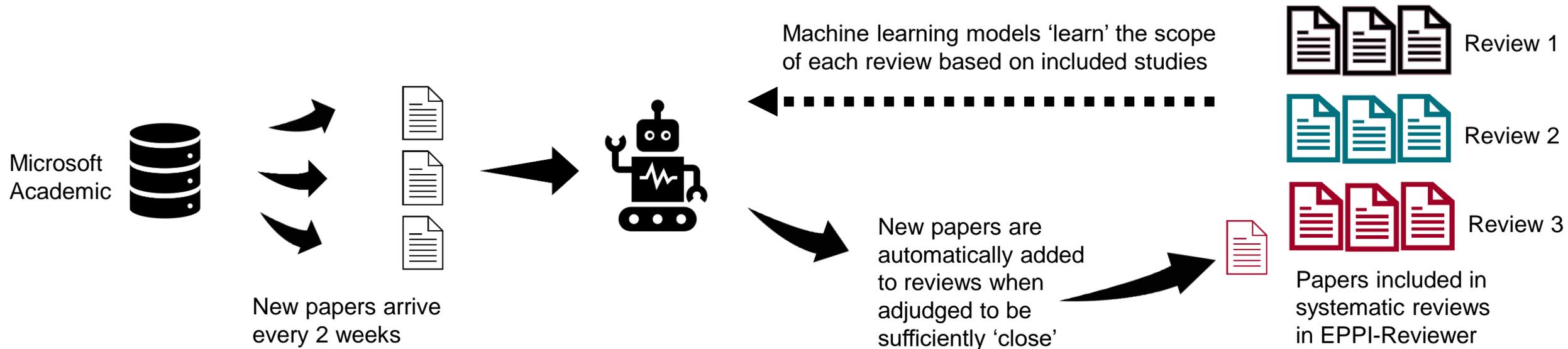
INCLUDES LINKS (URLS) TO
FULL-TEXT SOURCES



IT'S A GRAPH – NOT FLAT
FILE – CONTAINS VALUABLE
INFORMATION ABOUT
RELATIONSHIPS BETWEEN
PAPERS

EPPI-Reviewer and Microsoft Academic

Main aim: to maintain a 'surveillance' of the literature as it emerges to maintain reviews up to date



Once MAG has been enabled in your review, you can click on 'Update review' to access it.

The screenshot shows the ePPI REVIEWER Beta interface. At the top right, there are links for Feedback, Help, the user name Melissa Bond, and a Logout button. Below this is a navigation bar with 'Review home' selected and other options: References, Reports, Search & Classify, and Collaborate. The main content area is divided into several sections. The 'Review Items' section has buttons for 'Import Items', 'Manage Duplicates', and 'Update review' (which is highlighted with a red box). Below these buttons, it shows statistics: 'Included: 146', 'Excluded: 186', 'Deleted: 0', and 'Duplicates: 0'. To the right of this section are three buttons: 'My Reviews ↓', 'My Work ↓', and 'Sources ↓'. Below the 'Review Items' section is the 'Coding Progress' section, which includes a 'Coding Tools' dropdown and a refresh icon. It lists various tools with their completion status: 'Screen on full text' (332/0), 'Article information' (332/0), 'Data Extraction' (225/0), 'Lingo3G clusters' (100/0), 'Article retrieval' (331/0), and 'Allocations and Admin' (225/0). On the right side of the interface, there is a notification box stating 'Your account expires on: 31 Dec 2021' and 'Current(shared) review expires on: 31 Dec 2021.', with buttons for 'Create Review' and 'Setup Visualisations...'. A vertical 'Codes' button is visible on the far right edge.

ePPI REVIEWER Beta **Update review** [Feedback](#) [Help](#) Melissa Bond [Logout](#)

[←](#) [→](#) [Bring up-to-date](#) [Keep up-to-date](#) **Match records** [Search and browse](#) [MAG Admin](#) [Selected](#) [Show History](#) [Close/back](#)

Microsoft Academic Dataset: mag-2021-07-05 Matched items: 0

To use the 'Update review' functions (**Bring up-to-date** and **Keep up-to-date**) you must first match the references in your review with their equivalent record in Microsoft Academic.

Please click on **Run matching algorithm** in the **match records** area to start the matching process.

When using MAG for the first time, you'll be prompted to match the records already in your review.

1. Click on 'Match records'.
2. Click on 'Run matching algorithm'.
3. Click on OK.

Run matching algorithm

Are you sure you want to match all items to Microsoft Academic records?

[Cancel](#) **OK**

Match records in your review to Microsoft Academic [more details](#)

Run matching algorithm [Clear all matches in review](#) [Clear all non-manual matches in review](#) [Refresh](#)

All matched included records	All matched excluded records	All matched records in review	Low confidence matched items	Records that could not be matched	Records that are no longer matched
0 (List Papers)	0 (List Papers)	0	Included: 0 Excluded: 0	Included: 146 Excluded: 186	All: 0

Matching items can take a while – be patient and then click on the  icon.

Your matched records will be listed, alongside any that are low confidence matches or that couldn't be matched.

➤ You will need to check these manually.

Match records in your review to Microsoft Academic [more details](#)

[Run matching algorithm](#) [Clear all matches in review](#) [Clear all non-manual matches in review](#) 

All matched included records	All matched excluded records	All matched records in review	Low confidence matched items	Records that could not be matched	Records that are no longer matched
127 (List Papers)	141 (List Papers)	268	Included: 6 Excluded: 19	Included: 13 Excluded: 26	All: 0

Actions on items with this code

[List \(matched\) items](#) [Auto-match items](#) [Clear matches](#) [Clear non-manual matches](#)

[Review home](#) [References](#)

[Import Items](#) [Cluster](#) [Coding](#)

First Previous Page: 1

Showing MagMatchesNeedingCheckin

<input type="checkbox"/>	ID	Short title
<input type="checkbox"/>	40189567	Duffy (201
<input type="checkbox"/>	40189606	Howard (2

To check these, click on the first blue included number.

➤ Your items will be listed in the References tab, so click on GO on the first item.

1. Click on the 'Microsoft Academic' tab in the Item Details page.
2. Look at the item details at the top and compare it to the match found in Microsoft Academic, indicating whether it's correct or incorrect.
 - You can also check the Score.



[Feedback](#) [Help](#) Melissa Bond [Logout](#)

First Previous Next Last Item 1 of 6
Show terms? Auto Advance? Close/back

Item Details Links Arms Timepoints PDF Coding Record Microsoft Academic

[Look up this record in Microsoft Academic](#) [Clear Microsoft Academic matches from this record](#)

Duffy M C, and Azevedo R (2015) Motivation matters: Interactions between achievement goals and agent scaffolding for self-regulated learning within an intelligent tutoring system. COMPUTERS IN HUMAN BEHAVIOR 52, 338-348

Matches with Microsoft Academic records	Status and score
Kang Li, Jing Gao, Suxin Guo, Nan Du, Aidong Zhang (2015) Functional Node Detection on Linked Data.. SIAM International Conference On Data Mining. 1-9. DOI: 2402983874 View in Microsoft Academic Browser	Score: 0.41737307692307696 Correct Match: <input type="radio"/> Incorrect Match: <input type="radio"/>

Look up specific Microsoft Academic ID:

[Item Details](#)
[Links Arms Timepoints](#)
[PDF](#)
[Coding Record](#)
[Microsoft Academic](#)

[Look up this record in Microsoft Academic](#)

[Clear Microsoft Academic matches from this record](#)

Duffy M C, and Azevedo R (2015) Motivation matters: Interactions between achievement goals and agent scaffolding for self-regulated learning within an intelligent tutoring system. COMPUTERS IN HUMAN BEHAVIOR 52, 338-348

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Kang Li, Jing Gao, Suxin Guo, Nan Du, Aidong Zhang (2015) Functional Node Detection on Linked Data.. SIAM International Conference On Data Mining. 1-9. DOI: Id: 2402983874 View in Microsoft Academic Browser	Score: 0.41737307692307696 Correct Match: <input type="radio"/> Incorrect Match: <input checked="" type="radio"/>

This is an incorrect match, so it needs to be looked up in the MAG database.

1. Click on 'View in Microsoft Academic Browser'.
2. If this is still incorrect, you will need to manually search for the item. Click on 'View in Microsoft Academic'.

ePPI REVIEWER Beta **Update review**

[←](#)
[→](#)
[Bring up-to-date](#)
[Keep up-to-date](#)
[Match records](#)
[Search and browse](#)
[MAG Admin](#)
[Select](#)

Microsoft Academic Dataset: mag-2021-07-05 Ma

Functional Node Detection on Linked Data.

Kang Li, Jing Gao, Suxin Guo, Nan Du, Aidong Zhang (2015) Functional Node Detection on Linked Data.. SIAM Paper Id: 2402983874

[Selected papers +](#)
[View in Microsoft Academic](#)
[more details ↓](#)

3. Type in the name of the item you're searching for in the top search bar.

Microsoft Academic

Microsoft Academic

Motivation matters: Interactions between achievement goals and agent scaffolding for self-regulated learning within an intelligent tutoring system

FILTER BY: **Time** 1954-2021

Showing 1-10* of 50,000+ (3,548 seconds) SORT BY RELEVANCE

Motivation Matters in the Traceability Trenches 88 citations*

2009 IEEE INTERNATIONAL CONFERENCE ON REQUIREMENTS ENGINEERING

Patrick Mader¹, Orlena Gotel², Ilka Philippow¹

¹ Dept. of Software Syst., Ilmenau Tech. Univ., Ilmenau, Germany, ² Pace University

Requirements traceability Traceability View More (6+)

Reports from the field are few and far between when it comes to traceability. As a community, we know little more about the traceability practice in companies today than we did a decade ago. This paper reports on findings from a practitioner survey designed to get a high-level update on traceability... View Full Abstract

Motivation matters 102 citations*

2015 COMPUTERS IN HUMAN BEHAVIOR

Melissa C. Duffy¹, Roger Azevedo²

¹ McGill University, ² North Carolina State University

Self-regulated learning Intelligent tutoring system View More (6+)

Pedagogical agent scaffolding increased learners' use of self-regulatory strategies. Pedagogical agent scaffolding alone did not increase learners' performance. Achievement goal motivation moderated the effect of agents on performance. Performance was highest for performance-approach learners receiving... View Full Abstract

Top Topics

- Psychology
- Pedagogy
- Mathematics educati...
- Business
- Social psychology
- Software engineering
- Formal specification
- Traceability
- Systems analysis
- Aerospace electronics

Publication Types

- Journal publications
- Conference publicati...

1. Locate the correct item in Microsoft Academic and click on it.
2. Note the unique Microsoft Academic ID number in the URL.

<https://academic.microsoft.com/paper/933409971/reference/search?q=Motivation%20n>

3. Copy and paste that number into the Microsoft Academic ID space in the item details records and click on GO.

Item Details Links Arms Timepoints PDF Coding Record Microsoft Academic

Look up this record in Microsoft Academic Clear Microsoft Academic matches from this record

Duffy M C, and Azevedo R (2015) Motivation matters: Interactions between achievement goals and agent scaffolding for self-regulated learning within an intelligent tutoring system. COMPUTERS IN HUMAN BEHAVIOR 52, 338-348

Matches with Microsoft Academic records	Status and score
Kang Li, Jing Gao, Suxin Guo, Nan Du, Aidong Zhang (2015) Functional Node Detection on Linked Data.. SIAM International Conference On Data Mining. 1-9. DOI: Id: 2402983874 View in Microsoft Academic Browser	Score: 0.41737307692307696 Correct Match: <input type="radio"/> Incorrect Match: <input checked="" type="radio"/>

Look up specific Microsoft Academic ID:

933409971

Item Details Links Arms Timepoints PDF Coding Record Microsoft Academic

[Look up this record in Microsoft Academic](#) [Clear Microsoft Academic matches from this record](#)

Duffy M C, and Azevedo R (2015) Motivation matters: Interactions between achievement goals and agent scaffolding for self-regulated learning within an intelligent tutoring system. COMPUTERS IN HUMAN BEHAVIOR 52, 338-348

Matches with Microsoft Academic records	Status and score
Kang Li, Jing Gao, Suxin Guo, Nan Du, Aidong Zhang (2015) Functional Node Detection on Linked Data.. SIAM International Conference On Data Mining. 1-9. DOI: Id: 2402983874 View in Microsoft Academic Browser View on the internet	Score: 0.41737307692307696 Correct Match: <input type="radio"/> Incorrect Match: <input checked="" type="radio"/>
Melissa C. Duffy, Roger Azevedo (2015) Motivation matters. Computers In Human Behavior. 52 338-348. DOI: 10.1016/J.CHB.2015.05.041 Id: 933409971 View in Microsoft Academic Browser View on the internet	Score: 0 Correct Match: <input checked="" type="radio"/> Incorrect Match: <input type="radio"/>

Look up specific Microsoft Academic ID:

933409971

If this is the correct item, click on 'Correct Match'.

The record will then receive a Score of 1 for being a perfect match.

Item Details Links Arms Timepoints PDF Coding Record Microsoft Academic

[Look up this record in Microsoft Academic](#) [Clear Microsoft Academic matches from this record](#)

Duffy M C, and Azevedo R (2015) Motivation matters: Interactions between achievement goals and agent scaffolding for self-regulated learning within an intelligent tutoring system. COMPUTERS IN HUMAN BEHAVIOR 52, 338-348

Matches with Microsoft Academic records	Status and score
Melissa C. Duffy, Roger Azevedo (2015) Motivation matters. Computers In Human Behavior. 52 338-348. DOI: 10.1016/J.CHB.2015.05.041 Id: 933409971 View in Microsoft Academic Browser View on the internet	Score: 1 Correct Match: <input checked="" type="radio"/> Incorrect Match: <input type="radio"/>
Kang Li, Jing Gao, Suxin Guo, Nan Du, Aidong Zhang (2015) Functional Node Detection on Linked Data.. SIAM International Conference On Data Mining. 1-9. DOI: Id: 2402983874 View in Microsoft Academic Browser View on the internet	Score: 0.41737307692307696 Correct Match: <input type="radio"/> Incorrect Match: <input checked="" type="radio"/>

Low confidence matched items

Included: 5

Excluded: 19

Returning to the Update Review screen in MAG shows that the number has reduced.

- Repeat for your other low and non matched items.



Search results

<input type="checkbox"/>	#	Name	Search string
<input checked="" type="checkbox"/>	4	Title: system (mag-2021-07-05)	W='system'
<input checked="" type="checkbox"/>	3	Title: tutoring (mag-2021-07-05)	W='tutoring'
<input checked="" type="checkbox"/>	2	Title: intelligent (mag-2021-07-05)	W='intelligent'
<input type="checkbox"/>	1	Title: "intelligent tutoring system" (mag-2021-07-05)	AND(W='intelligent',W='tutoring',W='system')

1. Click on the 'Search and browse' button.
2. Choose how you wish to search and click on the 'Search' button.
3. You can then combine multiple word/phrase searches, using Boolean operators – note that using "a phrase in quotations" will combine words.
4. You can then import the search results directly into your review, by clicking on the icon.
5. You can also rerun a search, to filter by date.

Importing papers for the selected search

Are you sure you want to import these search results?
This will import up to 196 items in your review.

Cancel OK

#	Name	Search string	MAG Version	User	Date	Hits	Re-run/import
6	#5 AND published after: 2018-11-01 (mag-2021-07-05)	AND(AND(W='system', W='tutoring', W='intel...')	mag-2021-07-05	Melissa Bond	22 Jul 2021	196	

1. Click on the icon and then confirm that you want to import the items, by clicking the 'OK' button.
2. The items will automatically be imported into your review as included items.
 - You can find your import in the 'My Sources' tab on the Review Home page
 - Clicking on the blue name will take you directly to a list of those items in the References tab.

My Reviews ↓ My Work ↓ Sources ↑

SOURCES in Review:

Name	Items Deleted	Duplicates
Whole corpus.ris	332	0
Microsoft Academic search: #5 AND published after: 2018-11-01 (mag-2021-07-05)	196	0
Manually Created Items	0	0

Review home References Reports Search & Classify Collaborate

Import Items Cluster Coding Report In/Exclude Export to RIS Run Reports

First Previous Page: 1 of 2 Next Last Showing 100 items of 196 View Options

Showing Microsoft Academic search: #5 AND published after: 2018-11-01 (mag-2021-07-05)

ID	Short title†	Title
60773596	Abidi (2018)	Prediction of Confusion Attempting Algebra Home
60773767	Abidi (2018)	Prediction of Confusion Attempting Algebra Home
60773729	Abu-Dawwas (2020)	Proposed frame-based expert system to construct
60773603	Afzal (2019)	Development and Deployment of a Large-Scale Dia

Bring up-to-date Keep up-to-date Match records Search and browse MAG Admin Selected Show History

Microsoft Academic Dataset: mag-2021-07-05 Matched

Bring review up to date (find related papers) more details

Add new search for related papers

Description
Papers that cite included items

Search date
 No date restriction Items dated from

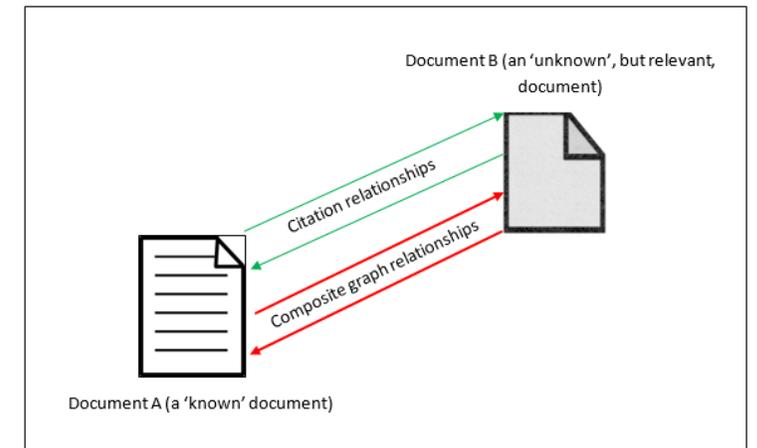
Search based on
 All included items in the review
 Items with specified code

Select code
Include

Search mode
Add new search

- Papers 'recommended' by known items ('Recommended by')
- Papers that 'recommended' known items ('That recommend')
- Bi-directional recommendation relationships ('Recommendations')
- Papers in the bibliography of known items ('Bibliography')
- Papers that cite known items ('Cited by')
- Bi-directional citation relationships ('Bi-Citation')
- Bi-directional recommendation AND citation relationships ('Bi-Citation AND Recommendations')

1. In the MAG interface, click on 'Bring up-to-date'.
2. Click on 'Add new search'.
3. Type in a description.
4. Choose whether to search based on all included items, or just those with a specified code (if so, select code), e.g. Include.
5. Choose the search mode.
 - known items = items in your review



6. Click on 'Add new search'.

Related Paper Searches  ← Click on the refresh button to check whether the search has completed.

Description	Mode	Date from	Date run	All included	With this code	Status
Papers that cite included items	Cited by		22 Jul 2021	<input type="checkbox"/>	Include	Waiting  Import 0

Completed search:

Description	Mode	Date from	Date run	All included	With this code	Status
Papers that cite included items	Cited by		22 Jul 2021	<input type="checkbox"/>	Include	Complete Not imported  Import 2962

- To import all of the items found, click on the Import button.
- To view the items and choose manually, click on the blue number.



[Bring up-to-date](#)
[Keep up-to-date](#)
[Match records](#)
[Search and browse](#)
[MAG Admin](#)
[Selected](#)
[Clear Selected](#)
[Import Selected](#)
[Show History](#)

Microsoft Academic Dataset: mag-2021-07-05 Matched items: 492

The application of multi-agent systems for STEP-NC computer aided process planning of prismatic componer

Aydin Nassehi, S. T. Newman, R. D. Allen (2006) The application of multi-agent systems for STEP-NC computer aided process planning of prismatic components. *Inter Machine Tools & Manufacture*. 46 (5) 559-574. DOI: 10.1016/J.IJMACHTOOLS.2005.06.005
Paper Id: 1992558138

[Selected papers +](#)
[View in Microsoft Academic](#)
[more details](#)

Abstract:

Abstract For many years, manufacturing firms have been seeking more efficient ways of manufacturing components with CNC machines. The emerging standards ISO 14649 and ISO 10303 (AP238) present an opportunity to revolutionize the way CNC machines are traditionally programmed. These standards better known as STEP-NC replace the traditional tool movement description languages with hierarchical data structures that allow a new breed of CNC to store part geometry together with the working steps of the operations required to manufacture the part. STEP-NC provides the ability to store and utilise high level and detailed information from the CAD system to the intelligent STEP compliant CNC controller. With the advent of STEP-NC, computer aided process planning has become a critical link in the CAX process chain with the major requirement to generate interoperable process plans. The authors therefore believe it is necessary to redefine CAPP to reflect the change from the traditional tool movement based programming to STEP-NC based programming. This paper examines the application of distributed artificial intelligence methods, namely collaborative multi-agent systems in designing an object-oriented process planning system for prismatic components in a STEP-NC compliant environment. The specification and design of a prototype system entitled the Multi-Agent System for Computer Aided Process Planning (MASCAPP) is outlined. Two test components have been designed, process planned, simulated on the machine controller and finally machined, to demonstrate the capabilities of the system and illustrate the activities required to implement STEP compliant manufacturing.

Doi: 10.1016/J.IJMACHTOOLS.2005.06.005

Pdf links:
isiarticles.com

Website links:

EPPI REVIEWER Beta **Update review** [Feedback](#) [Help](#) Melissa Bond [Logout](#)



[Bring up-to-date](#)
[Keep up-to-date](#)
[Match records](#)
[Search and browse](#)
[MAG Admin](#)
[Selected](#)
[Clear Selected](#)
[Import Selected](#)
[Show History](#)
[Close/back](#)

Microsoft Academic Dataset: mag-2021-07-05 Matched items: 492

Current List : Related Items Search (Id:343)

[Computer science](#)
[Data science](#)
[Medical education](#)
[Knowledge management](#)
[Artificial intelligence](#)
[Learning styles](#)
[Scheme \(programming language\)](#)
[Cloud computing](#)
[Classification scheme](#)
[Task \(project management\)](#)
[State of art](#)

References [Cited By](#) [Selected Papers \(0\)](#) [Current list](#)

Mohammed Nurul Hassan... (2006) User friendly communication with CAD for the disabled. . - 

Yulita Hanum P Iskandar, Lester Gilbert, Gary Wills... (2010) Pedagogical Feedback for Computer-based Sport Training. . - 

Nicole A. Buzzetto-More, Ojiabo Ukoha... (2009) The Efficacy of a Web-Based Instruction and Remediation Program on Student Learning. *Issues In Informing Science And Information Technology*. 6285-298 

Hazra Imran, Quang Hoang, Ting-Wen Chang, Kinshuk, Sabine Graf... (2014) A Framework to Provide Personalization in Learning Management Systems through a Recommender System Approach. *Asian Conference On Intelligent Information And Database* 

- Click on an item's name to see more information.
- Click on the blue back arrow and select the  icon to add it for import.

References Cited By **Selected Papers (2)** Current list

- Yulita Hanum P Iskandar, Lester Gilbert, Gary Wills... (2010) Pedagogical Feedback for Computer-based Sport Training. . -
- Nicole A. Buzzetto-More, Ojiabo Ukoha... (2009) The Efficacy of a Web-Based Instruction and Remediation Program on Student Learning. Issues In Informing Science And Information Technology. 6285-298
- Hazra Imran, Quang Hoang, Ting-Wen Chang, Kinshuk, Sabine Graf... (2014) A Framework to Provide Personalization in Learning Management Systems through a Recommender System Approach. Asian Conference On Intelligent Information And Database Systems. 271-280
- Molly A. Hinshaw... (2012) Dermatopathology Education: An Update. Dermatologic Clinics. 30 (4) 815-826
- Kevin Reed, Gabriele Meiselwitz... (2011) Teacher agents: the current state, future trends, and many roles of intelligent agents in education. International Conference On Online Communities And Social Computing. 69-78

Selected items will appear with a and be added to the 'Selected Papers' list.

- To import them, click on 'Import Selected'.

Update review Feedback Help Melissa

Match records Search and browse MAG Admin Selected Clear Selected **Import Selected** Show History

Microsoft Academic Dataset: mag-2021-07-05 Matched items: 492

References Cited By **Selected Papers (2)** Current list

Hazra Imran, Quang Hoang, Ting-Wen Chang, Kinshuk, Sabine Graf (2014) A Framework to Provide Personalization in Learning Management Systems through a Recommender System Approach. Asian Conference On Intelligent Information And Database Systems. 271-280. DOI: 10.1007/978-3-319-05476-6

Description	Mode	Date from	Date run	All included	With this code	Status			
Papers that cite included items	Cited by		22 Jul 2021	<input type="checkbox"/>	Include	Complete	Not imported	<input type="checkbox"/>	Import 2962
Bibliography items	Bibliography	1 Jan 2007	22 Jul 2021	<input type="checkbox"/>	Include	Complete	Not imported	<input type="checkbox"/>	Import 1635
Recommendations	Recommendations	1 Jan 2007	22 Jul 2021	<input type="checkbox"/>	Include	Complete	Not imported	<input type="checkbox"/>	Import 4171
Papers that cite included items after 2007	Cited by	1 Jan 2007	22 Jul 2021	<input type="checkbox"/>	Include	Complete	Not imported	<input type="checkbox"/>	Import 2960

Repeat for all MAG searches conducted.

- Duplicates are often flagged and not imported.
- Just to be sure, run a duplicate check afterwards.

Review home References Reports Search & Classify Colla

Review Items Import Items **Manage Duplicates** Update review

Included: 342 Excluded: 186 Deleted: 0

EPPI-Visualiser is a new web database tool, displaying the studies and coding conducted in your review.

- Any changes made in your review are updated live in the database.

The screenshot displays the EPPI-Visualiser interface for a specific study. The main content area shows the study title, a search bar, and navigation buttons. The study title is "Emergency Remote Teaching in higher education during the COVID-19 pandemic". Below the title, there is an introduction section with text describing the database's creation and purpose. To the right, there is a "Publications by year" bar chart showing a significant increase in publications in 2020 compared to 2021. Below the introduction, there is a "Frequencies: Participant Continent" section with a horizontal bar chart showing the distribution of participants across various continents. The interface also includes a sidebar with navigation options like "List records", "Frequencies", and "Data Extraction".

Publications by year

Year	Number of Publications
2020	~360
2021	~30
Unknown	~10

Frequencies: Participant Continent

Continent	Frequency
Africa	~10
Asia	~350
Europe	~340
Middle East	~150
North America	~280
Oceania	~20
South and Central America	~100
Global	~10

Schools and emergency remote education living review

<https://eppi.ioe.ac.uk/EPPI-Vis/Login/Open?WebDBid=5>

The screenshot shows the EPPI-Vis interface for a living review titled "Schools and Emergency Remote Education during the COVID-19 pandemic". The interface includes a search bar, navigation tabs for "List records" and "Frequencies", and a sidebar with categories like "Living review - basic study information", "Study Characteristics", "Participant Focus", "School Type", "Open Access?", "Subject", "Year level", "Participant Continent", "SEND students?", and "Living review update list". The main content area features an "Introduction" section with text about the review's purpose and a "Publications by year" bar chart showing data for 2020, 2021, and Unknown. A "Frequencies: Participant Continent" section includes a horizontal bar chart and a table.

Continent	Frequency
Africa	~10
Asia	~15
Europe	~25
Oceania	~10
Middle East	~10
North America	~15
South & Central America	~10
Undear	~10

COVID-19 living map of the evidence

<https://eppi.ioe.ac.uk/eppi-vis/login/open?webdbid=7>

The screenshot shows the EPPI-Vis interface for a living review titled "COVID-19: Living map of the evidence". The interface includes a search bar, navigation tabs for "List records" and "Frequencies", and a sidebar with categories like "Topic" and "Version". The main content area features an "Introduction" section with text about the living map's purpose and a "Publications by year" bar chart showing data for 2019, 2020, and 2021. A "Frequencies" section includes a horizontal bar chart and a table.

Year	Frequency
2019	~10
2020	~40
2021	~25
Unknown	~10

Update review

Microsoft Academic Dataset: mag-2021-07-05 Matched items: 492

Keep review up-to-date (subscribe review to auto-updates) [more details](#)

Adding "New auto-update subscription" (click to close)

Description:

Search based on All included items Items with this code

Select code:

Add new auto-update subscription

1. In the MAG interface, click on 'Keep up-to-date'.
2. Click on 'Adding "New auto-update subscription"'.
3. Type in a description.
4. Choose whether to search based on all included items, or just those with a specified code (if so, select code), e.g. Include.
5. Click on 'Add new auto-update subscription'.
6. Every two weeks a new search will display.
7. Click on Refine/Import to see choose which items are imported.
8. Click on the blue number, in order to see all of the items.

Auto update tasks (they run when new data arrive)

Description	All included?	Only with this code?
New items based on original review	false	Review as of 8 Jan 2021

Items found at each task execution

Description	All included?	With this code	"Study Type" classifier	User Classifier	Version	Date
New items based on original review	false	Review as of 8 Jan 2021			mag-2021-07-05	20 Jul 2021

[Refine/Import](#) [42550](#)

Showing details for: "New items based on original review", created on: 20 Jul 2021, containing 42550 new papers

Score Range	Number of Items
0.4-	~18000
0.5-	~10000
0.6-	~6000
0.7-	~4000
0.8-	~3000
-0.99	~2000

Show distribution of: Auto-update model Study Type Classifier User Classifier

Auto-update model score threshold: 0.20

"Study type" classifier score threshold: 0.00

"User classifier" score threshold: 0.00

The thresholds above filter out 0 records. [Refresh](#)

Import top: 2,000 in order of Auto-Update Model

Number to import 2000 of 42550 [List items](#)

[Close \(without importing\)](#) [Import!](#)

You can **refine** your results by *also* applying a "study" type model, or any one of your own "custom build models".

Beware of being "too clever", when applying machine learning models to reduce the number of new items: if your review currently "misses" some relevant studies, you could be perpetuating the same mistake at each update.

[Run Study Classifier](#)

When importing, you can also **filter out** any reference that contains the following strings (comma-separated):

Filter (out) from journal field:

Filter (out) from URL field:

Filter (out) from DOI field:

[Run Your Classifier](#)

1. In order to save time, you can choose to import the closest matches.
2. Change 'Import top' to match those that are given a score of -0.99.
3. Click on Import!
4. There are definitely more advanced features, but I, too, am still learning 😊
5. You will then need to screen and code the new studies.

Further information

- [EPPI-Reviewer homepage](#) – sign up to a free one month trial.
- Recorded introductory [webinar](#) on using EPPI-Reviewer Web.
- Information about [using Microsoft Academic Graph](#) within EPPI-Reviewer.
- [EPPI-Mapper information](#) – includes links to example maps.
- [EPPI-Mapper app](#)
- [EPPI-Reviewer instructional video](#) on interactive evidence gap maps.
- [EPPI-Reviewer instructional video](#) on how to create an EGM using EPPI-Mapper.
- Recorded [webinar](#) about creating interactive evidence gap maps.
- Information about [other machine learning capabilities](#) in EPPI-Reviewer Web (e.g. priority screening).

Contact Information

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LinkedIn: <https://www.linkedin.com/in/bondmelissa/>

YouTube: <https://www.youtube.com/user/EPPIReviewer4>

Q & A / Discussion

Do you have any specific questions about your own review/project?

*talk to
me*