

Web of Science

Wie man „impact“ bekommt ...

dvs-Workshop „Qualitätssicherung“ · Köln · 6. Juli 2007

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Überblick

- Web of Science
- Verfahren
- Kriterien
- Ein Blick in die Datenbanken ...
- Empfehlungen

Web of Science

- Begründet in den 1960er Jahren durch das Institute for Scientific Information (ISI)
- Journal Citation Report (JCR) mit
 - Science Citation Index Expanded (SCI)
 - Social Sciences Citation Index (SSCI)
- Vermarktung als Datenbank: „Web of Science“
- heute: Thomson Scientific, Philadelphia, USA

Verfahren (1)

- Bibliometrie
- Ermittlung des „impact factors“

Zahl der Zitate im laufenden Jahr
auf die Artikel der vergangenen zwei Jahre

Zahl der Artikel in den vergangenen zwei Jahren

Beispiel: 50 Artikel der Jahre 2004 und 2005
wurden in 2006 100mal zitiert.

$$100 / 50 = 2,0$$

Verfahren (2)

- Bradford's Law
7.528 Zeitschriften im JCR (2005), davon 300 mit 50% und 3.000 mit 90% der zitierten Beiträge
- Kontrolle Eigen-Zitationsraten (üblich: bis 20%)
- 14-tägige Aktualisierung der Datenbanken
- ca. 2.000 Anträge/Jahr (Aufnahme: 10-12%)
- Re-Evaluation-Gap: zwei Jahre

Kriterien (1)

- **timeliness**
= regelmäßige Erscheinungsweise
 - publishing „on time“
 - ausreichende Manuskriptanzahl
 - Überprüfung durch Vorlage von drei aufeinanderfolgenden Ausgaben

Kriterien (2)

- **international editorial conventions**
 - verständliche Zeitschriften-/Beitragstitel
 - Abstracts, Schlagworte
 - vollständige Literaturangaben
 - Autoren-Kontaktdaten
 - lateinisches Alphabet

Kriterien (3)

- **language**
 - englischer Volltext bevorzugt
 - bibliografische Angaben in Englisch (Basis)
- **peer review**
- **presentation of funding source**

Kriterien (4)

- **editorial content**
 - Bereicherung der Datenbank durch neue Themen (wiss. Entwicklung)
- **international diversity**
 - internationale Autorenschaft
 - Berücksichtigung regionaler Besonderheiten

Ein Blick in die Datenbanken ... (1)

- Sportwissenschaft als Kategorie nur im SCI
 - *Category Description:*
Sport Sciences covers resources on the applied physiology of human performance, physical conditioning for sports participation, optimal nutrition for sports performance, and the prevention and treatment of sports-related injuries and diseases. This category also includes resources on sport psychology and sociology.

http://scientific.thomson.com/mjl/scope/scope_sci.html

Web of Science®

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Search Results -- Summary

TS=(biosensor* AND pollut*)
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Top Subject Categories:

<input checked="" type="checkbox"/> CHEMISTRY, ANALYTICAL (126)	<input checked="" type="checkbox"/> INSTRUMENTS & INSTRUMENTATION (30)
<input type="checkbox"/> BIOTECHNOLOGY & APPLIED MICROBIOLOGY (71)	<input type="checkbox"/> BIOCHEMICAL RESEARCH METHODS (27)
<input type="checkbox"/> ENVIRONMENTAL SCIENCES (57)	<input type="checkbox"/> ELECTROCHEMISTRY (22)
<input type="checkbox"/> MICROBIOLOGY (37)	<input type="checkbox"/> TOXICOLOGY (20)
<input type="checkbox"/> BIOPHYSICS (32)	<input type="checkbox"/> BIOCHEMISTRY & MOLECULAR BIOLOGY (15)

For more options, use [Analyze Results](#).

341 results found (Set #1) Go to Page: 1
Records 1 -- 10 [Show 10 per page] | << < << >> > >>

- Use the checkboxes to select records for output. See the sidebar for options.
1. Pepi M, Reniero D, Baldi F, et al. [A comparison of MEP::LUX whole cell biosensors and moss, a bioindicator, for estimating mercury pollution](#) WATER AIR AND SOIL POLLUTION 173 (1-4): 163-175 JUN 2006 Times Cited: 0 [LINKS](#) [VIEW FULL TEXT](#)
 2. Ionescu RE, Abu-Rabeah K, Cosnier S, et al. [Amperometric algal *Chlorella vulgaris* cell biosensors based on alginate and polyvinylpyrrolidone-alginate gels](#) ELECTROANALYSIS 18 (11): 1041-1046 JUN 2006 Times Cited: 0 [LINKS](#) [VIEW FULL TEXT](#)
 3. Michelini E, Guardigli M, Magliulo M, et al. [Bioluminescent biosensors based on genetically engineered living cells in environmental and food analysis](#) ANALYTICAL LETTERS 39 (8): 1503-1515 2006 Times Cited: 0 [LINKS](#) [VIEW FULL TEXT](#)
 4. Saravanan NP, Venugopalan S, Senthikumar N, et al. [Voltammetric determination of nitroaromatic and nitramine explosives contamination in soil](#) TALANTA 69 (3): 656-662 MAY 15 2006 Times Cited: 0 [LINKS](#) [VIEW FULL TEXT](#)
 5. Kong IC [An optimization of a bioassay for toluene analogs using bioluminescence reporter strain KG1206](#) SOIL & SEDIMENT CONTAMINATION 15 (3): 231-239 2006 Times Cited: 0 [LINKS](#) [VIEW FULL TEXT](#)
 6. Natarajan A, Molnar P, Sieverdes K, et al. [Microelectrode array recordings of cardiac action potentials as a high throughput method to evaluate pesticide toxicity](#) TOXICOLOGY IN VITRO 20 (3): 375-381 APR 2006 Times Cited: 0 [LINKS](#) [VIEW FULL TEXT](#)
 7. Hatzis C, Godleski JJ, Gonzalez-Flecha B, et al. [Ambient particulate matter exhibits direct inhibitory effects on oxidative stress enzymes](#) ENVIRONMENTAL SCIENCE & TECHNOLOGY 40 (8): 2805-2811 APR 15 2006 Times Cited: 0 [LINKS](#) [VIEW FULL TEXT](#)

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Full Record

Record 21 of 84 (Set #2) SUMMARY

Title: Hurricane impacts on Key deer in the Florida Keys
Author(s): [Lopez RR](#), [Silvy NJ](#), [Labisky RE](#), [Frank PA](#)
Source: JOURNAL OF WILDLIFE MANAGEMENT 67 (2): 280-288 APR 2003
Document Type: Article
Language: English
Cited References: 34 Times Cited: 2 FIND RELATED RECORDS

Abstract: The landing in the Florida Keys of Hurricanes Georges (Category 2) in 1998 and Irene (Category 1) in 1999, in combination with an ongoing radiotelemetry study of Florida Key deer (*Odocoileus virginianus davium*), offered a unique opportunity to evaluate the impacts of natural disturbances on Key deer. We relocated 53 deer (female, n = 29; male, n = 24) during Hurricane Georges and 45 deer (female, n = 27; male, n = 18) during Hurricane Irene. One adult male drowned due to Hurricane Georges (<2% of radiomarked deer); no deaths were attributed to Hurricane Irene. A comparison of productivity estimates between years found a significant (P < 0.001) increase in fawn:doe estimates for post-hurricane years (1999-2000) as compared to pre-hurricane years (1995-1998). The mean fawn:doe ratio observed during 1995-1998 was 0.31. The mean fawn:doe ratio observed during 1999-2000 was 0.64. We found no significant difference in mean daily distances moved by deer between hurricane and non-hurricane years. However, we observed significantly larger ranges (95% probability area) and core areas (50% probability area) for both males and females following

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Ein Blick in die Datenbanken ... (2)

Deutsche Zeitschriften im Web of Science:



Science Citation Index · Focus on: Sports Science & Medicine



Web of Science · Wie man „impact“ bekommt

Ein Blick in die Datenbanken ... (3)

- Andere Systeme:

SCOPUS
(Elsevier)

EBSCO

Google

The screenshot shows the SCOPUS Citation Overview page. It includes a search bar, navigation links (Search, Sources, My Alerts, My List, My Profile), and a 'Citation Overview' section for 'Citations received since 1996'. The interface allows users to sort documents and filter by date range (2004 to 2006). A table displays 20 cited documents with their respective citation counts for each year and a subtotal.

20 Cited Documents (44833.txt)		Citations					
	Total	<2004	2004	2005	2006	subtotal	>2006
1 <input type="checkbox"/> 1992 Radial single-layer nanotubes [2]	45	0	2	2	10		24
2 <input type="checkbox"/> 1993 Isotopic fractionation during fullerene synthesis	8				0		8
3 <input type="checkbox"/> 1992 Three-dimensional shape of carbon nanotubes	8				0		8
4 <input type="checkbox"/> 1993 Structural phenomena in the growth of carbon nanotubes	8				0		8
5 <input type="checkbox"/> 1993 Carbon nanotubes at As-grown top surface	24	1			1		25
6 <input type="checkbox"/> 1993 Formation of carbon nanotubes by evaporation	2			1	1		4
7 <input type="checkbox"/> 1993 Radial deformation of carbon nanotubes	29	17	11	15	43		108
8 <input type="checkbox"/> 1993 Single-shell carbon nanotubes of 1-2 nm diameter	1882	251	277	223	751		3893
9 <input type="checkbox"/> 1993 Cobalt-catalysed growth of carbon nanotubes	242	138	128	102	369		1118
10 <input type="checkbox"/> 1993 Nanotubes from coal	9	2	1		4		12
11 <input type="checkbox"/> 1993 Thinning and opening of carbon nanotubes	118	22	22	16	61		181
12 <input type="checkbox"/> 1993 Opening carbon nanotubes with oxygen plasma	212	46	26	28	110		322
13 <input type="checkbox"/> 1993 Growth of carbon nanotubes	21	12	10	10	32		183
14 <input type="checkbox"/> 1992 Electronic band structure of carbon nanotubes	8			1	1		2
15 <input type="checkbox"/> 1993 Characterization of carbon nanotubes by Raman spectroscopy	28	1			1		11
16 <input type="checkbox"/> 1993 Capillary-induced filling of carbon nanotubes	389	26	17	11	104		553
17 <input type="checkbox"/> 1993 Effect of processing conditions on the growth of carbon nanotubes	22		2	1	3		28
18 <input type="checkbox"/> 1993 Preparation of carbon nanotubes by laser ablation	59	2	4	2	10		69
19 <input type="checkbox"/> 1992 Growth model for carbon nanotubes	152	18	10	6	34		182
20 <input type="checkbox"/> 1992 Large-scale synthesis of carbon nanotubes	238	122	116	20	258		1091

Empfehlungen

- Grundvoraussetzungen prüfen und erfüllen
- Anmelden!
- Geduld aufbringen
- Optimierung im Hinblick auf Prüfkriterien
- keine Tricks versuchen

**Vielen Dank für Ihre
Aufmerksamkeit!**



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