

# **Usage of EndNote Program in Documentation**

**prepare by  
Ms. Fatima Bajafar**



# Objectives

- **Create EndNote libraries and enter references in them**
- **Import references from online databases.**
- **Use EndNote with Microsoft Word to create and format citations (Using Cite-While-You-Write)**



# What is Endnote?

- Endnote is bibliographic reference manager, which allows you to maintain a personal library of all your references to books, journal articles, theses and website.
- It also allows you to search online bibliographic databases and library catalogues and import these references directly into EndNote.

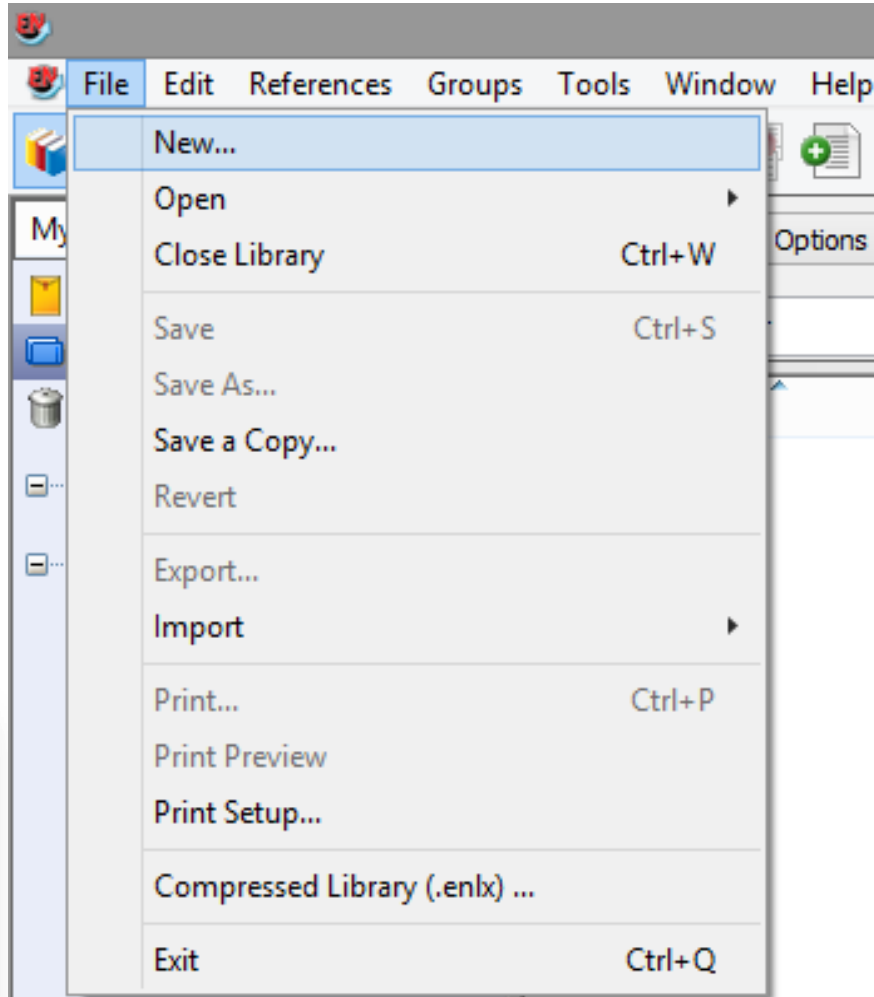
## Brining References into Endnote

There are two ways to bring references into EndNote:

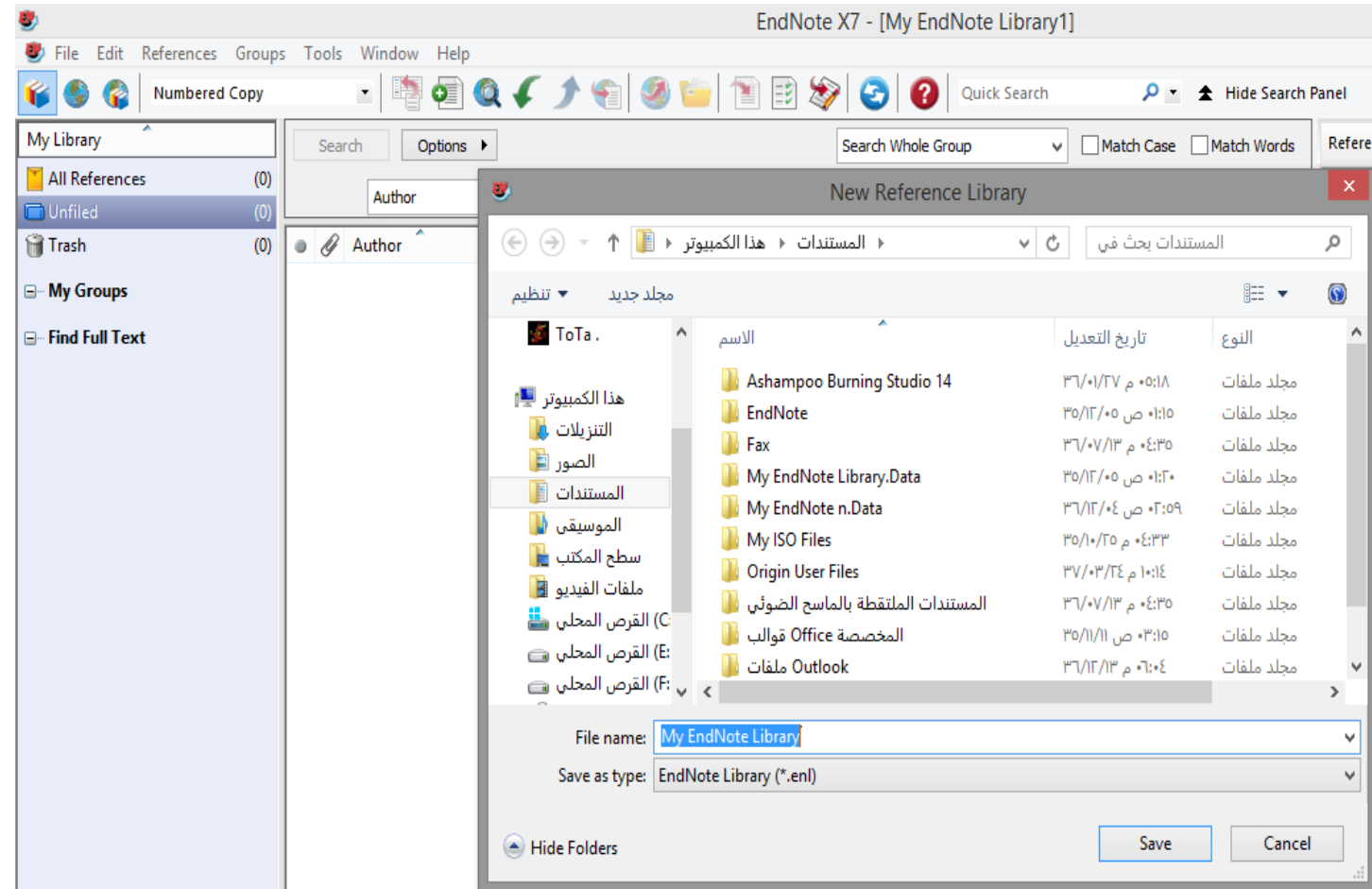
- Entering reference manually
- Importing references

# Create Endnote Library

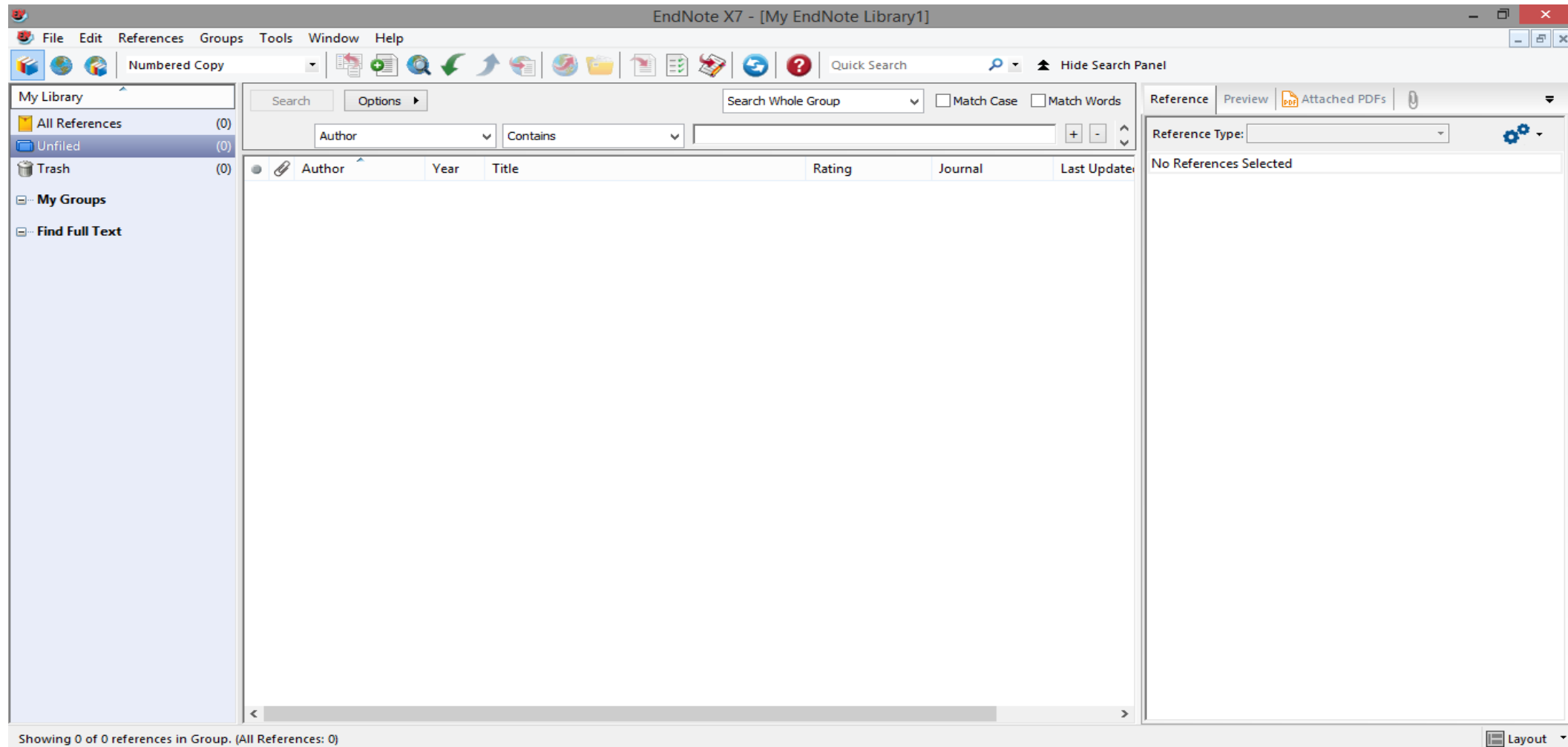
- 1- Start Endnote
- 2- From file menu choose **NEW**



- 3- In the Save in dropdown box, navigate to the folder in which you would like to save your new library.
- 4- In the File name box, enter for new library, and click the save button



5- a new, blank library will be displayed in the main End Note window, as shown:

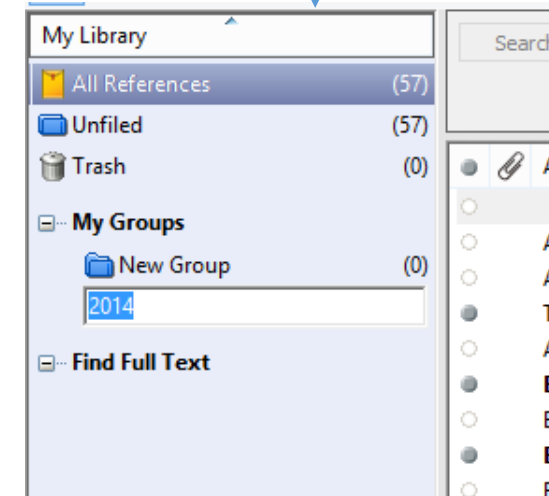
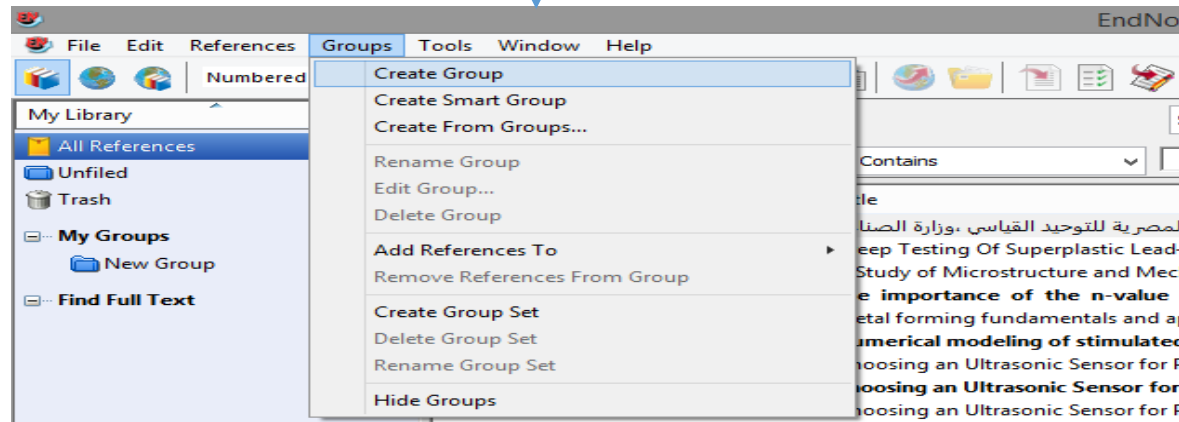


☞ Once you've your library, you're ready to **import**, or **manually enter** references.

# • To create group

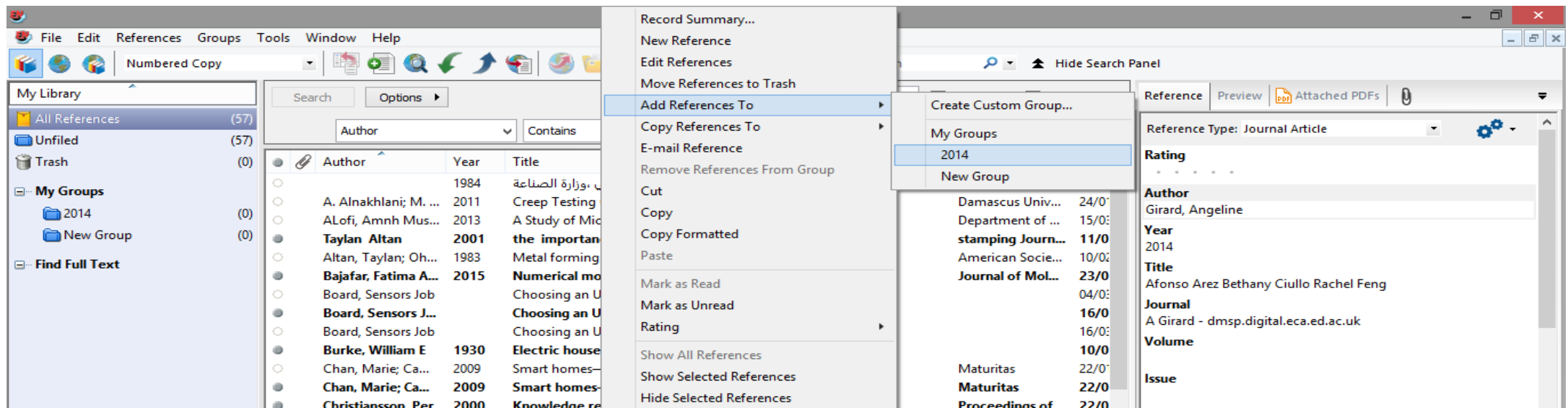
Click on groups menu → create group

Name your group



# Adding reference to your group:

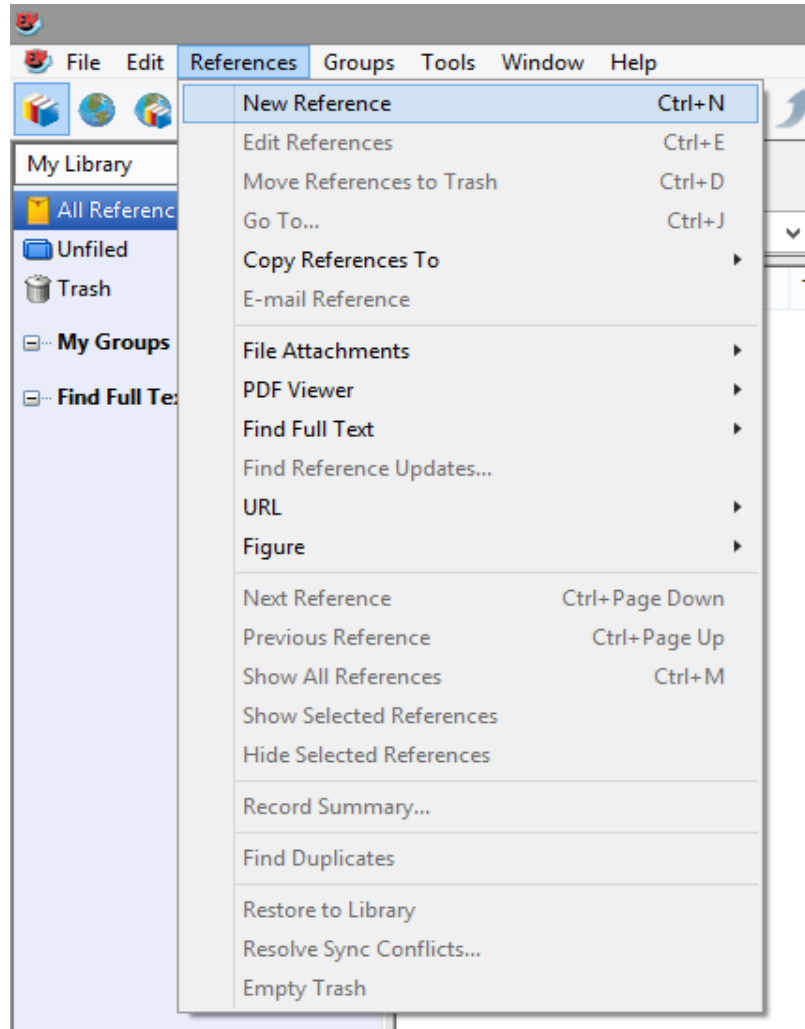
Right-click on the reference you to add it to your group → add reference to (your Group Name)



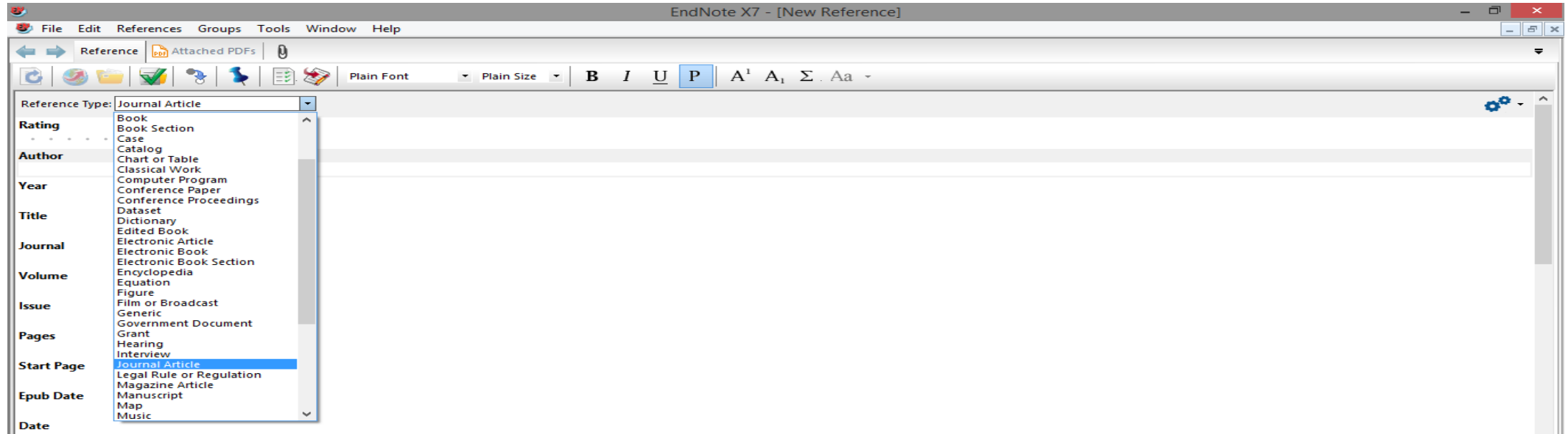
# Entering a Reference Manually

To enter a new reference into an EndNote library:

1- Select **References** → **New References** from the on screen dropdown menu top-left

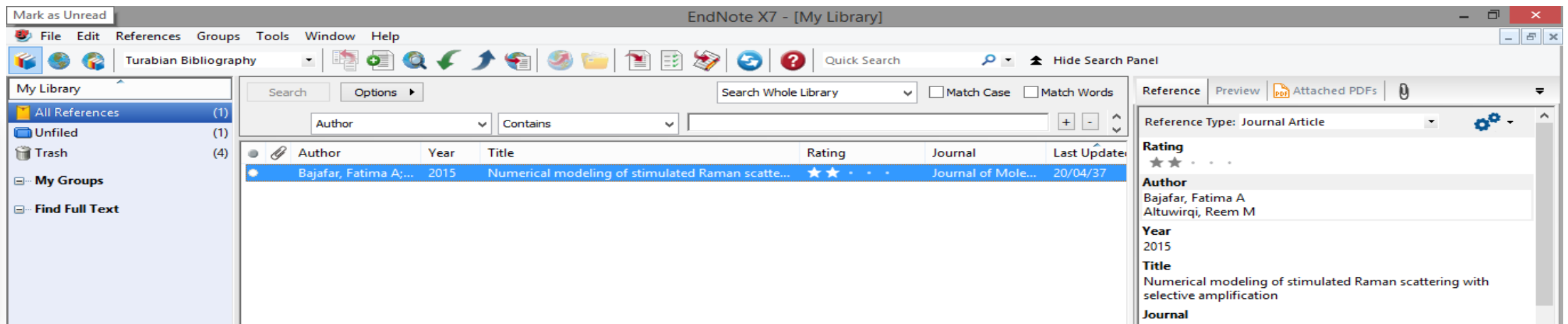


## 2- Select the appropriate readymade reference template



## 3- Enter bibliographic data into each of the fields

When you're finished entering the reference, click **X** button at the top right of the new reference window to return to the library window. **EndNote will automatically save the record.**





Groups Tools Window Help

Quick Search  Hide Search Panel

Search  Options  Search Whole Library  Match Case  Match Words

Author  Contains

	Author	Year	Title	Rating	Journal	Last Update
(1)	Bajafar, Fatima A...	2015	Numerical modeling of stimulated Raman scatte...	★★	Journal of Mole...	22/04/37

1-s2.0-S0022285215300084-main\_3.pdf

Journal of Molecular Spectroscopy 518 (2015) 44–49

Contents lists available at ScienceDirect

Journal of Molecular Spectroscopy

journal homepage: www.elsevier.com/locate/jms

Numerical modeling of stimulated Raman scattering with selective amplification

Fatima A. Bajafar, Reem M. Altuwangi\*

Physics Department, Faculty of Science, King Abdulaziz University, P.O. Box 4965, Jeddah 21501, Saudi Arabia

**ARTICLE INFO**

Article history:  
Received 11 September 2015  
in final form 12 October 2015  
Accepted 10 October 2015  
Available online 23 October 2015

**Keywords:**  
Stimulated Raman scattering  
Stokes line amplification  
Raman frequency shifting  
Stimulated emission  
Numerical modeling

**ABSTRACT**

This work suggests a mathematical model to simulate Stimulated Raman Scattering (SRS) with selective amplification of specific Stokes lines. This phenomena was observed experimentally when the laser excitation energy ( $\omega_1$ ) was above the dissociation energy of the Raman medium ( $\omega_0$ ), while the Stokes line showing amplification was in close proximity of an atomic resonance line. The proposed numerical model suggests an influence of a stimulated emission factor in addition to the normal SRS behavior. This model was applied to the Raman medium of  $H_2$  gas with the fourth harmonic of the Nd:YAG laser, 266 nm. At this wavelength, the energy of the laser excitation source is above the dissociation limit of  $H_2$  gas. In addition, the Stokes 3 line is in close proximity of the Balmer 3 line. A comparison between simulated and experimental results was undertaken which showed good agreement. This concluded that the proposed model, which took stimulated emission into consideration, was a good explanation for the high conversion efficiency of the third Stokes line as compared to other observed Stokes lines. The model also aided in the understanding of the selective amplification process of specific Stokes lines and the factors that influenced it.

© 2015 Elsevier Inc. All rights reserved.

**1. Introduction**

The discovery of lasers is regarded as the most important discovery of the century. The wide use of lasers in medical applications, industry, communications, science and numerous fields is very apparent. For new applications to be feasible, there is an urgent need for new lasers with multiple wavelengths and high intensity. One of the methods to produce radiations with different wavelengths is to convert wavelength lines via region of the electromagnetic spectrum to another through the process of Stimulated Raman Scattering (SRS). SRS is an inelastic scattering of radiation. During an interaction which generates Stokes and anti-Stokes lines that are separated by the vibrational frequency of the molecule.

Among the first work of SRS in gases was that of Mink et al. in 1963 where the pump light used was a ruby laser [1]. SRS spectra excited with frequencies below the dissociation energy of the Raman media was observed by many workers [2–4]. To the contrary, only a few researcher have studied SRS when the exciting laser energy is above the dissociation limit of the Raman medium [7–9]. However, most of these investigations [7–9] have reported any abnormal behavior in the intensity of the observed Stokes lines.

In the work of Gendral and Dastgheer [10], the SRS spectrum of  $H_2$  gas as a Raman medium was observed using the Nd:YAG fourth harmonic wavelength of 266 nm ( $10^{12}$  W cm $^{-2}$ ). The energy of the exciting photons is higher than the dissociation energy of the  $H_2$  gas ( $16.118$  eV $^{-1}$ ). The experimental spectra of the SRS of  $H_2$ , which excited by a 266 nm laser wavelength, showed an amplification of the Stokes 3 line. Moreover, they observed an amplification of Stokes 3 line that increased with increasing laser energy. They have reported a conversion efficiency of 18% for the Stokes 3 line when laser energy reached 22 mJ, while no such amplification was observed in any of the other Stokes lines in the same experiment. Even though the work of Tsvetkalis et al. [6] have investigated the SRS spectrum of  $H_2$  gas using the fourth harmonic wavelength of 266 nm as did Gendral and Dastgheer [10], they have not reported any selective amplification in any of the Stokes lines. The main reason behind this is that Tsvetkalis et al. [6] extended up to Stokes 2 line only, whereas Gendral and Dastgheer [10] have extended their range of observation up to Stokes 5 line. Hence, the selective amplification phenomena in the Stokes 3 line was observed in Gendral and Dastgheer [10] work and not in that of Tsvetkalis et al. [6]. To our knowledge, the work of Gendral and Dastgheer [10] is the only example for SRS when laser wavelength is above the

\* Corresponding author.  
E-mail address: reem@physics.uj.edu.sa (R.M. Altuwangi).

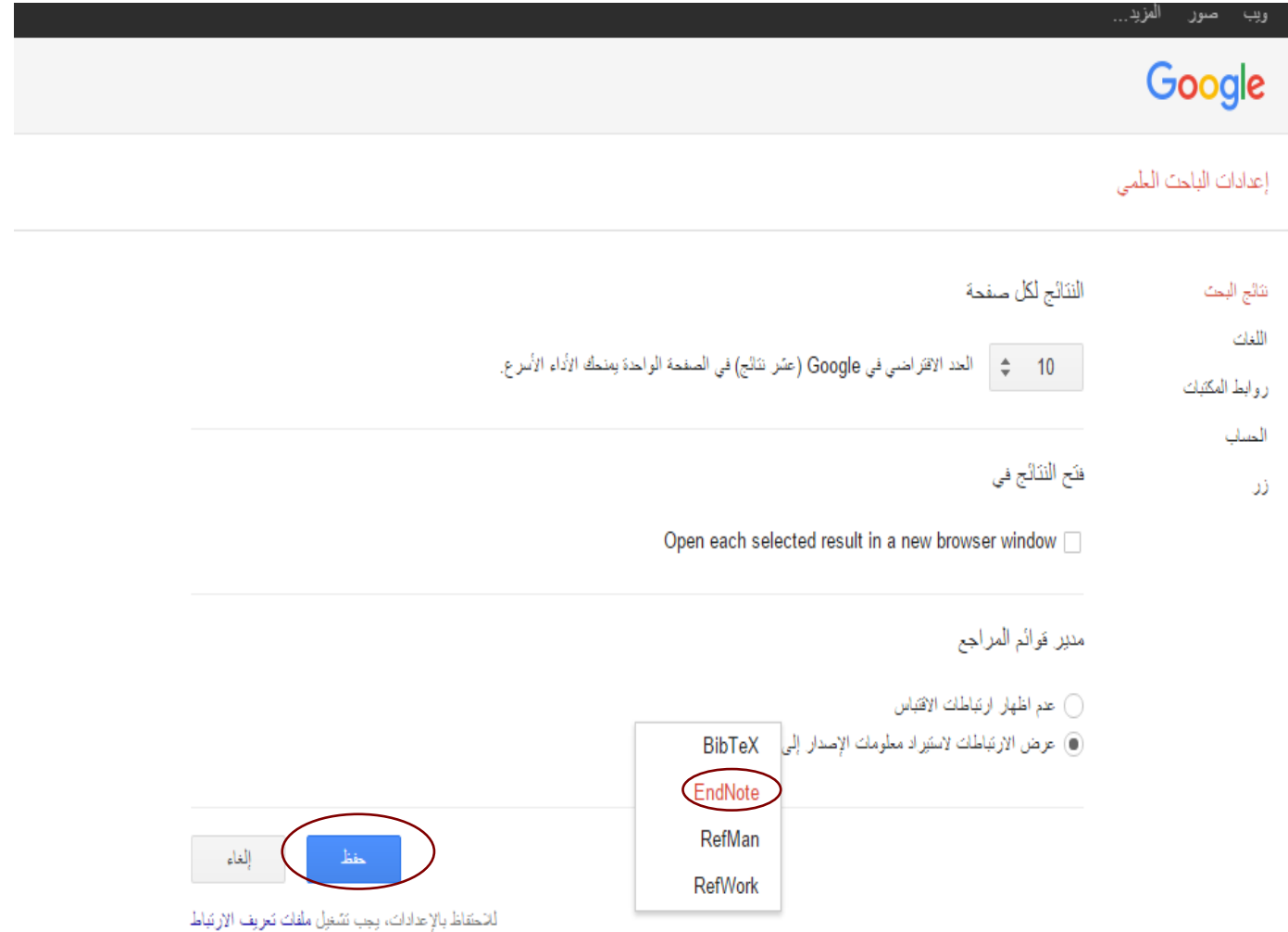
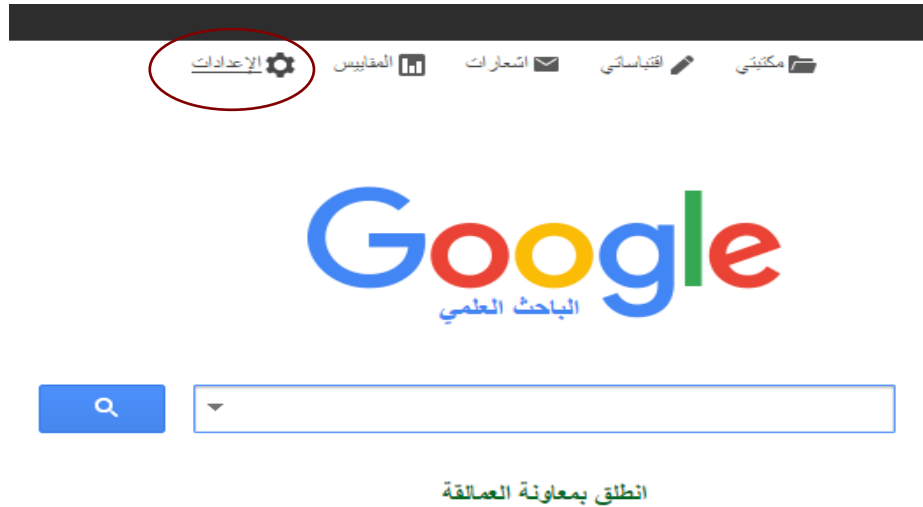
0022-2852/\$ – see front matter © 2015 Elsevier Inc. All rights reserved.

ENDNOTE

# Importing References

- Example

<http://scholar.google.com/>





Numerical modeling of stimulated Raman



حوالي 2,580 من النتائج (0.03 من التواني)

الباحث العلمي

نصيحة: بحث عن النتائج باللغة العربية فقط . يمكنك تحديد لغة البحث في إعدادات الباحث العلمي.

المقالات

**Numerical modeling of stimulated Raman scattering with selective amplification**

Elsevier - FA Bajafar, RM Altuwirqi - Journal of Molecular Spectroscopy, 2015

Abstract This work suggests a mathematical model to simulate **Stimulated Raman Scattering** (SRS) with selective amplification of specific Stokes lines. This phenomena was observed experimentally when the laser excitation energy (EL) was above the dissociation energy ...

استيراد إلى EndNote حفظ المزيد

مكتبي

أي وقت

منذ 2016

منذ 2015

منذ 2012

نطاق مخصص...

Experimental and **numerical** study on chirped transient **stimulated Raman** scattering in dispersive medium

Elsevier - X Guo, Y Leng, Y Li, X Zou, J Lu, W Li, X Lu, Y Xu... - Optics ..., 2015

... Experimental and **numerical** study on chirped transient **stimulated Raman** scattering in ethanol have ... studies have investigated the transient SRS (TSRS) analytically and **numerically** [9], [10 ... TSRS **modeling** neglecting dispersion has shown that the phase difference between the ...

مقالات ذات صلة الإصدارات الـ 2 كلها استيراد إلى EndNote حفظ المزيد

تصنيف بحسب الصلة

تصنيف بحسب التاريخ

من [PDF] isijournal.info

**Numerical** Study of Pumping Configurations on the Output Power, Efficiency and Optimal Fiber Length and Reflectivity of Output Couplers in the Photonic Crystal ...

isijournal.info - EH Atayi, SAH Moradi, M Salimi - International Science and ..., 2015

... and two end) configurations are **numerically** simulated ... 87 (2005) 031106-1-031106-3. Halil Berberoglu, HI Tarman, The **numerical** study of pumping ... Zarinabadi, Soroush., Samimi, Amir., Mohammad Sadegh Marouf., "**Modeling** and Simulation for Olefin Production in Amir Kabir ...

مقالات ذات صلة الإصدارات الـ 2 كلها استيراد إلى EndNote حفظ المزيد

 تضمين براءات الاختراع تضمين المراجع إنشاء تنبيه

<http://www.worldcat.org/>



**Find items in libraries near you**  
2 billion items available here through a library

[Everything](#) [Books](#) [DVDs](#) [CDs](#) [Articles](#)

[Advanced search](#) | [Find a Library](#)

WorldCat connects you to the collections and services of more than 10,000 libraries worldwide [Learn more >>](#)

This site uses cookies. By continuing to use the site, you are agreeing to OCLC's placement of cookies on your device. [Find out more here](#)



optics

[Advanced Search](#) [Find a Library](#)

Search results for 'optics' > 'Book'

**Format**

All Formats

- Book (314609)
- Print book (179427)
- Thesis/dissertation (75990)
- Microform (5928)
- eBook (3460)
- Large print (49)
- Braille Book (19)

**Refine Your Search**

**Author**

- [Society Of Photo-...](#) (1590)
- [Lawrence Livermor...](#) (1543)
- [United States](#) (1374)
- [Lawrence Livermor...](#) (1221)
- [Lawrence Livermor...](#) (1115)
- [Show more ...](#)

Results 1-10 of about 314,609 (1.43 seconds)

[Select All](#) [Clear All](#)

Save to:

1.  **Optics**  
by Eugene Hecht  
 Print book [View all formats and languages >](#)  
Language: English  
Publisher: Reading, Mass. : Addison-Wesley, ©2002.  
Database: WorldCat  
[View all editions >](#)

2.  **Optics**  
by W H A Fincham; M H Freeman  
 Print book [View all formats and languages >](#)  
Language: English  
Publisher: London ; Boston : Butterworths, 1980.  
Database: WorldCat  
[View all editions >](#)



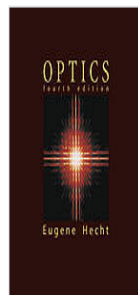
[Advanced Search](#) [Find a Library](#)

[Return to Search Results](#)

-  [CiteExport](#)
-  [Print](#)
-  [E-mail](#)
-  [Share](#)
-  [Permalink](#)

Copy or export a bibliographic citation for this title


[Add to list](#) [Add tags](#) [Write a review](#) Rate this item: ☆☆☆☆



## Optics


Author: [Eugene Hecht](#)

Publisher: Reading, Mass. : Addison-Wesley, ©2002.

Edition/Format:  Print book : English : 4th ed [View all editions and formats](#)

Database: WorldCat

Summary: Accurate, comprehensive and precise, this revision provides students with the most up-to-date coverage of optics. Responsive to students' needs, the focus of the revision was to fine-tune the pedagogy, modernize the discourse, and update the content. This book continues the gradually modernizing treatment of the previous edition by imparting an appreciation of the central role of atomic scattering, providing an [Read more...](#)

Rating: ☆☆☆☆ (not yet rated)  0 with reviews - Be the first.

Subjects: [Optics.](#)  
[Optics and Photonics.](#)  
[Optica.](#)

[View all subjects](#)

More like this [User lists](#) [Similar Items](#)

### Nearby libraries

[King Abdul Aziz University](#)  
Jeddah 21589, Saudi Arabia  
4m / 5.4km

[King Abdulaziz University](#)  
Jeddah 21481, Saudi Arabia  
4m / 6.1km

[King Abdulaziz Univ](#)  
Jeddah 21481, Saudi Arabia

Librarian? [Claim your library](#)

This site uses cookies. By continuing to use the site, you are agreeing to OCLC's placement of cookies on your device. [Find out more here.](#)



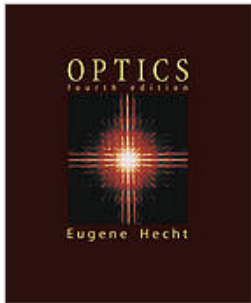
Search

[Advanced Search](#) | [Find a Library](#)

[<< Return to Search Results](#)

Cite/Export Print E-mail Share Permalink

Add to list Add tags Write a review Rate this item: ☆☆☆☆☆



## Optics

Author: [Eugene Hecht](#)  
Publisher: Reading, Mass. : Addison-Wesley, ©2002.  
Edition/Format: Print book : English : 4th ed [View all editions and formats](#)  
Database: WorldCat  
Summary: Accurate, comprehensive and precise, this revision meets the needs, the focus of the revision was to fine-tune the gradually modernizing treatment of the previous edition.  
[Read more...](#)  
Rating: ☆☆☆☆☆ (not yet rated) 0 with reviews - Be the first to write a review  
Subjects: [Optics.](#)  
[Optics and Photonics.](#)  
[Optica.](#)  
[View all subjects](#)  
More like this [User lists](#) [Similar Items](#)

Cite/Export

### Copy a citation

- APA (6th ed.)
- Chicago (Author-Date, 15th ed.)
- Harvard (18th ed.)
- MLA (7th ed.)
- Turabian (6th ed.)

---

### Export a citation

[Export to RefWorks](#) [Export to EndNote / Reference Manager](#) [Export to EasyBib](#)  
[Export to EndNote / Reference Manager\(non-Latin\)](#) [Cancel](#)

**Note:** Citations are based on reference standards. However, formatting rules can vary widely between applications and fields of interest or study. The specific requirements or preferences of your reviewing publisher, classroom teacher, institution or organization should be applied.

### Nearby libraries

- [King Abdul Aziz University](#)  
Jeddah 21589, Saudi Arabia  
4m / 5.4km
- [King Abdulaziz University](#)  
Jeddah 21481, Saudi Arabia  
4m / 6.1km
- [King Abdulaziz Univ](#)  
Jeddah 21481, Saudi Arabia

Librarian? [Claim your library](#)

ENDNOTE

The screenshot displays the EndNote X7 application window titled "EndNote X7 - [My EndNote Library]". The interface includes a menu bar (File, Edit, References, Groups, Tools, Window, Help), a toolbar with various icons, and a search bar. On the left, a "My Library" pane shows categories: "All References (52)", "Imported Referenc... (1)", "Unfiled (52)", and "Trash (10)". Below these are "My Groups" and "Find Full Text". The main area features a search filter set to "Author" and "Contains", with a search box. A table of references is shown with the following columns: Author, Year, Title, Rating, Journal, Last Updated, and Reference Type. One reference is selected and highlighted in blue:

Author	Year	Title	Rating	Journal	Last Updated	Reference Type
Wolf, E.; Bunning...	2013	Progress in optics. Volume fifty eight Volume f...	. . . . .		22/04/37	Web Page

On the right side, a "Details" pane for the selected reference is visible, showing fields for Rating, Author (Wolf, E. Bunning, Timothy), Year (2013), Title (Progress in optics. Volume fifty eight Volume fifty eight), Series Editor, Series Title, Place Published, Publisher, Access Year, Access Date, and Description.

# Using Cite While you Write in MS Word

Once EndNote is installed, the Cite While You Write (CWYW) tools appear in toolbar at the top of the MS Word, like this:

The image shows two screenshots of Microsoft Word with the EndNote X7 ribbon active. The top screenshot shows the ribbon with the 'Insert Citation(s)' button highlighted. The bottom screenshot shows the 'Insert Citation(s)' dropdown menu open, displaying options like 'Insert Selected Citation(s)', 'Insert Citation(s)', and 'EndNote Cite While You Write'. The text in the document reads: "When the laser energy exceeds the dissociation energy of the Raman medium, the".

1- choose the place that you want to put the citation.



## The citation

When the laser energy exceeds the dissociation energy of the Raman medium, the molecule dissociates. Therefore, atoms will be present in the medium along with molecules and both will be available to absorb the laser light photons [1]. In addition, atomic emission lines might be present along with the SRS spectrum. When any

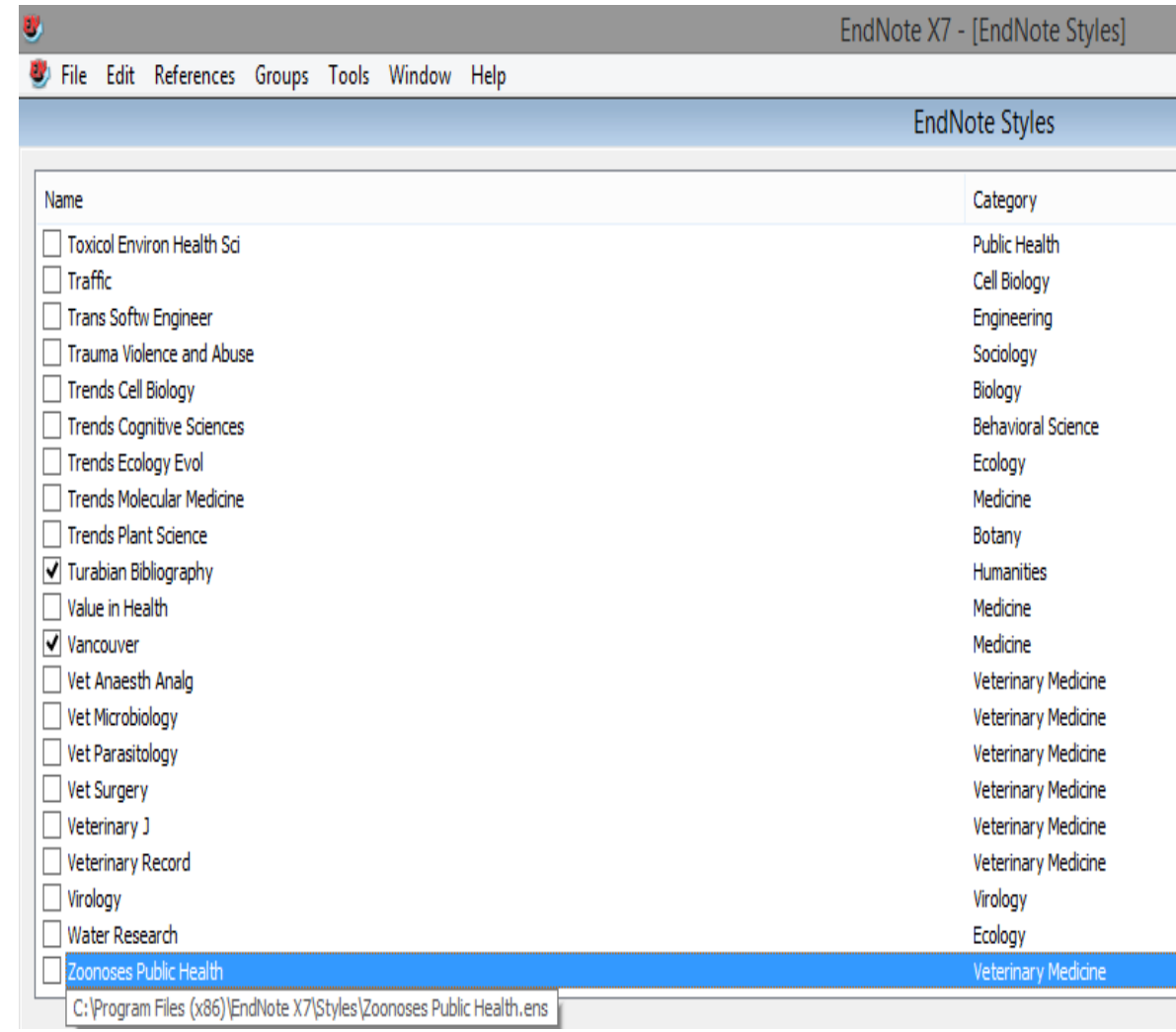
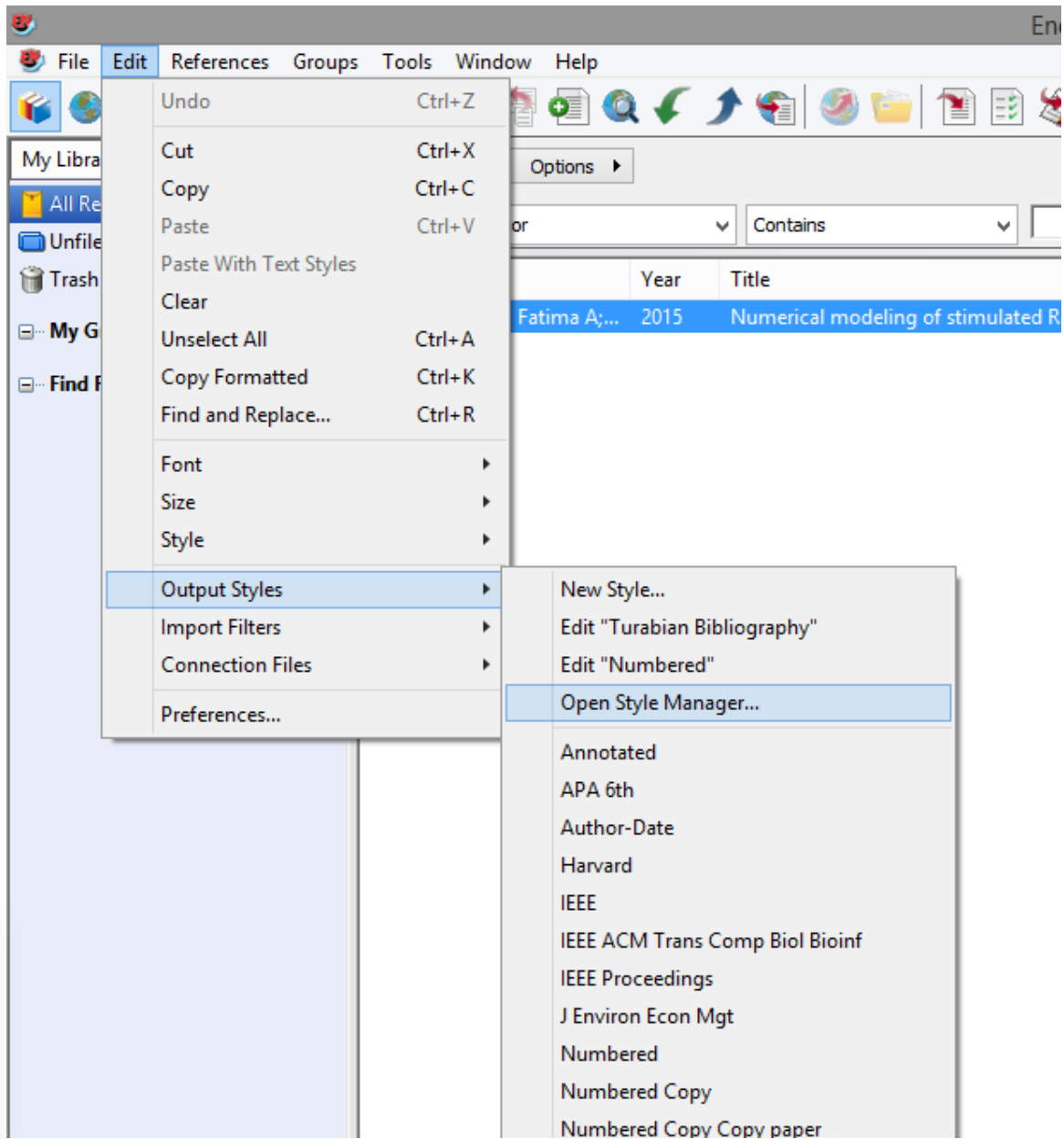
higher than the dissociation energy of the Raman media. Moreover, to find atomic lines in close proximity of the Stokes lines which will assist in amplifying the Stokes or anti-Stokes lines.

1. Bajafar, F.A. and R.M. Altuwirqi, *Numerical modeling of stimulated Raman scattering with selective amplification*. Journal of Molecular Spectroscopy, 2015. **318**: p. 64-69.

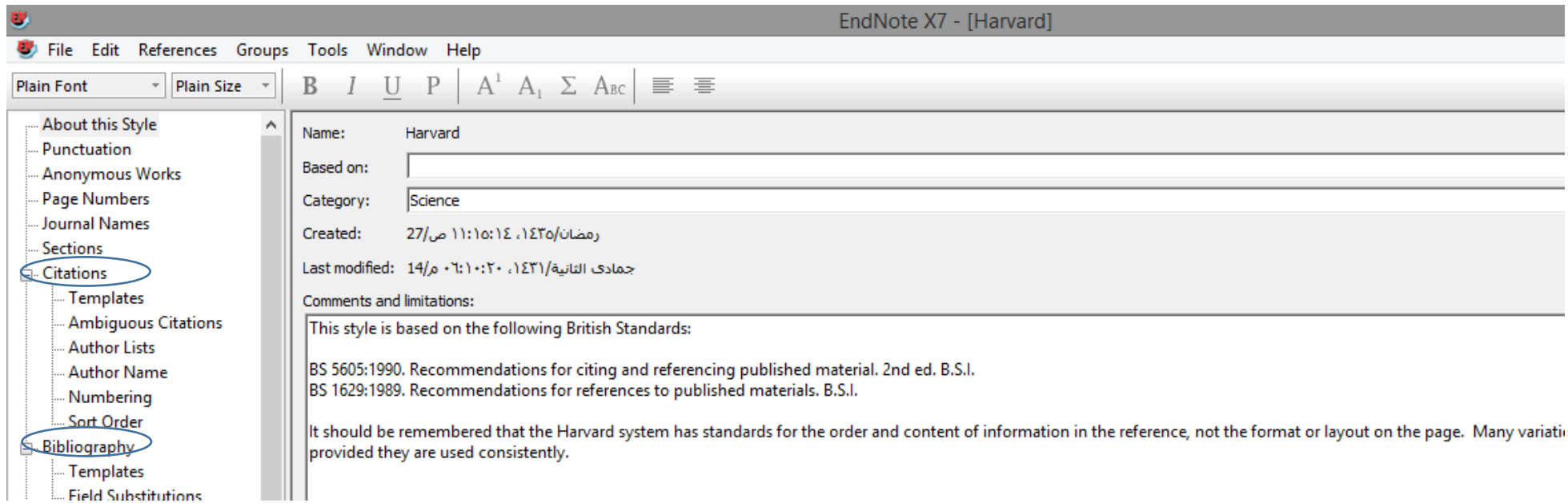
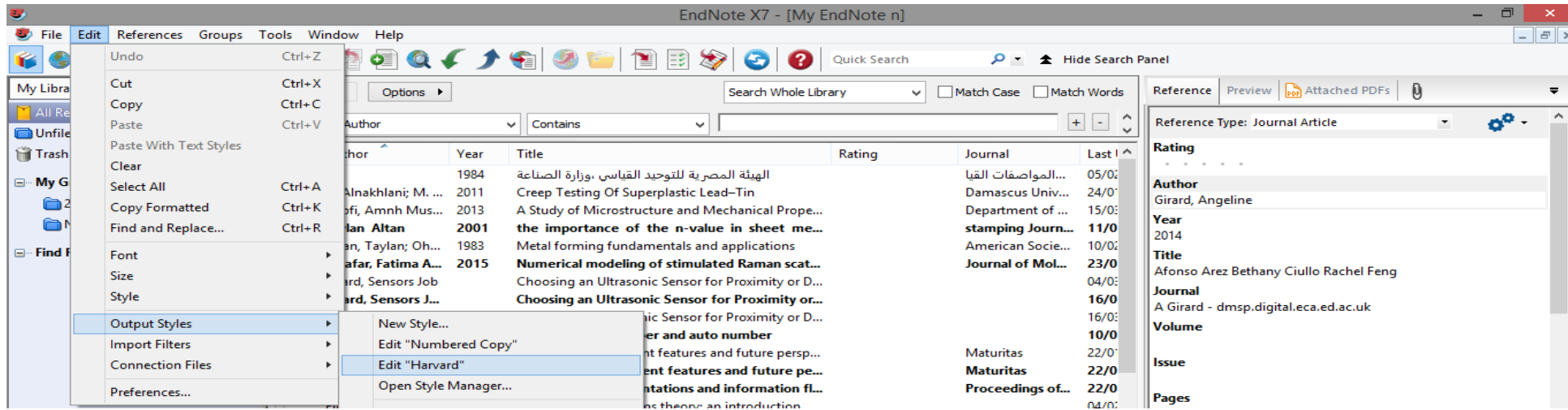
## Change the output style

When the laser energy exceeds the dissociation energy of the Raman medium, the molecule dissociates. Therefore, atoms will be present in the medium along with molecules and both will be available to absorb the laser light photons (Bajafar and Altuwirqi, 2015). In addition, atomic emission lines might be present along with the SRS spectrum. When any Stokes line is in close proximity of any atomic line wavelength, the atomic line can enhance and amplify its intensity as a result of stimulated emission.

The screenshot shows the EndNote X7 interface. The 'Style' dropdown menu is open, displaying various citation styles such as Annotated, APA 6th, Author-Date, Harvard, IEEE, IEEE ACM Trans Comp Biol Bioinf, IEEE Proceedings, J Environ Econ Mgt, Numbered, Numbered Copy, Numbered Copy Copy paper, Show All Fields, Turabian Bibliography, and Vancouver. The 'Harvard' style is currently selected. In the background, the 'References' list is visible, showing a list of references with the author 'A. Alnakhilani; M. ALofi, Amnh Mus' and the title 'Taylan Altan'. The 'Turabian Bibliography' style is selected in the 'Style' dropdown.



# Editing references



*Thank you*