



My Specialities



- Contact with clients
- Databases
- Training
- Bibliometrics Research evaluation



Contact with clients



- Visiting clients regularly
 - visibility
 - grievances (listen and do something about it)
 - what do they work on (attend meetings, research days and open lectures)
 - new developments/courses



Contact with clients (contd)



E-mails

- List servs of clients
- Create groups on e-mail
- New Book and Journal announcements
- Newsletters



Databases Collection building



- Know applicable databases in field
- Evaluate them regularly
- New databases in field
- Compare with current ones



Database usage

- Proper searching skills
- Knowledge of applicable databases
- Tutorials and help screens
- Alerts, RSS feeds
- Usage statistics



Training



- Acquire training and presentation skills
- Connected to assignment
- Cooperate with lecturer objectives
- Not too much at a time
- Make powerpoint available



Contents of training



HOW

- Analyse the topic
- Identification of keywords
- Use of Boolean operators

WHERE

- Catalogue (encyclopaedias, handbooks)
- Relevant databases
- Internet



Contents of training (contd.)



Report writing

- Copyright
- Plagiarism
- Referencing techniques

Where to publish

- Accredited journals (JCR, DOE list)
- Citations and H-index

Lifelong learning



Bibliometrics – Research evaluation



Journal evaluation

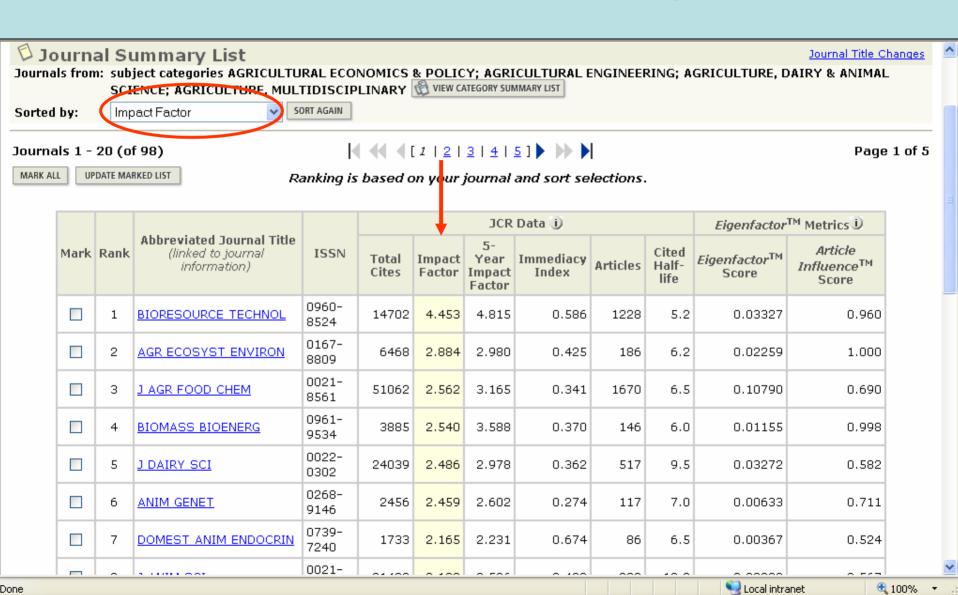
- ISI JCR (Journal Citation Reports)
- Scopus Journal analyzer

Uses

- Where to publish
- Collection building



ISI Journal Citation Report



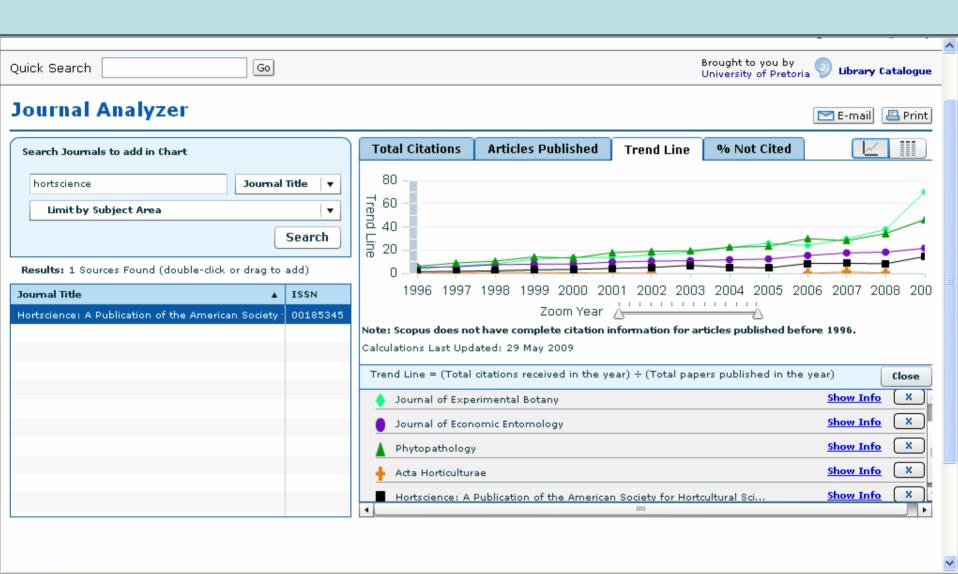
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Bibliometrics (contd)

- Author Citations and H-index
 - ISI Web of Science
 - Scopus
- NRF
 - Funding
 - Rating researchers
- Other uses
 - Evaluation of staff
 - New Appointments





To determine the H-index, do an author search and organise the articles according to citation

Ţ	Document (sort by relevance)	Author(s)	Date	Source Title	∨ Cited By	^
1.	Electrical characterization of 1.8 MeV proton-bombarded ZnO Abstract + Refs View at Publisher Show Abstract	Auret, F.D., Goodman, S.A., Hayes, M., Legodi, M.J., Van Laarhoven, H.A., Look, D.C.	2001	Applied Physics Letters 79 (19), pp. 3074-3076	<u>124</u>	
2.	Electrical characterization of vapor-phase-grown single- crystal ZnO <u>Abstract + Refs</u> <u>View at Publisher</u>	Auret, F.D., Goodman, S.A., Legodi, M.J., Meyer, W.E., Look, D.C.	2002	Applied Physics Letters 80 (8), pp. 1340	<u>68</u>	
3. 🔲	Proton bombardment-induced electron traps in epitaxially grown n-GaN Abstract + Refs View at Publisher	Auret, F.D., Goodman, S.A., Koschnick, F.K., Spaeth, JM., Beaumont, B., Gibart, P.	1999	Applied Physics Letters 74 (3), pp. 407-409	<u>53</u>	=
4. 🗌	Electrical characterization of two deep electron traps introduced in epitaxially grown n-GaN during He-ion irradiation Abstract + Refs View at Publisher Show Abstract	Auret, F.D., Goodman, S.A., Koschnick, F.K., Spaeth, J-M., Beaumont, B., Gibart, P.	1998	Applied Physics Letters 73 (25), pp. 3745-3747	<u>51</u>	
5. 🔲	The influence of high energy proton bombardment on the electrical and defect properties of single-crystal ZnO <u>Abstract + Refs</u> <u>View at Publisher</u> <u>Show Abstract</u>	Auret, F.D., Goodman, S.A., Hayes, M., Legodi, M.J., Van Laarhoven, H.A., Look, D.C.	2001	Journal of Physics Condensed Matter 13 (40), pp. 8989-8999	<u>31</u>	
6. 🗌	Sputter deposition-induced electron traps in epitaxially grown n-GaN Abstract + Refs View at Publisher	Auret, F.D., Goodman, S.A., Koschnick, F.K., Spaeth, JM., Beaumont, B., Gibart, P.	1999	Applied Physics Letters 74 (15), pp. 2173-2175	<u>31</u>	
7. 🔲	Radiation induced defects in MOVPE grown n-GaN Abstract + Refs View at Publisher	Goodman, S.A., Auret, F.D., Koschnick, F.K., Spaeth, JM., Beaumont, B., Gibart, P.	2000	Materials Science and Engineering B: Solid-State Materials for Advanced Technology 71, pp. 100- 103	<u>25</u>	
8. 🗆	The effect of alpha-particle and proton irradiation on the electrical and defect properties of n-GaAs	Goodman, S.A., Auret, F.D., Meyer, W.E.	1994	Nuclear Inst. and Methods in Physics	<u>25</u>	~
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The H-index is that amount of articles that have at least that amount of citations or more.

Abstract + Refs View at Publisher Show Abstract Show Abstract		Wu, L., Legodi, M.J., Meyer, W.E., Hayes, M.		B: Chemical 100 (1-2), pp. 270-276	_	^
10. Electrical characterization of defects introd xGex during electron-beam deposition of Sobarrier diodes Abstract + Refs View at Publisher		Mamor, M., Auret, F.D., Goodman, S.A., Myburg, G.	1998	Applied Physics Letters 72 (9), pp. 1069-1071	<u>18</u>	
11. A deep level transient spectroscopy analys and hole traps in bulk-grown GaAs Abstract + Refs View at Publisher Show Abstract	is of electron	Auret, F.D., Leitch, A.W.R., Vermaak, J.S.	1986	Journal of Applied Physics 59 (1), pp. 158-163	<u>18</u>	
12. Thermal stability of rhenium Schottky conta AlxGa1-xN Abstract + Refs View at Publisher	acts on n-type	Zhou, L., Khan, F.A., Cueva, G., Kumar, V., Adesida, I., Sardela Jr., M.R., Auret, F.D.	2002	Applied Physics Letters 81 (9), pp. 1624	<u>17</u>	
13. Electrical characterization of growth-induce bulk-grown ZnO Abstract + Refs View at Publisher Show Abstract	ed defects in	Auret, F.D., Nel, J.M., Hayes, M., Wu, L., Wesch, W., Wendler, E.	2006	Superlattices and Microstructures 39 (1-4), pp. 17-23	<u>16</u>	
14. Summary of Schottky barrier height data or grown n- and p-GaAs Abstract + Refs View at Publisher Show Abstract	n epitaxially	Myburg, G., Auret, F.D., Meyer, W.E., Louw, C.W., Van Staden, M.J.	1998	Thin Solid Films 325 (1- 2), pp. 181-186	<u>16</u>	
15. Electronic and transformation properties of defect introduced in n-type GaAs by α-part Abstract + Refs View at Publisher Show Abstract		Auret, F.D., <u>Erasmus,</u> R.M., <u>Goodman, S.A.,</u> Meyer, W.E.	1995	Physical Review B 51 (24), pp. 17521-17525	<u>16</u>	≡
16. Defect introduction in epitaxially grown n-0 electron beam deposition of Ru Schottky co Abstract + Refs View at Publisher		Auret, F.D., Goodman, S.A., Myburg, G., Koschnick, F.K., Spaeth, JM., Beaumont, B., Gibart, P.	1999	Physica B: Condensed Matter 273-274, pp. 84- 87	<u>14</u>	
17. Electronic and annealing properties of a me implantation induced defect in GaAs Abstract + Refs View at Publisher Show Abstract	etastable He-ion	Auret, F.D., Goodman, S.A., Erasmus, R.M., Meyer, W.E., Myburg, G.	1995	Nuclear Inst. and Methods in Physics Research, B 106 (1-4), pp. 323-327	<u>14</u>	~



























By doing all these, I find my job An Amazing Race and I love it!

