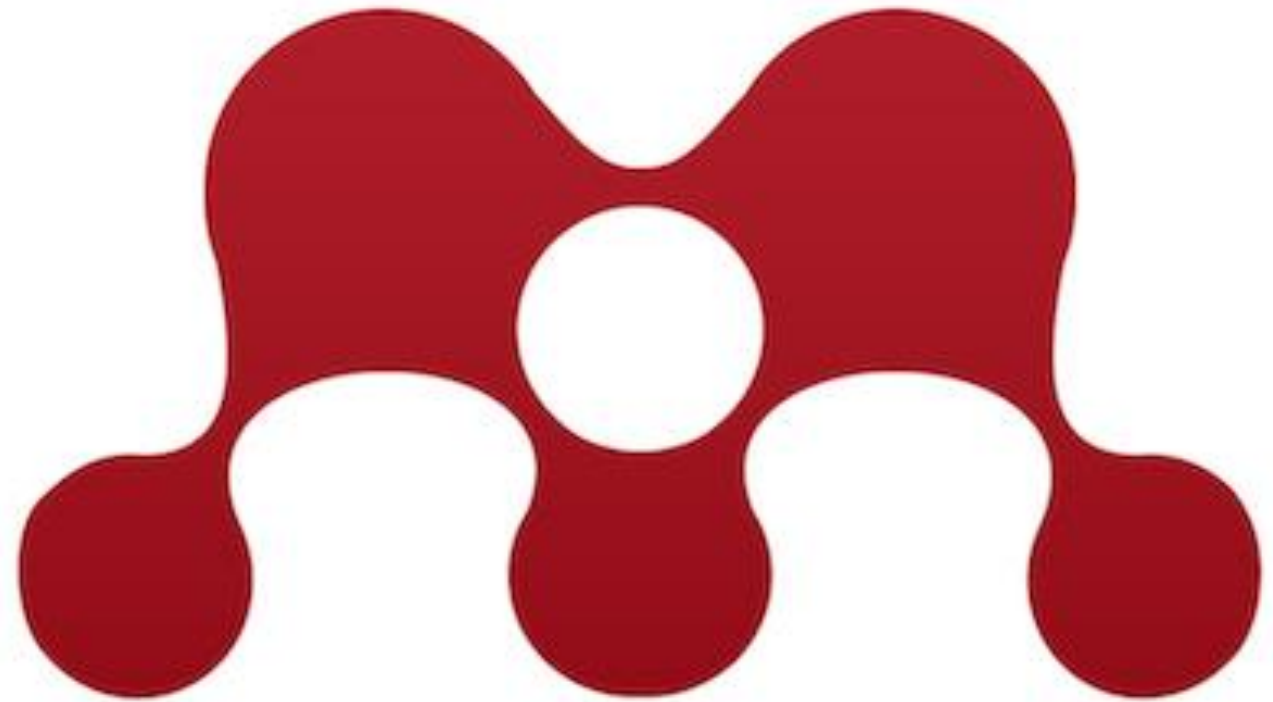


Οδηγίες
Εγκατάστασης
και Χρήσης



MENDELEY

Παπαβασιλείου Αναστάσιος, Χημικός MSc

Αναζήτηση του προγράμματος



mendeley



[Όλα](#)

[Εικόνες](#)

[Βίντεο](#)

[Ειδήσεις](#)

[Χάρτες](#)

[Περισσότερα](#)

[Ρυθμίσεις](#)

[Εργαλεία](#)

Περίπου 51.900.000 αποτελέσματα (0,41 δευτερόλεπτα)

[www.mendeley.com](#) > do... [▼ Μετάφραση αυτής της σελίδας](#)

Download Mendeley Desktop | Mendeley

Citation Plugin. **Mendeley** has plug-ins for Word, LibreOffice and BibTeX. We cover thousands of citation styles and you can even create your own. Find out more.

Windows

Citation Plugin. Mendeley has plug-ins for Word, LibreOffice and ...

Mendeley Cite

Mendeley Cite is our brand-new citation tool which we are ...

Mendeley Reference Manager

Mendeley Reference Manager simplifies your workflow, so you ...

Web Importer

Import papers, web pages and other documents directly into ...

Mendeley Desktop for Mac OS...

Installation Guide for Mendeley Desktop for Mac OS X · 1. Open ...

Release Notes

We have: updated Mendeley citation plugin to avoid "Word ...

[Περισσότερα αποτελέσματα από το mendeley.com »](#)

 **MENDELEY**

Περισσότερες εικόνες

Mendeley

Λογισμικό

Μετάφραση από αγγλικά - Η Mendeley είναι μια εταιρεία που εδρεύει στο Λονδίνο του Ηνωμένου Βασιλείου, η οποία παρέχει προϊόντα και υπηρεσίες για ακαδημαϊκούς ερευνητές. [Wikipedia \(Αγγλικά\)](#)

Εμφάνιση αρχικής περιγραφής ▼

Προγραμματιστής(-ές): Elsevier

Άδεια: [Freemium](#)

Αρχικός(-οί) δημιουργός(-οί): [Paul Foeckler](#), [Βίκτωρ Χέννινγκ](#), [Ζον Ράισελτ](#)

Πρώτη κυκλοφορία: Αύγουστος 2008

Σταθερή κυκλοφορία: 1.19.5 / 2019

Δημιουργία Λογαριασμού



Mendeley

Solutions Support Sign In **Create account** Download

Download Mendeley Desktop for Windows



Download Mendeley Desktop for Windows

Windows 7, 8.1 and 10 (Version 1803) [See release notes.](#)

Other systems:  [Mendeley Desktop for macOS](#)  [Mendeley Desktop for Linux](#)

New Mendeley Reference Manager is now available **Get started**

Δημιουργία Λογαριασμού

Mendeley

ELSEVIER

Welcome

Enter your email to continue with Mendeley

Email

Continue

Sign in via your institution

Mendeley

ELSEVIER

Check your inbox

An email is on its way to **tasospap16@gmail.com** that will let you add a password.

Didn't receive an email? Check your spam folder or try [again](#).

Add a password

Εισερχόμενο x



Elsevier Identity <identity@notification.elsevier.com>
προς εγώ

1:27 μ.μ. (πριν από 0 λεπτά)



ELSEVIER

Hi ,

Please add a password by clicking the link below.

Add A Password

Or use this link:

https://id.elsevier.com/ext/emailsigin?dgcid=raven_id_changesettings_email_MENDELEY&ui_locales=en&continueTo=itQ66VtO%2FtA%3D

The Elsevier team

Δημιουργία Λογαριασμού

ELSEVIER

Register

Create password to register

Email
tasospap16@gmail.com

Given name

Family name

Password

Choose a unique password with minimum 8 characters. Include at least 1 number, a mix of lowercase and uppercase letters and 1 symbol to make your password strong.

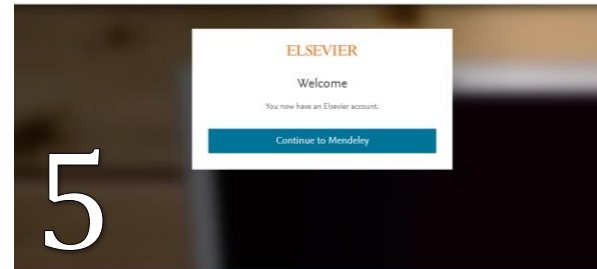
☐ Stay signed in (not recommended for shared devices)

By continuing you agree with our [Terms and conditions](#) and [Privacy policy](#).

4

Register

I already have an account



6

Welcome to Mendeley

Tell us more about yourself so we can serve you better.

Current role

Field of study

Mendeley Ltd. may email you information about our products, services and events. You can update your communication preferences at any time via your notification settings.

Continue to Mendeley

Skip this step

ELSEVIER

Welcome Tasos,

With your Elsevier account you can sign in, edit your details and make institutional connections for a range of Elsevier products.

Confirm your email to ensure continued access to your account.

Confirm Email

Or use this link:

https://id.elsevier.com/ext/emailsigin?dgcid=raven_id_welcome_email_MENDELEY&ui_locales=en&continueTo=E%2BzoifRJAXc%3D

7 The Elsevier team

Λήψη του προγράμματος

 Mendeley

SolutionsSupportSign InCreate accountDownload

Download Mendeley Desktop for Windows



Download Mendeley Desktop for Windows

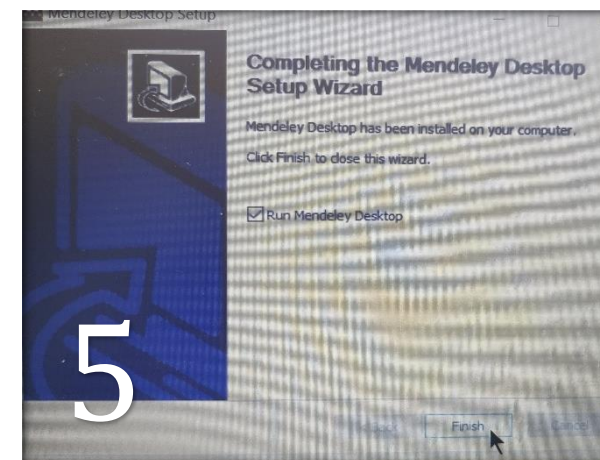
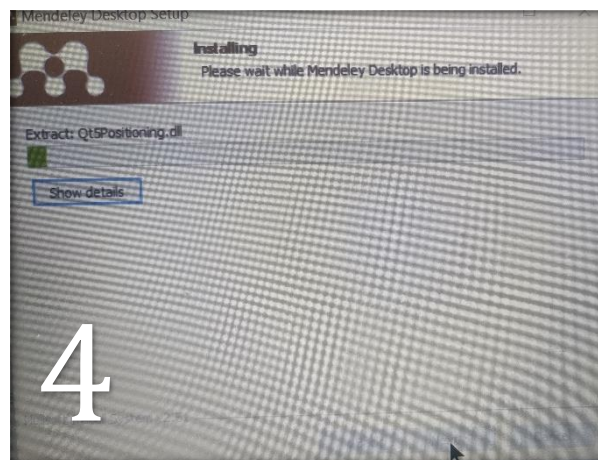
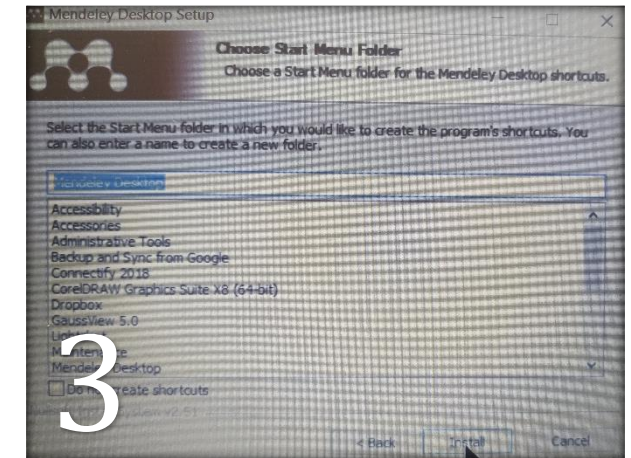
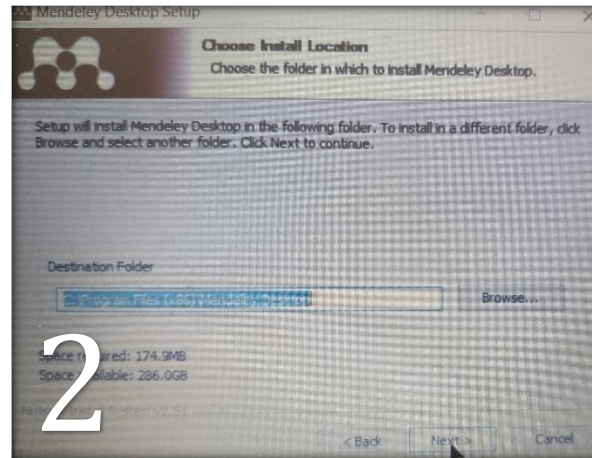
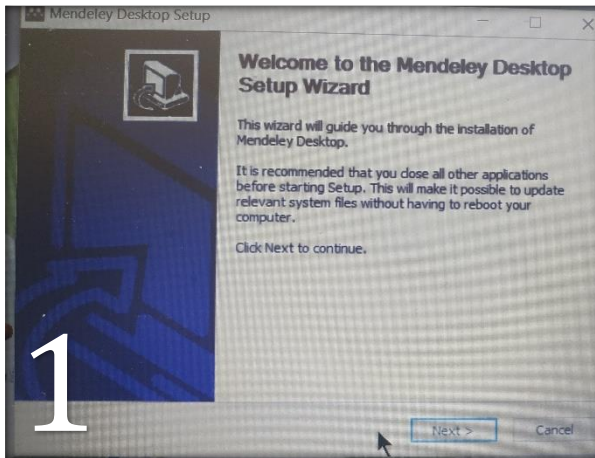
Windows 7, 8.1 and 10 (Version 1803) [See release notes.](#)

Other systems:  [Mendeley Desktop for macOS](#)  [Mendeley Desktop for Linux](#)

New Mendeley Reference Manager is now available

Get started

Εγκατάσταση του προγράμματος



Σύνδεση

Welcome to Mendeley Desktop

×

WELCOME TO MENDELEY

Welcome to Mendeley

E-mail

Password

☐ Stay signed in

[Forgot password?](#)

Επιτρέπεται
σύνδεση και
χρήση τόσο από
την ιστοσελίδα
όσο και από το
πρόγραμμα
Mendeley
Desktop

Περιβάλλον του προγράμματος

Mendeley Desktop

File Edit View Tools Help

Add Folders Sync Help

Search... Λογαριασμός

My Library

- All Documents
- Recently Added
- Recently Read
- Favorites
- Needs Review
- My Publications
- Unsorted
- Adenine and Guanine
- Biosensors
- Bonded NdFeB
- BOOKS
- Magnetised Electrode - Paper
- MASTER
- Create Folder...

External Library

Groups

Filter by Authors

All

Abudukeyoumu, Guzaïlinur

Allafchian, A. R.

Amado, Francisco

Angulo, A.

Angulo-Ibáñez, A.

Anu Prathap, M. U.

Arvand, Majid

Bandyopadhyay, Rajib

Bao, Jing

Barman, Koushik

Batchelor-Mcauley, Christopher

Beduk, Tutku

Beveridge, Jacob S.

Biscay, Julien

Bishnoi, Sunita

Biswas, Sudip

Brohi, Rafi O.Zaman Zaman

Calheiros-Lobo, Maria Joao

Campuzano, S.

Ceylan, Ayse Elcin

Recently Added

★	📄	Authors	Title	Year	Published In	Added
☆	📄	Chatterjee, Sanghamitra; Chen, Aicheng	Facile electrochemical approach for the effective detection of guanine	2012	Electrochemi...	Φεβ 26
☆	📄	Khan, Rabia; Khurshid, Zohaib; Yahya Ibrahim ...	Advancing Point-of-Care (PoC) Testing Using Human Saliva as Liquid Biopsy	2017	Diagnostics	Φεβ 26
☆	📄	Griffiths, A.J.F; Gelbart, W.M; Lewontin, R.C; M...	Modern Genetic Analysis	2002	Modern Genetic Anal...	Φεβ 26
☆	📄	Li, Hongying; Wang, Xueliang; Yu, Zhangyu	Electrochemical biosensor for sensitively simultaneous determination of dopamine, uric a...	2014	Journal of Solid State E...	Φεβ 26
☆	📄	Ohdoi, Chie; Nyhan, William L.; Kuhara, To...	Chemical diagnosis of Lesch-Nyhan syndrome using gas chromatography-mass spectrometry ...	2003	Journal of Chromatogr...	Φεβ 26
☆	📄	Hui, Ni; Sun, Xiaotian; Niu, Shuyan; Luo, Xiliang	PEGylated polyaniline nanofibers: Antifouling and conducting biomaterial for electrochemical DNA ...	2017	ACS Applied Materials an...	Φεβ 25
☆	📄	Humphrey, Sue P.; Williamson, Russell T.	A review of saliva: Normal composition, flow, and function	2001	Journal of Prosthetic D...	Φεβ 25
☆	📄	Michishige, Fumiko; Kanno, Kyoko; Yoshina...	Effect of saliva collection method on the concentration of protein components in saliva	2006	Journal of Medical Inve...	Φεβ 25
☆	📄	Laviron, E.	General expression of the linear potential sweep voltammogram in the case of diffusionless elect...	1979	Journal of Electroanal...	Φεβ 25
☆	📄	Amado, Francisco; Calheiros-Lobo, Maria J...	Sample Treatments for Proteomics	2019	Emerging Sample Trea...	Φεβ 25
☆	📄	Priya, Yamuna; Prathibha K, Muthu	Methods of collection of saliva-A Review	2017	International Journal of Or...	Φεβ 25
☆	📄	Švorc, Ľubomír; Kalcher, Kurt	Modification-free electrochemical approach for sensitive monitoring of purine DNA bases: Simu...	2014	Sensors and Actuators, B:...	Φεβ 24
☆	📄	Gao, Yan Sha; Xu, Jing Kun; Lu, Li Min; Wu, Li ...	Overoxidized polypyrrole/graphene nanocomposite with good electrochemical perfo...	2014	Biosensors and Bioelectronics	Φεβ 24
☆	📄	Liu, Xiaofang; Zhang, Ling; Wei, Shaping; Ch...	Overoxidized polyimidazole/graphene oxide copolymer modified electrode for the simultane...	2014	Biosensors and Bioelectronics	Φεβ 24
★	📄	Kayal, S.; Ramanujan, R. V.	Doxorubicin loaded PVA coated iron oxide nanoparticles for targeted drug delivery	2010	Materials Science and ...	Φεβ 24
☆	📄	Poyatos-Racionero, Elisa; Ros-Lis, Jose Vicente; ...	Recent advances on intelligent packaging as tools to reduce food waste	2018	Journal of Cleaner Prod...	Φεβ 24
☆	📄	Biscay, Julien; González García, María Begoña; ...	Electrochemical biotin detection based on magnetic beads and a new magnetic flow cell f...	2015	Talanta	Φεβ 24
☆	📄	Beveridge, Jacob S.; Stephens, Jason R.; Wi...	The Use of Magnetic Nanoparticles in Analytical Chemistry	2011	Annual Review of Analytical ...	Φεβ 24
☆	📄	Fabiani, L.; Delibato, E.; Volpe, G.; Piermarini, ...	Development of a sandwich ELIME assay exploiting different antibody combinations as se...	2019	Sensors and Actuators, B:...	Φεβ 24
★	📄	Dunwoody, Drew C.; Ünlü, Murat; Wolf, Ang...	Magnet Incorporated Carbon Electrodes: Methods for Construction and Demonstration of Increase...	2005	Electroanalysis	Φεβ 24

Details Notes Contents

No documents selected

Προσθήκη Αρχείων

Mendeley Desktop

File Edit View Tools Help

Add Folders Sync Help

My Library

- All Documents
- Recently Added
- Recently Read
- Favorites
- Needs Review
- My Publications
- Unsorted
- Adenine and Guanine
- Biosensors
- Bonded NdFeB
- BOOKS
- Magnetised Electrode - Paper
- MASTER
- Create Folder...

External Library

Groups

Filter by Authors

- All
- Abudukeyoumu, Guزالinur
- Allafchian, A. R.
- Amado, Francisco
- Angulo, A.
- Angulo-Ibáñez, A.
- Anu Prathap, M. U.
- Arvand, Majid
- Bandyopadhyay, Rajib
- Bao, Jing
- Barman, Koushik
- Batchelor-McAuley, Christopher
- Beduk, Tutku
- Beveridge, Jacob S.
- Biscay, Julien
- Bishnoi, Sunita
- Biswas, Sudip
- Brohi, Rafi O.Zaman Zaman
- Calheiros-Lobo, Maria Joao
- Campuzano, S.
- Ceylan, Ayse Elcin

Add Folders Sync Help

W.M; Lewontin, R.C; M...	Genetic Anal...
Li, Hongying; Wang, Xueliang; Yu, Zhangyu	Electrochemical biosensor for sensitively simultaneous determination of dopamine, uric a...
Ohdoi, Chie; Nyhan, William L.; Kuhara, To...	Chemical diagnosis of Lesch-Nyhan syndrome using gas chromatography-mass spectrometry ...
Hui, Ni; Sun, Xiaotian; Niu, Shuyan; Luo, Xiliang	PEGylated polyaniline nanofibers: Antifouling and conducting biomaterial for electrochemical DNA ...
Humphrey, Sue P.; Williamson, Russell T.	A review of saliva: Normal composition, flow, and function
Michishige, Fumiko; Kanno, Kyoko; Yoshina...	Effect of saliva collection method on the concentration of protein components in saliva
Laviron, E.	General expression of the linear potential sweep voltammogram in the case of diffusionless elect...
Amado, Francisco; Calheiros-Lobo, Maria J...	Sample Treatments for Proteomics
Priya, Yamuna; Prathibha K, Muthu	Methods of collection of saliva-A Review
Švorc, L'ubomír; Kalcher, Kurt	Modification-free electrochemical approach for sensitive monitoring of purine DNA bases: Simu...
Gao, Yan Sha; Xu, Jing Kun; Lu, Li Min; Wu, Li ...	Overoxidized polypyrrole/graphene nanocomposite with good electrochemical perfo...
Liu, Xiaofang; Zhang, Ling; Wei, Shaping; Ch...	Overoxidized polyimide/graphene oxide copolymer modified electrode for the simultane...
Kayal, S.; Ramanujan, R. V.	Doxorubicin loaded PVA coated iron oxide nanoparticles for targeted drug delivery
Poyatos-Racionero, Elisa; Ros-Lis, Jose Vicente; ...	Recent advances on intelligent packaging as tools to reduce food waste
Biscay, Julien; González García, María Begoña; ...	Electrochemical biotin detection based on magnetic beads and a new magnetic flow cell f...
Beveridge, Jacob S.; Stephens, Jason R.; Wi...	The Use of Magnetic Nanoparticles in Analytical Chemistry
Fabiani, L.; Delibato, E.; Volpe, G.; Piermarini, ...	Development of a sandwich ELIME assay exploiting different antibody combinations as se...
Dunwoody, Drew C.; Ünlü, Murat; Wolf, Ang...	Magnet Incorporated Carbon Electrodes: Methods for Construction and Demonstration of Increase...

No documents selected

Πληροφορίες για κάθε αρχείο

My Library

All Documents

Recently Added

Recently Read

Favorites

Needs Review

My Publications

Unsorted

Adenine and Guanine

Biosensors

Bonded NdFeB

BOOKS

Magnetised Electrode - Paper

MASTER

Create Folder...

External Library

Groups

Filter by Authors

All

Abudukeyoumu, Guzailinur

Allafchian, A. R.

Amado, Francisco

Angulo, A.

Angulo-Ibáñez, A.

Anu Prathap, M. U.

Arvand, Majid

Bandyopadhyay, Rajib

Bao, Jing

Barman, Koushik

Batchelor-Mcauley, Christopher

Beduk, Tutku

Beveridge, Jacob S.

Biscay, Julien

Bishnoi, Sunita

Biswas, Sudip

Brohi, Rafi O.Zaman Zaman

Calheiros-Lobo, Maria Joao

Campuzano, S.

Ceylan, Ayse Elcin

Recently Added

★	●	📄	Authors	Title	Year	Published In	Added
☆	●	📄	Humphrey, Sue P.; Williamson, Russell T.	A review of saliva: Normal composition, flow, and function	2001	Journal of Prosthetic D...	Φεβ 25
☆	●	📄	Michishige, Fumiko; Kanno, Kyoko; Yoshina...	Effect of saliva collection method on the concentration of protein components in saliva	2006	Journal of Medical Inve...	Φεβ 25
☆	●	📄	Laviron, E.	General expression of the linear potential sweep voltammogram in the case of diffusionless elect...	1979	Journal of Electroanalyt...	Φεβ 25
☆	●	📄	Amado, Francisco; Calheiros-Lobo, Maria J...	Sample Treatments for Proteomics	2019	Emerging Sample Trea...	Φεβ 25
☆	●	📄	Priya, Yamuna; Prathibha K, Muthu	Methods of collection of saliva-A Review	2017	International Journal of Or...	Φεβ 25
☆	●	📄	Švorc, Lubomír; Kalcher, Kurt	Modification-free electrochemical approach for sensitive monitoring of purine DNA bases: Simu...	2014	Sensors and Actuators, B:...	Φεβ 24
☆	●	📄	Gao, Yan Sha; Xu, Jing Kun; Lu, Li Min; Wu, Li ...	Overoxidized polypyrrole/graphene nanocomposite with good electrochemical perfo...	2014	Biosensors and Bioelectronics	Φεβ 24
☆	●	📄	Liu, Xiaofang; Zhang, Ling; Wei, Shaping; Ch...	Overoxidized polyimidazole/graphene oxide copolymer modified electrode for the simultane...	2014	Biosensors and Bioelectronics	Φεβ 24
★	●	📄	Kayal, S.; Ramanujan, R. V.	Doxorubicin loaded PVA coated iron oxide nanoparticles for targeted drug delivery	2010	Materials Science and ...	Φεβ 24
☆	●	📄	Poyatos-Racionero, Elisa; Ros-Lis, Jose Vicente; ...	Recent advances on intelligent packaging as tools to reduce food waste	2018	Journal of Cleaner Prod...	Φεβ 24
☆	●	📄	Biscay, Julien; González García, María Begoña; ...	Electrochemical biotin detection based on magnetic beads and a new magnetic flow cell f...	2015	Talanta	Φεβ 24
☆	●	📄	Beveridge, Jacob S.; Stephens, Jason R.; Wi...	The Use of Magnetic Nanoparticles in Analytical Chemistry	2011	Annual Review of Analytical ...	Φεβ 24
☆	●	📄	Fabiani, L.; Delibato, E.; Volpe, G.; Piermarini, ...	Development of a sandwich ELIME assay exploiting different antibody combinations as se...	2019	Sensors and Actuators, B:...	Φεβ 24
★	●	📄	Dunwoody, Drew C.; Ünlü, Murat; Wolf, Ang...	Magnet Incorporated Carbon Electrodes: Methods for Construction and Demonstration of Increase...	2005	Electroanalysis	Φεβ 24
☆	●	📄	Dudnyk, Iuliia; Janeček, Emma Rose; Vaucher-J...	Edible sensors for meat and seafood freshness	2018	Sensors and Actuators, B:...	Φεβ 24
☆	●	📄	Zhilichev, Yuriy	Improved Representation of the Magnetization and Resulting Field in Isotropic NdFeB	2015		Φεβ 24
☆	●	📄	Yakoh, Abdulhadee; Chaipo, Sukate; Siang...	A 3D Capillary-Driven Paper-Based Sequential Microfluidic Device for Electrochemical Sensing ...	2019	ACS Sensors	Φεβ 24
☆	●	📄	Karamanou, S.; Gjoka, M.; Devlin, E.; Psychari...	A novel approach for plastic bonded magnets of the type MQU-F melt spun NdFeGaB-type alloys	2017	2017 IEEE International...	Φεβ 24
☆	●	📄	Cullity, B. D.; Graham, C. D.	Introduction to Magnetic Materials	2009	Introduction to Magnetic Ma...	Φεβ 24
☆	●	📄	Chen, Zhou; Wu, Cao; Zhang, Zhenfeng; Wu, ...	Synthesis, functionalization, and nanomedical applications of functional magnetic nanoparticles	2018	Chinese Chemical Let...	Φεβ 24

Details

Notes

Contents

Type: Journal Article

Edible sensors for meat and seafood freshness

Authors: I. Dudnyk, E. Janeček, J. Vaucher-Joset et al.

View research catalog entry for this paper

Journal: Sensors and Actuators, B: Chemical

Year: 2018

Volume: 259

Issue:

Pages: 1108-1112

Abstract:

Here, we present a sensor for food freshness based solely on food-derived material, specifically pectin and red-cabbage. As such the sensor film is edible and safe for use inside food packaging, facilitating its wide-spread use. The sensor is designed to be a colourimetric indicator of food freshness. It displays high sensitivity to gaseous amines and shows good agreement with standard degradation markers when tested against real food samples. The sensor was exposed to a series of synthetic amines including ammonia, cadaverine and pyridine, and showed colourimetric changes accompanied by changes in the films' UV-VIS absorption spectra. When exposed to the headspace above beef, chicken, shrimp or wh...

Tags:

Author Keywords:

Colourimetric sensor; Edible film; Food freshness; TVB-N

URL:

Add URL...

Για άνοιγμα πατήστε διπλό κλικ στο όνομα του αρχείου

Ανάγνωση αρχείων

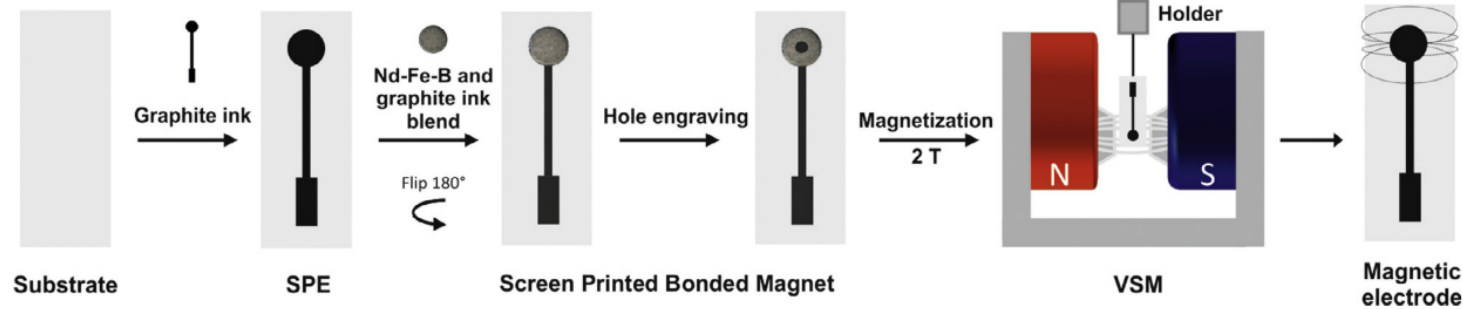


Fig. 1. Fabrication and magnetization of integrated screen-printed magnetic electrodes.

either hard magnetic materials (alnico, hard ferrites, samarium-cobalt or neodymium-iron-boron alloys) or soft magnetic materials (iron-silicon, nickel-iron alloys, soft ferrites) which used to make permanent magnets or electromagnets, respectively [29,30].

Herein, we introduce for the first time the development of all screen-printed magnetic sensors (magnet-SPEs) integrating graphite electrodes and permanent bonded magnets at the two sides of a thin polyester films, as compact, cheap and disposable alternatives to conventional magnetic electrode shafts, magnetic supports or external electromagnets in various electrochemical magneto assays (Fig. 1). Magnet-SPEs offer a compact design and they can be massively fabricated at an extremely low cost and at a highly reproducible manner. As a result, magnet-SPEs hold promise for the development of smart sensors for chemical anal-

Spectrum Two instrument (Perkin Elmer). Photos were taken using an S8 APO stereoscope (Leica). The thickness of the printings was measured with a thickness probe coupled with a Tesatronic TT10 unit (TESA).

2.3. Fabrication of all screen-printed magnetic sensors

NdFeB powder and thixotropic carbon ink (Electrodag PF-407A) were mixed at different proportions, 60/40, 70/30 and 80/20 (wt.%) and homogenized (750 rpm for 2 min) with a planetary centrifugal de-foaming mixer (Uni-Cyclone). The desired rheological properties were obtained by adding (1-methoxy-2-propyl)acetate (Sigma-Aldrich) in the mixed paste followed by an extra homogenization step at 500 rpm for 1 min. The fabrication process is il-

Details Notes Contents

Type: Journal Article

All-screen-printed graphite sensors integrating permanent bonded magnets. Fabrication, characterization and analytical utility

Authors: A. Papavasileiou, I. Panagiotopoulos, M. Prodr...

 [View research catalog entry for this paper](#)

Journal: *Electrochimica Acta*

Year: 2020

Volume: 360

Issue:

Pages:

Abstract:

© 2020 Elsevier Ltd Electrochemical magneto assays have been extremely popular thanks to the facile manipulation of magnetic nanoparticles (MNPs) by a magnetic field. To this end, various related accessories, such as magnetic electrode shafts, electrochemical cells integrating (electro)magnets, magnetic stickers etc. have been developed aiming to attract MNPs on the electrode surface. Herein, we introduce for the first time screen-printed electrodes (SPEs) coupled with screen-printed permanent bonded magnets as a compact, portable, cheap and disposable alternative to aforementioned products. The bonded magnet (3 mm ϕ , 56 $\pm$ 6 μ m thick) consists of micro sized NdFeB particles dispersed in a thixotrop...

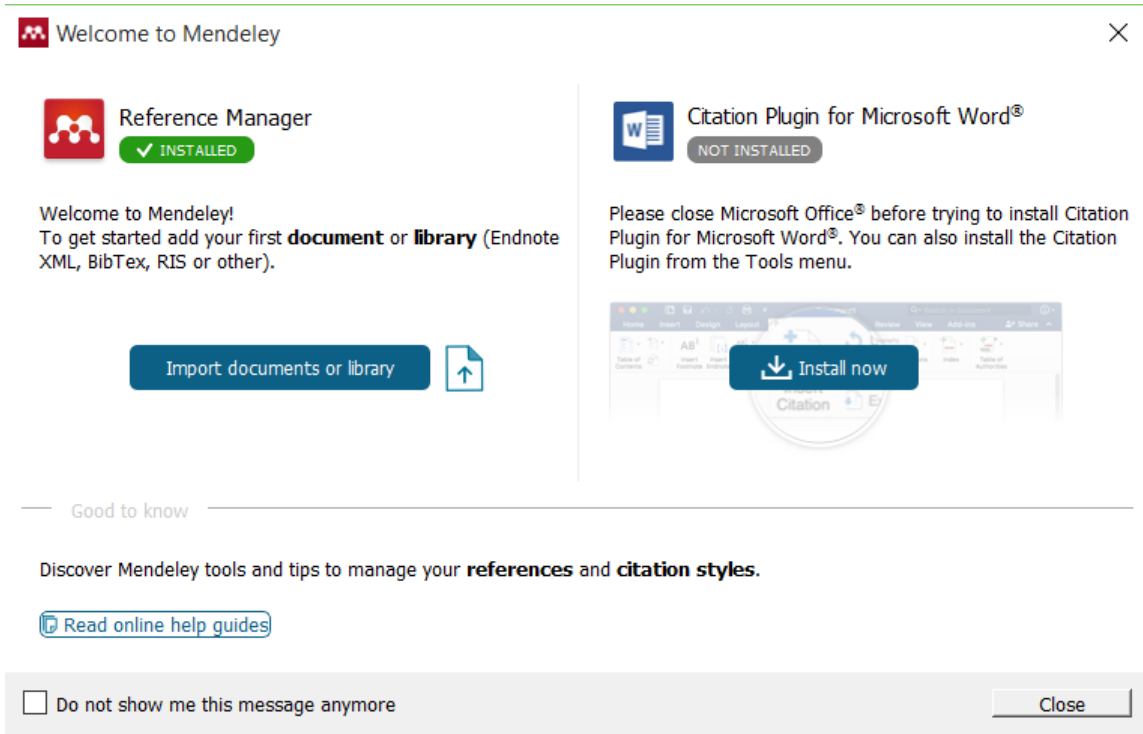
Tags:

Author Keywords:

Bonded magnets; Hydrogen peroxide; Nanoparticles; Prussian blue; Riboflavin (vitamin

Ενσωμάτωση στο Word

Κατά την εκκίνηση



Welcome to Mendeley

Reference Manager
✓ INSTALLED

Welcome to Mendeley!
To get started add your first **document** or **library** (Endnote XML, BibTex, RIS or other).

Import documents or library

Citation Plugin for Microsoft Word®
NOT INSTALLED

Please close Microsoft Office® before trying to install Citation Plugin for Microsoft Word®. You can also install the Citation Plugin from the Tools menu.

Install now

Good to know

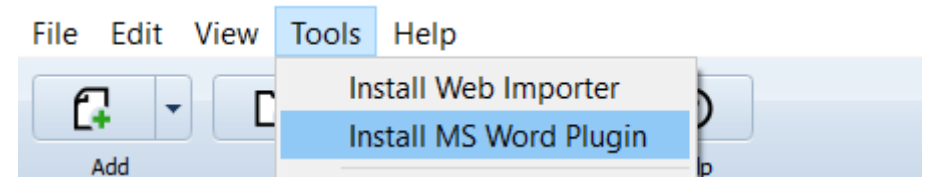
Discover Mendeley tools and tips to manage your **references** and **citation styles**.

[Read online help guides](#)

☐ Do not show me this message anymore

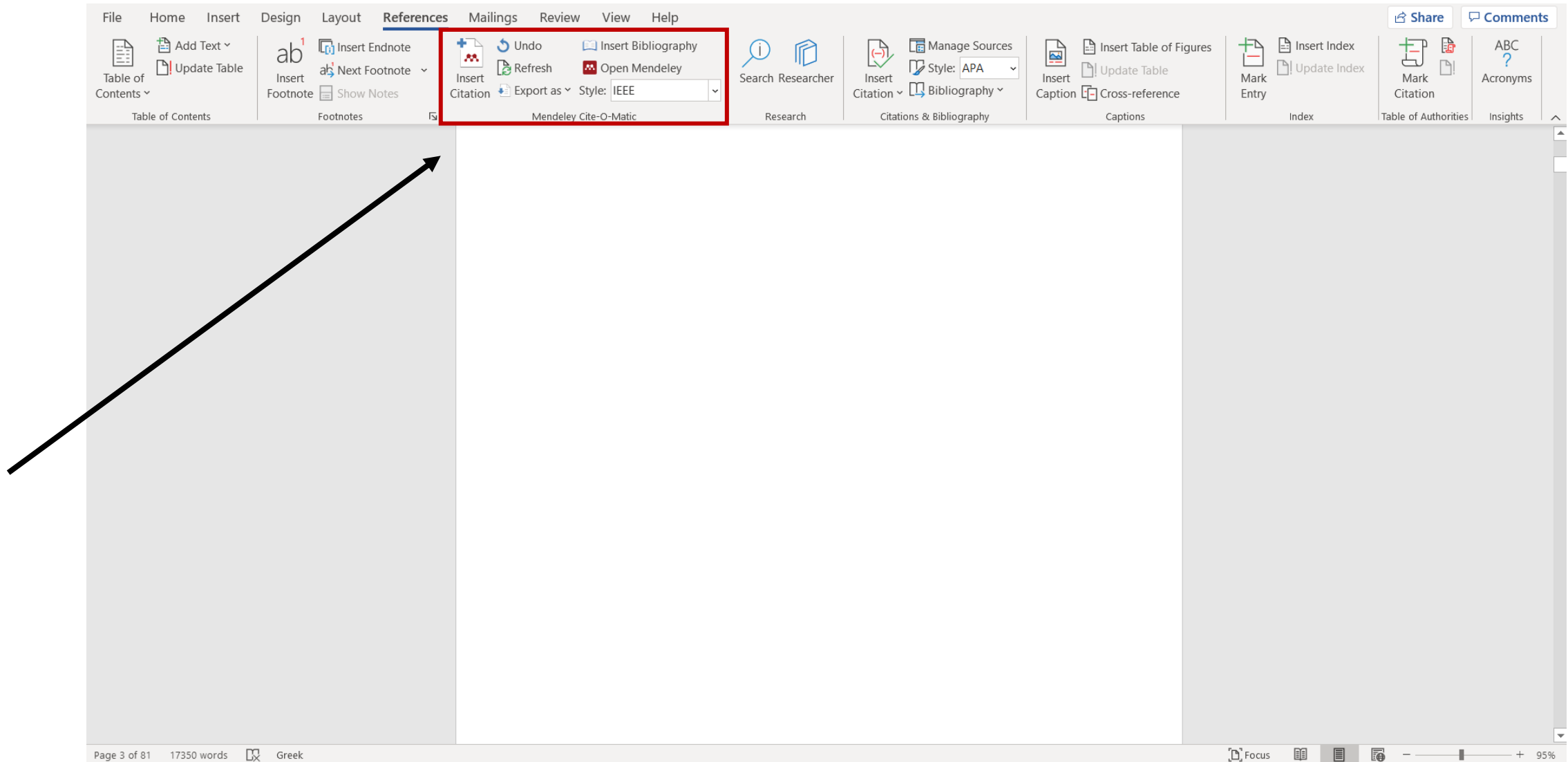
Close

Από την εργαλειοθήκη



ή

Word Plug In



Προσθήκη αναφοράς

File Home Insert Design Layout **References** Mailings Review View Help

Table of Contents Add Text Update Table Insert Endnote Next Footnote Show Notes Insert Citation Refresh Export as Style: IEEE Insert Bibliography Open Mendeley Search Researcher Insert Citation Manage Sources Style: APA Bibliography Insert Table of Figures Update Table Cross-reference Mark Entry Insert Index Update Index Mark Citation ABC Acronyms

Table of Contents Footnotes Mendeley Cite-O-Matic Research Citations & Bibliography Captions Index Table of Authorities Insights

Share Comments

Coey

Magnetism and Magnetic Materials
J. M.D. Coey - 2010 - Cambridge University Press
Authors: J. M.D. Coey

Permanent magnets
J. M. D. Coey - 2014 - Wiley Encyclopedia of Electrical and Electronic
Authors: J. M. D. Coey

Permanent magnetism
J. M.D. Coey - 1997 - Solid State Communications
Authors: J. M.D. Coey

My Library Go To Mendeley OK Cancel

μαγνητικών υλικών είναι τα **σιδηρομαγνητικά** με χ $\chi \approx 50 \mu\epsilon 10^4$. Τα υλικά αυτά έχουν πολύ μεγαλύτερη του 1 ($\chi \approx 50 \mu\epsilon 10^4$). Τα υλικά αυτά έχουν ροπές με παράλληλο προσανατολισμό και αυτό τα καθιστά και ως τα πιο ευρέως χρησιμοποιούμενα μαγνητικά υλικά για παραμαγνητικά και τα διαμαγνητικά υλικά για σταθερή θερμοκρασία εμφανίζουν σταθερή μαγνητική διαπερατότητα και επιδεκτικότητα ενώ στα σιδηρομαγνητικά εμφανίζουν μία μεταβλητότητα ανάλογα με τα εξωτερικά επιβαλλόμενα πεδία και την κατάσταση του υλικού [1], [3].

Διαμαγνητικά υλικά
H=0 H →

Παραμαγνητικά υλικά
H=0 H →

Σιδηρομαγνητικά υλικά
H=0 H →

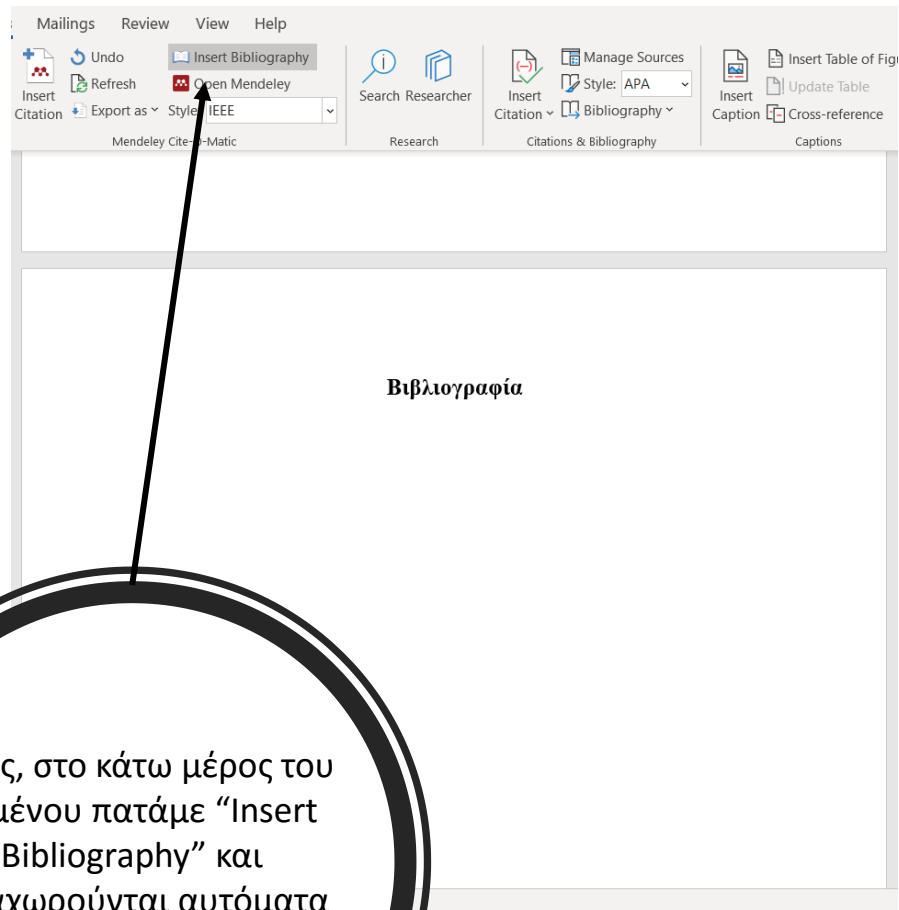
Σχήμα 1.2 Οι μαγνητικές ροπές των μαγνητικών υλικών ανάλογα με την τάξη στην οποία ανήκουν, με και χωρίς την παρουσία μαγνητικού πεδίου H.

Επιπροσθέτως υπάρχουν είδη μαγνητικής τάξης μαγνητικών υλικών όμοιες των σιδηρομαγνητικών υλικών, οι οποίες διαφέρουν ως προς τη διεύθυνση ή/και το μέτρο των μαγνητικών ροπών. Πρόκειται για τα **αντισιδηρομαγνητικά υλικά** τα οποία εμφανίζουν μαγνητική τάξη (σαν σιδηρομαγνητικά υλικά) σε χαμηλές θερμοκρασίες, αλλά σε υψηλές θερμοκρασίες η μαγνητική τάξη χάνεται και τα υλικά αυτά συμπεριφέρονται ως παραμαγνητικά υλικά.

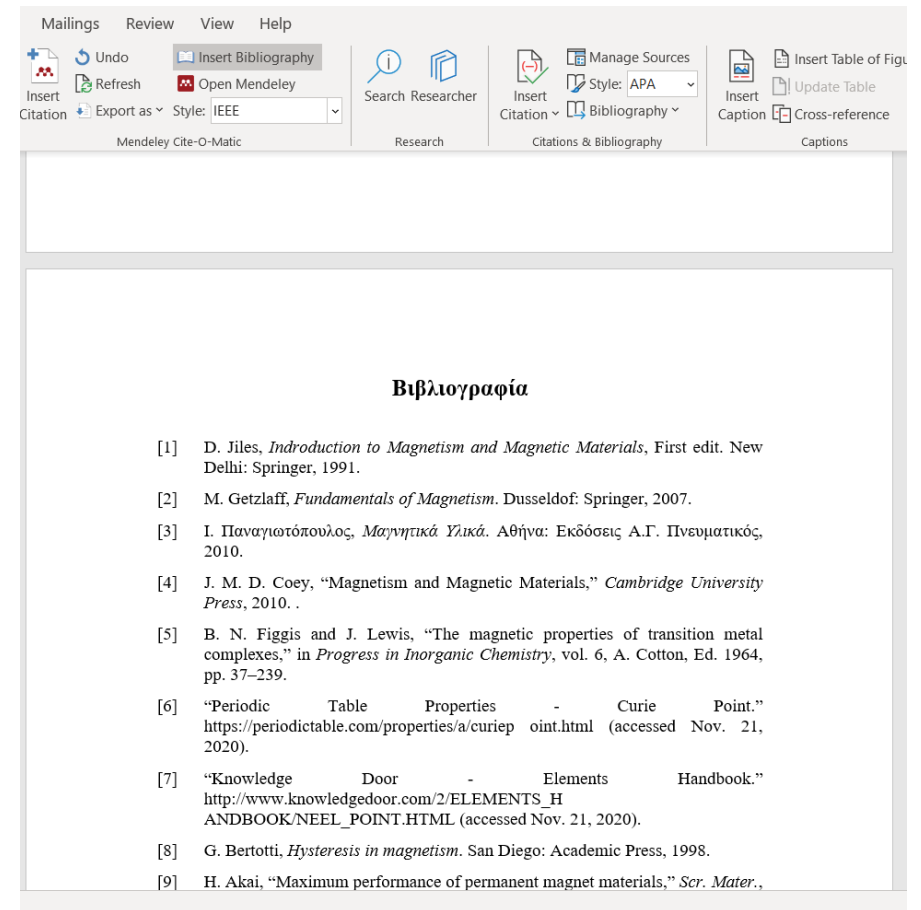
Word is waiting for you to cite a document using Mendeley

Τοποθετούμε τον κέρσορα στο σημείο του κειμένου που επιθυμούμε να προσθέσουμε την αναφορά, πατάμε "Insert Citation" και αναζητούμε το αρχείο που ήδη έχουμε προσθέσει στο Mendeley

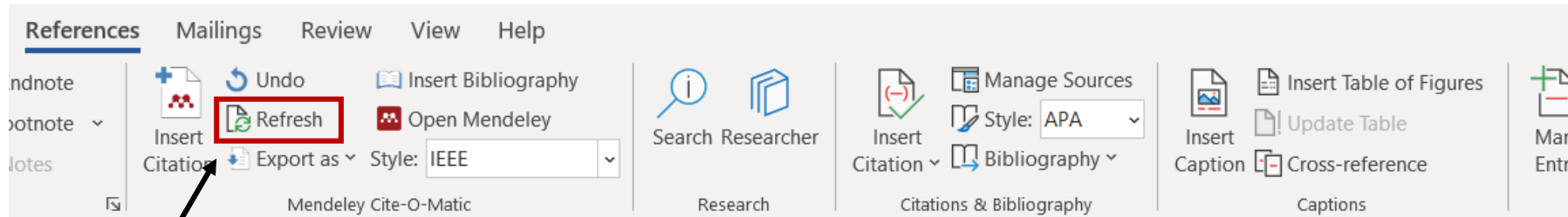
Προσθήκη Βιβλιογραφίας



“Insert Bibliography”



Ανανέωση Βιβλιογραφίας



66

Μετά από κάθε αλλαγή πατάμε “Refresh” για να ενημερωθεί η βιβλιογραφία.

Βιβλιογραφία

- [1] D. Jiles, *Introduction to Magnetism and Magnetic Materials*, First edition, Springer, 1991. Delhi: Springer, 1991.
- [2] M. Getzlaff, *Fundamentals of Magnetism*. Dusseldorf: Springer, 2007.
- [3] Ι. Παναγιωτόπουλος, *Μαγνητικά Υλικά*. Αθήνα: Εκδόσεις Α.Γ. Πνευματικής, 2010.
- [4] J. M. D. Coey, “Magnetism and Magnetic Materials,” *Cambridge University Press*, 2010. .
- [5] B. N. Figgis and J. Lewis, “The magnetic properties of transition metal complexes,” in *Progress in Inorganic Chemistry*, vol. 6, A. Cotton, Ed. London: Butterworths, 1966, pp. 37–239.
- [6] “Periodic Table Properties - Curie Point”

Προσοχή!
Όλες οι χειροκίνητες αλλαγές στην βιβλιογραφία αναιρούνται με το “Refresh”. Γι’ αυτό κάθε αλλαγή στη βιβλιογραφία πρέπει να γίνεται μέσα από το Mendeley και όχι από το Word.

Type: Book

Magnetism and Magnetic Materials

Authors: J. Coey

View research catalog entry for this paper

Publication: Cambridge University Press

Year: 2010

Pages: 614

Abstract:

A new permanent magnet Nd15Fe77B8 (NEOMAX) and a related compound Nd2Fe14B are studied by 57Fe Mössbauer spectroscopy. The crystal structure of the space group P42/mnm (D144h) proposed by X-ray and neutron diffraction studies is confirmed through the analyses of Mössbauer spectra which consist of six subspectra corresponding to six nonequivalent Fe sites. One of the Fe sites, the j2-site, which is sandwiched between two Fe hexagons, shows a large magnetic hyperfine field of 346.6 kOe and a large quadrupole splitting of 0.60 mm/s at room temperature. The Fe atoms adjacent to the Nd and/or B atoms show smaller hyperfine fields. It is found out that the spin direction of Fe atoms which ...

Tags:

Author Keywords:

City:

Edition:

Editors:



ScienceDirect

Google
scholar

Scopus[®]

