# Le facteur d'impact :

# indicateur d'évaluation des revues scientifiques ?

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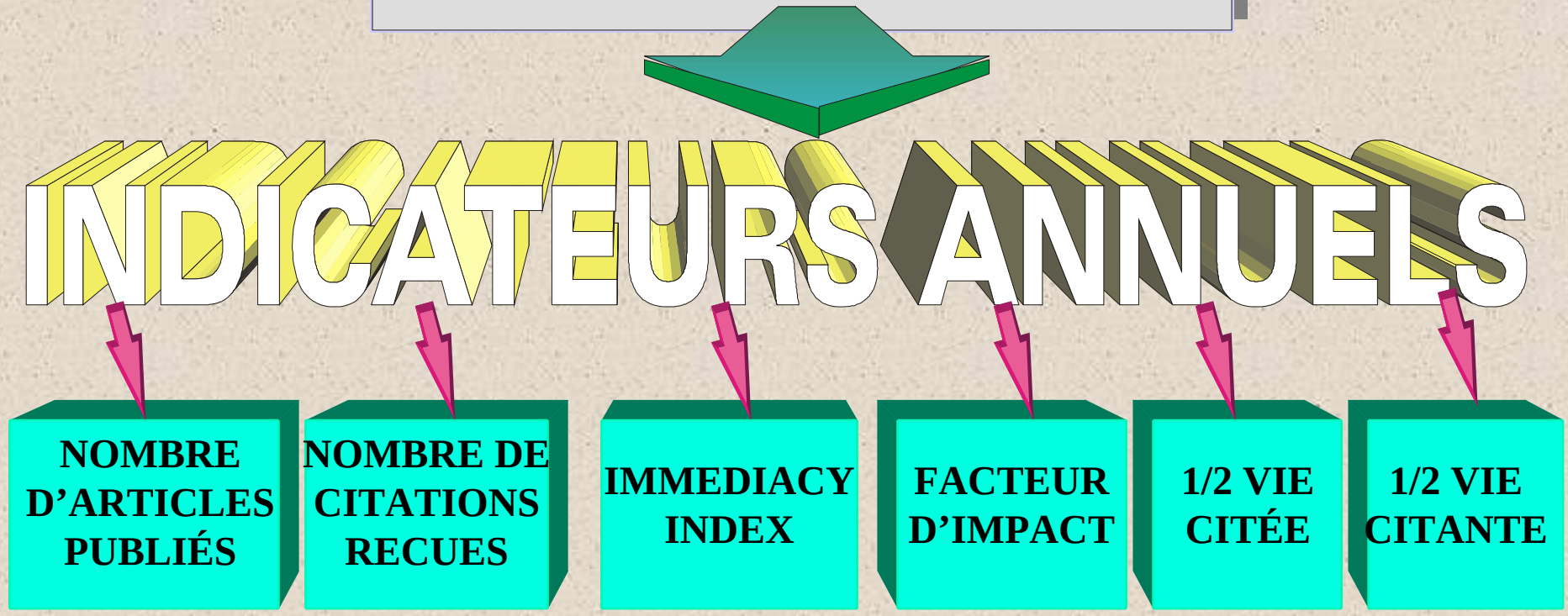
ERIST de Jouy

# SCI JOURNAL CITATION REPORTS

# 6000 REVUES

**NOMBRE D'ARTICLES PAR REVUE**
**+**
**NOMBRE DE CITATIONS PAR REVUE**



# LES OBJECTIFS DE L'ISI

JCR= « ranking, evaluating, categorizing, and comparing journals. »

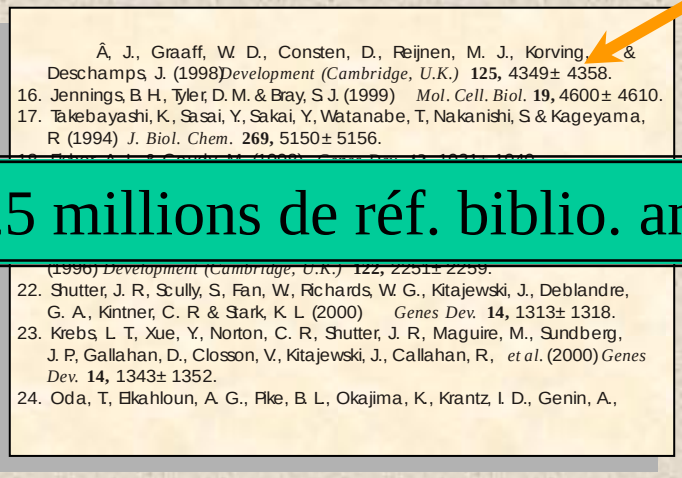
| | |
|---|---|
| **SOURCE ITEMS** | « what are the largest journals ? » |
| **TOTAL CITATIONS** | «what journals are most frequently used? » |
| **IMPACT FACTOR** | « what journals have the highest impact? » |
| **IMMEDIACY INDEX** | « what are the 'hottest' journals? » |
| **CITED/ CITING HALF-LIFE** | « to provide information on the currency or longevity of journals » |

# Construction des indicateurs des revues scientifiques

# Les indicateurs bibliométriques des revues scientifiques

En 2003, 6000 revues sélectionnées par l'ISI = 60 000 fascicules

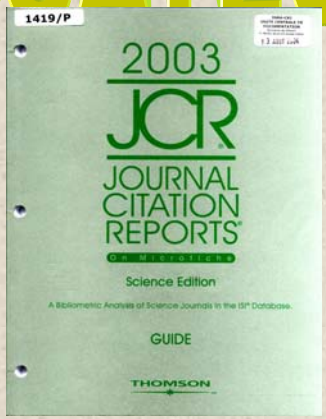
700 000 articles



Â, J., Graaff, W. D., Consten, D., Reijnen, M. J., Korving, & Deschamps, J. (1998) *Development (Cambridge, U.K.)* **125,** 4349± 4358.
16. Jennings, B. H., Tyler, D. M. & Bray, S. J. (1999) *Mol. Cell. Biol.* **19,** 4600± 4610.
17. Takebayashi, K., Sasai, Y., Sakai, Y., Watanabe, T., Nakanishi, S. & Kageyama, R (1994) *J. Biol. Chem.* **269,** 5150± 5156.
(1996) *Development (Cambridge, U.K.)* **122,** 2251± 2259.
22. Shutter, J. R., Scully, S., Fan, W., Richards, W. G., Kitajewski, J., Deblandre, G. A., Kintner, C. R. & Stark, K. L. (2000) *Genes Dev.* **14,** 1313± 1318.
23. Krebs, L. T., Xue, Y., Norton, C. R., Shutter, J. R., Maguire, M., Sundberg, J. P., Gallahan, D., Closson, V., Kitajewski, J., Callahan, R., *et al.* (2000) *Genes Dev.* **14,** 1343± 1352.
24. Oda, T., Elkahloun, A. G., Pike, B. L., Okajima, K., Krantz, I. D., Genin, A.,


25 millions de réf. biblio. analysées

INDICATEURS



# FACTEUR D'IMPACT 2003 de Nature 30,979

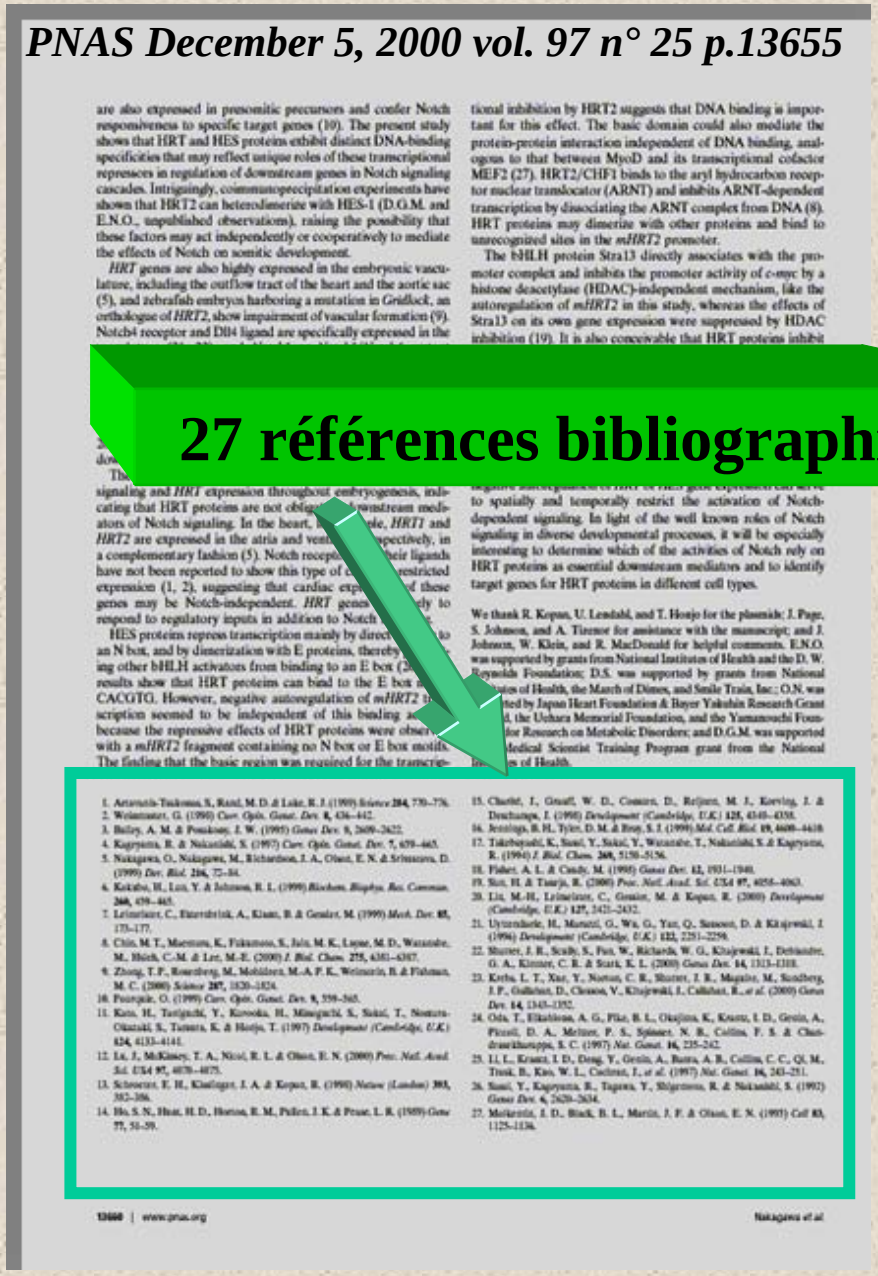
Dans les 25 millions de réf. biblio. des 700 000 articles publiés dans les 60 000 fascicules des 6000 revues de 2003

$$\frac{\text{CITATIONS d'articles en 2001+2002 de Nature}}{\text{ARTICLES publiés en 2001+ 2002 par Nature}}$$

**Soit en chiffres** :

**31293+25336 / 939 + 889 = 30,979**

*PNAS December 5, 2000 vol. 97 n° 25 p.13655*



are also expressed in presomitic precursors and confer Notch responsiveness to specific target genes (10). The present study shows that HRT and HES proteins exhibit distinct DNA-binding specificities that may reflect unique roles of these transcriptional repressors in regulation of downstream genes in Notch signaling cascades. Intriguingly, coimmunoprecipitation experiments have shown that HRT2 can heterodimerize with HES-1 (D.G.M. and E.N.O., unpublished observations), raising the possibility that these factors may act independently or cooperatively to mediate the effects of Notch on somitic development.

*HRT* genes are also highly expressed in the embryonic vasculature, including the outflow tract of the heart and the aortic sac (5), and zebrafish embryos harboring a mutation in *Gridlock*, an orthologue of *HRT2*, show impairment of vascular formation (9). Notch4 receptor and Dll4 ligand are specifically expressed in the

tional inhibition by HRT2 suggests that DNA binding is important for this effect. The basic domain could also mediate the protein-protein interaction independent of DNA binding, analogous to that between MyoD and its transcriptional cofactor MEF2 (27). HRT2/CHF1 binds to the aryl hydrocarbon receptor nuclear translocator (ARNT) and inhibits ARNT-dependent transcription by dissociating the ARNT complex from DNA (8). HRT proteins may dimerize with other proteins and bind to unrecognized sites in the *mHRT2* promoter.

The bHLH protein Stra13 directly associates with the promoter complex and inhibits the promoter activity of *c-myc* by a histone deacetylase (HDAC)-independent mechanism, like the autoregulation of *mHRT2* in this study, whereas the effects of Stra13 on its own gene expression were suppressed by HDAC inhibition (19). It is also conceivable that HRT proteins inhibit

**27 références bibliographiques**

signaling and *HRT* expression throughout embryogenesis, indicating that HRT proteins are not obligate downstream mediators of Notch signaling. In the heart, [illegible], *HRT1* and *HRT2* are expressed in the atria and ventricles, respectively, in a complementary fashion (5). Notch receptors and their ligands have not been reported to show this type of chamber-restricted expression (1, 2), suggesting that cardiac expression of these genes may be Notch-independent. *HRT* genes [illegible] to respond to regulatory inputs in addition to Notch.

HES proteins repress transcription mainly by direct binding to an N box, and by dimerization with E proteins, thereby preventing other bHLH activators from binding to an E box (2). Our results show that HRT proteins can bind to the E box sequence CACGTG. However, negative autoregulation of *mHRT2* transcription seemed to be independent of this binding activity, because the repressive effects of HRT proteins were observed with a *mHRT2* fragment containing no N box or E box motifs. The finding that the basic region was required for the transcrip-

to spatially and temporally restrict the activation of Notch-dependent signaling. In light of the well known roles of Notch signaling in diverse developmental processes, it will be especially interesting to determine which of the activities of Notch rely on HRT proteins as essential downstream mediators and to identify target genes for HRT proteins in different cell types.

We thank R. Kopan, U. Lendahl, and T. Honjo for the plasmids; J. Page, S. Johnson, and A. Tiznow for assistance with the manuscript; and J. Johnson, W. Klein, and R. MacDonald for helpful comments. E.N.O. was supported by grants from National Institutes of Health and the D. W. Reynolds Foundation; D.S. was supported by grants from National [illegible]tes of Health, the March of Dimes, and Smile Train, Inc.; O.N. was [illegible]ted by Japan Heart Foundation & Bayer Yakuhin Research Grant [illegible], the Uehara Memorial Foundation, and the Yamanouchi Foundation for Research on Metabolic Disorders; and D.G.M. was supported by a Medical Scientist Training Program grant from the National [illegible]es of Health.

1. Artavanis-Tsakonas, S., Rand, M. D. & Lake, R. J. (1999) *Science* **284**, 770–776.
2. Weinmaster, G. (1998) *Curr. Opin. Genet. Dev.* **8**, 436–442.
3. Bulfey, A. M. & Ponkonby, J. W. (1995) *Genes Dev.* **9**, 2609–2622.
4. Kageyama, R. & Nakanishi, S. (1997) *Curr. Opin. Genet. Dev.* **7**, 659–665.
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8. Chin, M. T., Maemura, K., Fukumoto, S., Jain, M. K., Layne, M. D., Watanabe, M., Hsieh, C.-M. & Lee, M.-E. (2000) *J. Biol. Chem.* **275**, 6301–6307.
9. Zhong, T. P., Rosenberg, M., Mohideen, M.-A. P. K., Weinstein, B. & Fishman, M. C. (2000) *Science* **287**, 1820–1824.
10. Pourquie, O. (1999) *Curr. Opin. Genet. Dev.* **9**, 559–565.
11. Kato, H., Taniguchi, Y., Kurooka, H., Minoguchi, S., Sakai, T., Nomura-Okazaki, S., Tamura, K. & Honjo, T. (1997) *Development (Cambridge, U.K.)* **124**, 4133–4141.
12. Lu, J., McKinsey, T. A., Nicol, R. L. & Olson, E. N. (2000) *Proc. Natl. Acad. Sci. USA* **97**, 4070–4075.
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14. Ho, S. N., Hunt, H. D., Horton, R. M., Pullen, J. K. & Pease, L. R. (1989) *Gene* **77**, 51–59.
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18. Fisher, A. L. & Caudy, M. (1998) *Genes Dev.* **12**, 1931–1940.
19. Sun, H. & Taneja, R. (2000) *Proc. Natl. Acad. Sci. USA* **97**, 4058–4063.
20. Liu, M.-H., Leimeister, C., Gessler, M. & Kopan, R. (2000) *Development (Cambridge, U.K.)* **127**, 2421–2432.
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24. Oda, T., Elkahloun, A. G., Pike, B. L., Okajima, K., Krantz, I. D., Genin, A., Piccoli, D. A., Meltzer, P. S., Spinner, N. B., Collins, F. S. & Chandrasekharappa, S. C. (1997) *Nat. Genet.* **16**, 235–242.
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26. Sasai, Y., Kageyama, R., Tagawa, Y., Shigemoto, R. & Nakanishi, S. (1992) *Genes Dev.* **6**, 2620–2634.
27. Molkentin, J. D., Black, B. L., Martin, J. F. & Olson, E. N. (1995) *Cell* **83**, 1125–1136.

# *Répartition des 27 citations par année*

| 14 revues citées | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1992 | 1989 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| Biochem. Biophys. Res. Commun. | | 1 | | | | | | | | 1 |
| Cell | | | | | | 1 | | | | 1 |
| Curr. Opin. Genet. Dev | | 1 | 1 | 1 | | | | | | 3 |
| Dev. Biol. | | 1 | | | | | | | | 1 |
| Development | 1 | | 1 | 1 | 1 | | | | | 4 |
| Gene | | | | | | | | | 1 | 1 |
| Genes Dev. | | | | | | | | 1 | | 1 |
| J. Biol. Chem. | 2 | | 1 | | | 1 | | | | 4 |
| Mech. Dev. | 1 | | | | | | 1 | | | 2 |
| Mol. Cell. Biol. | | 1 | | | | | | | | 1 |
| Nat. Genet. | | 1 | | 2 | | | | | | 3 |
| Nature | | | 1 | | | | | | | 1 |
| Proc. Natl. Acad. Sci. | 2 | | | | | | | | | 2 |
| Science | 1 | 1 | | | | | | | | 2 |
| TOTAL | 7 | 6 | 4 | 4 | 1 | 2 | 1 | 1 | 1 | 27 |

# FACTEUR D'IMPACT

**FACTEUR D'IMPACT 2000 :**

$$\frac{\text{CITATIONS 98+99}}{\text{ARTICLES 98+99}}$$

# *Répartition des 27 citations par année*

**FACTEUR D'IMPACT 2000**

| 14 revues citées | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1992 | 1989 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| Biochem. Biophys. Res. Commun. | | 1 | | | | | | | | 1 |
| Cell | | | | | | 1 | | | | 1 |
| Curr. Opin. Genet. Dev | | 1 | 1 | 1 | | | | | | 3 |
| Dev. Biol. | | 1 | | | | | | | | 1 |
| Development | 1 | | 1 | 1 | 1 | | | | | 4 |
| Gene | | | | | | | | | 1 | 1 |
| Genes Dev. | | | | | | | | 1 | | 1 |
| J. Biol. Chem. | 2 | | 1 | | | 1 | | | | 4 |
| Mech. Dev. | 1 | | | | | | 1 | | | 2 |
| Mol. Cell. Biol. | | 1 | | | | | | | | 1 |
| Nat. Genet. | | 1 | | 2 | | | | | | 3 |
| Nature | | | 1 | | | | | | | 1 |
| Proc. Natl. Acad. Sci. | 2 | | | | | | | | | 2 |
| Science | 1 | 1 | | | | | | | | 2 |
| TOTAL | 7 | 6 | 4 | 4 | 1 | 2 | 1 | 1 | 1 | 27 |

# FACTEUR D'IMPACT 2000 :

## CITATIONS 98+99
## ARTICLES 98+99


1. Artavanis-Tsakonas, S. , Rand, M. D. & Lake, R. J. **(1999) *Science*** 284, 770-776.
2. Weinmaster, G. **(1998) *Curr. Opin. Genet. Dev.*** 8, 436-442.
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*Science*

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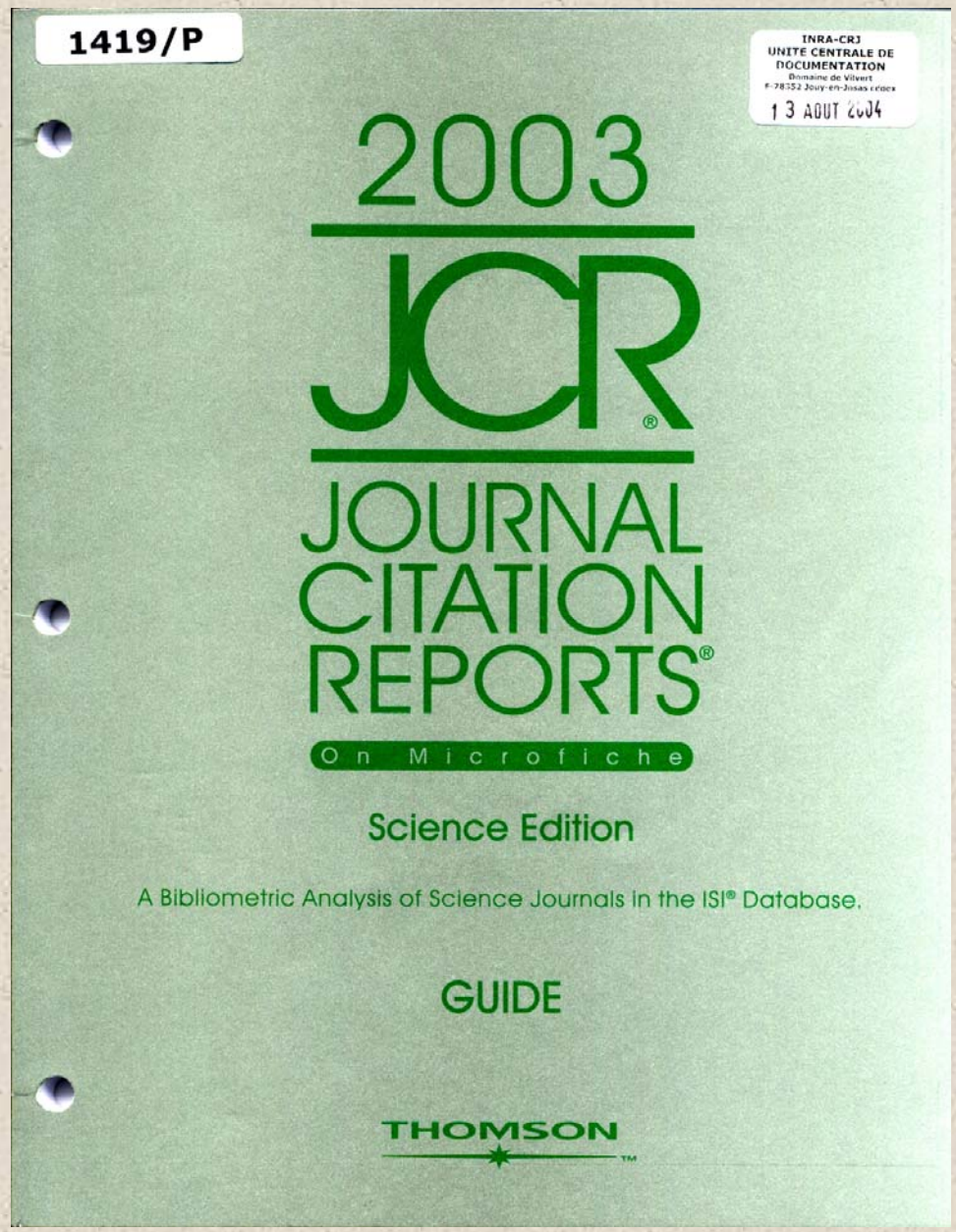
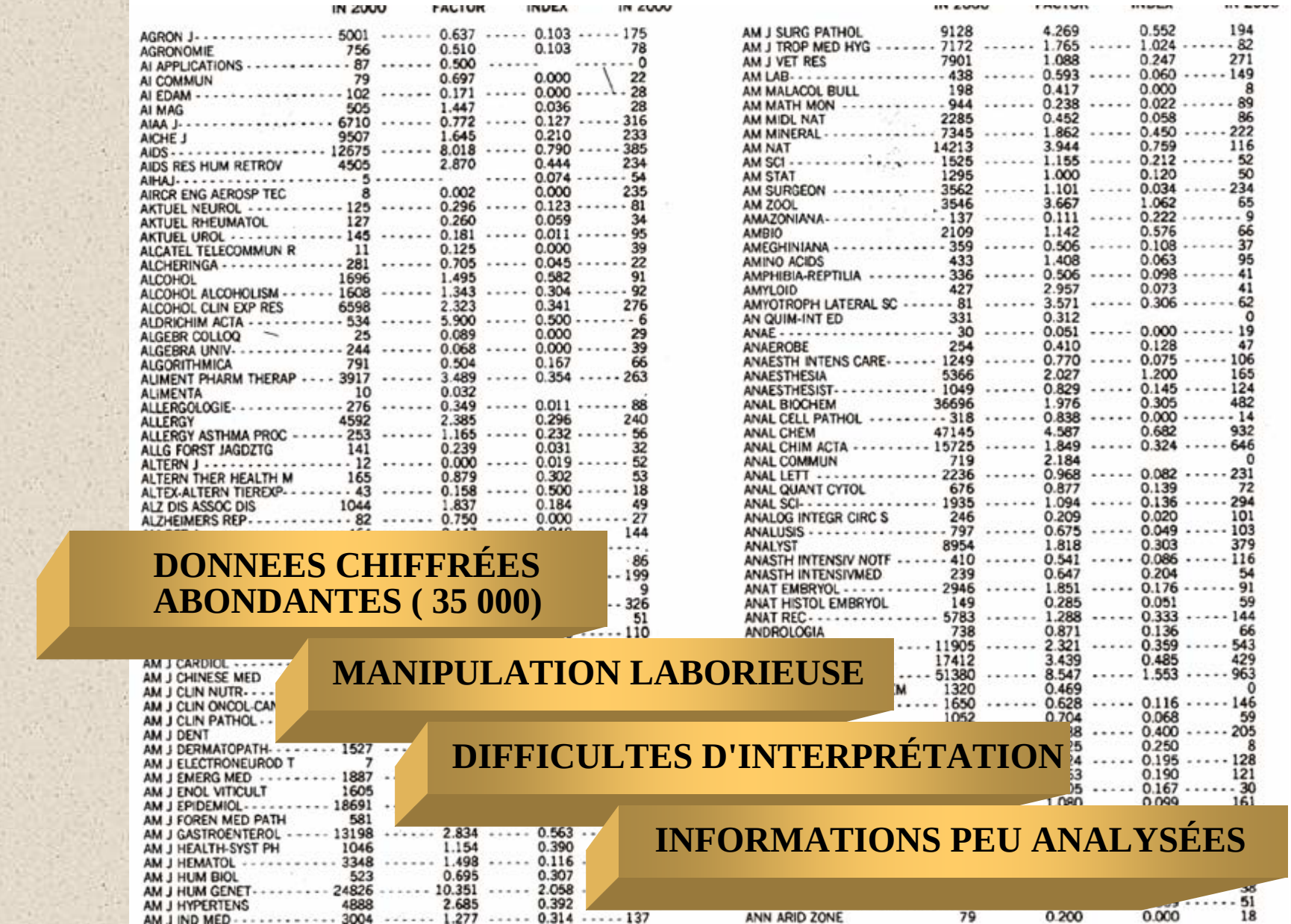



*Magri M-H/Inra/Erist de Jouy/Nancy juin 05*

# LA RÉALITE JCR



| | IN 2000 | FACTOR | INDEX | IN 2000 |
|---|---|---|---|---|
| AGRON J | 5001 | 0.637 | 0.103 | 175 |
| AGRONOMIE | 756 | 0.510 | 0.103 | 78 |
| AI APPLICATIONS | 87 | 0.500 | | 0 |
| AI COMMUN | 79 | 0.697 | 0.000 | 22 |
| AI EDAM | 102 | 0.171 | 0.000 | 28 |
| AI MAG | 505 | 1.447 | 0.036 | 28 |
| AIAA J | 6710 | 0.772 | 0.127 | 316 |
| AICHE J | 9507 | 1.645 | 0.210 | 233 |
| AIDS | 12675 | 8.018 | 0.790 | 385 |
| AIDS RES HUM RETROV | 4505 | 2.870 | 0.444 | 234 |
| AIHAJ | 5 | | 0.074 | 54 |
| AIRCR ENG AEROSP TEC | 8 | 0.002 | 0.000 | 235 |
| AKTUEL NEUROL | 125 | 0.296 | 0.123 | 81 |
| AKTUEL RHEUMATOL | 127 | 0.260 | 0.059 | 34 |
| AKTUEL UROL | 145 | 0.181 | 0.011 | 95 |
| ALCATEL TELECOMMUN R | 11 | 0.125 | 0.000 | 39 |
| ALCHERINGA | 281 | 0.705 | 0.045 | 22 |
| ALCOHOL | 1696 | 1.495 | 0.582 | 91 |
| ALCOHOL ALCOHOLISM | 1608 | 1.343 | 0.304 | 92 |
| ALCOHOL CLIN EXP RES | 6598 | 2.323 | 0.341 | 276 |
| ALDRICHIM ACTA | 534 | 5.900 | 0.500 | 6 |
| ALGEBR COLLOQ | 25 | 0.089 | 0.000 | 29 |
| ALGEBRA UNIV | 244 | 0.068 | 0.000 | 39 |
| ALGORITHMICA | 791 | 0.504 | 0.167 | 66 |
| ALIMENT PHARM THERAP | 3917 | 3.489 | 0.354 | 263 |
| ALIMENTA | 10 | 0.032 | | |
| ALLERGOLOGIE | 276 | 0.349 | 0.011 | 88 |
| ALLERGY | 4592 | 2.385 | 0.296 | 240 |
| ALLERGY ASTHMA PROC | 253 | 1.165 | 0.232 | 56 |
| ALLG FORST JAGDZTG | 141 | 0.239 | 0.031 | 32 |
| ALTERN J | 12 | 0.000 | 0.019 | 52 |
| ALTERN THER HEALTH M | 165 | 0.879 | 0.302 | 53 |
| ALTEX-ALTERN TIEREXP | 43 | 0.158 | 0.500 | 18 |
| ALZ DIS ASSOC DIS | 1044 | 1.837 | 0.184 | 49 |
| ALZHEIMERS REP | 82 | 0.750 | 0.000 | 27 |
| | | | | 144 |
| | | | | 86 |
| | | | | 199 |
| | | | | 9 |
| | | | | 326 |
| | | | | 51 |
| | | | | 110 |
| AM J CARDIOL | | | | |
| AM J CHINESE MED | | | | |
| AM J CLIN NUTR | | | | |
| AM J CLIN ONCOL-CAN | | | | |
| AM J CLIN PATHOL | | | | |
| AM J DENT | | | | |
| AM J DERMATOPATH | 1527 | | | |
| AM J ELECTRONEUROD T | 7 | | | |
| AM J EMERG MED | 1887 | | | |
| AM J ENOL VITICULT | 1605 | | | |
| AM J EPIDEMIOL | 18691 | | | |
| AM J FOREN MED PATH | 581 | | | |
| AM J GASTROENTEROL | 13198 | 2.834 | 0.563 | |
| AM J HEALTH-SYST PH | 1046 | 1.154 | 0.390 | |
| AM J HEMATOL | 3348 | 1.498 | 0.116 | |
| AM J HUM BIOL | 523 | 0.695 | 0.307 | |
| AM J HUM GENET | 24826 | 10.351 | 2.058 | |
| AM J HYPERTENS | 4888 | 2.685 | 0.392 | |
| AM J IND MED | 3004 | 1.277 | 0.314 | 137 |
| AM J SURG PATHOL | 9128 | 4.269 | 0.552 | 194 |
| AM J TROP MED HYG | 7172 | 1.765 | 1.024 | 82 |
| AM J VET RES | 7901 | 1.088 | 0.247 | 271 |
| AM LAB | 438 | 0.593 | 0.060 | 149 |
| AM MALACOL BULL | 198 | 0.417 | 0.000 | 8 |
| AM MATH MON | 944 | 0.238 | 0.022 | 89 |
| AM MIDL NAT | 2285 | 0.452 | 0.058 | 86 |
| AM MINERAL | 7345 | 1.862 | 0.450 | 222 |
| AM NAT | 14213 | 3.944 | 0.759 | 116 |
| AM SCI | 1525 | 1.155 | 0.212 | 52 |
| AM STAT | 1295 | 1.000 | 0.120 | 50 |
| AM SURGEON | 3562 | 1.101 | 0.034 | 234 |
| AM ZOOL | 3546 | 3.667 | 1.062 | 65 |
| AMAZONIANA | 137 | 0.111 | 0.222 | 9 |
| AMBIO | 2109 | 1.142 | 0.576 | 66 |
| AMEGHINIANA | 359 | 0.506 | 0.108 | 37 |
| AMINO ACIDS | 433 | 1.408 | 0.063 | 95 |
| AMPHIBIA-REPTILIA | 336 | 0.506 | 0.098 | 41 |
| AMYLOID | 427 | 2.957 | 0.073 | 41 |
| AMYOTROPH LATERAL SC | 81 | 3.571 | 0.306 | 62 |
| AN QUIM-INT ED | 331 | 0.312 | | 0 |
| ANAE | 30 | 0.051 | 0.000 | 19 |
| ANAEROBE | 254 | 0.410 | 0.128 | 47 |
| ANAESTH INTENS CARE | 1249 | 0.770 | 0.075 | 106 |
| ANAESTHESIA | 5366 | 2.027 | 1.200 | 165 |
| ANAESTHESIST | 1049 | 0.829 | 0.145 | 124 |
| ANAL BIOCHEM | 36696 | 1.976 | 0.305 | 482 |
| ANAL CELL PATHOL | 318 | 0.838 | 0.000 | 14 |
| ANAL CHEM | 47145 | 4.587 | 0.682 | 932 |
| ANAL CHIM ACTA | 15725 | 1.849 | 0.324 | 646 |
| ANAL COMMUN | 719 | 2.184 | | 0 |
| ANAL LETT | 2236 | 0.968 | 0.082 | 231 |
| ANAL QUANT CYTOL | 676 | 0.877 | 0.139 | 72 |
| ANAL SCI | 1935 | 1.094 | 0.136 | 294 |
| ANALOG INTEGR CIRC S | 246 | 0.209 | 0.020 | 101 |
| ANALUSIS | 797 | 0.675 | 0.049 | 103 |
| ANALYST | 8954 | 1.818 | 0.303 | 379 |
| ANASTH INTENSIV NOTF | 410 | 0.541 | 0.086 | 116 |
| ANASTH INTENSIVMED | 239 | 0.647 | 0.204 | 54 |
| ANAT EMBRYOL | 2946 | 1.851 | 0.176 | 91 |
| ANAT HISTOL EMBRYOL | 149 | 0.285 | 0.051 | 59 |
| ANAT REC | 5783 | 1.288 | 0.333 | 144 |
| ANDROLOGIA | 738 | 0.871 | 0.136 | 66 |
| | 11905 | 2.321 | 0.359 | 543 |
| | 17412 | 3.439 | 0.485 | 429 |
| | 51380 | 8.547 | 1.553 | 963 |
| M | 1320 | 0.469 | | 0 |
| | 1650 | 0.628 | 0.116 | 146 |
| | 1052 | 0.704 | 0.068 | 59 |
| | | | 0.400 | 205 |
| | | | 0.250 | 8 |
| | | | 0.195 | 128 |
| | | | 0.190 | 121 |
| | | | 0.167 | 30 |
| | | | 0.099 | 161 |
| | | | | 38 |
| | | | | 51 |
| ANN ARID ZONE | 79 | 0.200 | 0.000 | 18 |

**DONNEES CHIFFRÉES ABONDANTES ( 35 000)**

**MANIPULATION LABORIEUSE**

**DIFFICULTES D'INTERPRÉTATION**

**INFORMATIONS PEU ANALYSÉES**

JOURNAL CITATION REPORTS-SCIENCE EDITION

IV. SUBJECT CATEGORY LISTING 2000 — SECTION-1

JOURNALS RANKED BY IMPACT FACTOR WITHIN CATEGORY

| RANK | TITLE | IMPACT FACTOR | CITED HALF-LIFE |
|---|---|---|---|
| (CONTINUED) ASTRONOMY & ASTROPHYSICS | | | |
| 12 | ICARUS | 2.651 | 8.1 |
| 13 | SPACE SCI REV | 2.580 | 5.5 |
| 14 | NEW ASTRON | 2.241 | 3.2 |
| 15 | SOL PHYS | 2.095 | 7.9 |
| 16 | PUBL ASTRON SOC JPN | 1.970 | 6.4 |
| 17 | ASTROPHYS LETT COMM | 1.913 | 5.3 |
| 18 | ANN GEOPHYS-ATM HYDR | 1.760 | 5.7 |
| 19 | ASTRON ASTROPHYS SUP | 1.745 | 6.3 |
| 20 | REV MEX ASTRON ASTR | 1.129 | 6.1 |
| 21 | PLANET SPACE SCI | 1.075 | > 10.0 |
| 22 | INT J MOD PHYS D | 1.051 | 3.7 |
| 23 | PUBL ASTRON SOC AUST | 1.028 | 2.8 |
| 24 | ASTRON LETT+ | 0.953 | 4.1 |
| 25 | GEOPHYS ASTRO FLUID | 0.932 | > 10.0 |
| 31 | [illegible] | [illegible] | [illegible] |
| 32 | T I MEAS CONTROL | 0.234 | |
| 33 | ENG APPL ARTIF INTEL | 0.231 | 4.9 |
| 34 | P I MECH ENG I-J SYS | 0.193 | |
| 35 | J FRANKLIN I | 0.168 | > 10.0 |
| 36 | INTELL AUTOM SOFT CO | 0.163 | |
| 37 | CONTROL CYBERN | 0.152 | 5.0 |
| 38 | COMPUT CONTROL ENG J | 0.136 | |
| 39 | MEAS CONTROL-UK | 0.084 | |
| 40 | CONTROL INSTRUM | 0.057 | |
| 41 | ASSEMBLY AUTOM | 0.050 | |
| 42 | CONTROL ENG | 0.028 | |
| 43 | MEAS CONTROL | 0.019 | |
| 44 | AUTOM CONTROL COMP S | 0.009 | |
| BEHAVIORAL SCIENCES | | | |
| 1 | BEHAV BRAIN SCI | 14.250 | 8.9 |
| 11 | ANIM BEHAV | | |
| 12 | BEHAV ECOL | | |
| 13 | BEHAV PHARMA | | |
| 14 | J SLEEP RES | | |
| 15 | BEHAV ECOL SO | | |
| 16 | J ECT | | |
| 17 | EVOL HUM BEH | | |
| 18 | PHARMACOL BIOCHEM BE | 1.732 | 8.3 |
| 19 | BEHAV GENET | 1.516 | 7.3 |
| 20 | BIOL PSYCHOL | 1.500 | 8.6 |
| 21 | J COMP PHYSIOL A | 1.496 | 7.9 |
| 22 | J COMP PSYCHOL | 1.477 | 9.5 |
| 23 | PHYSIOL BEHAV | 1.419 | 9.6 |
| 24 | CORTEX | 1.382 | > 10.0 |
| 25 | BRAIN BEHAV EVOLUT | 1.381 | 8.6 |
| 26 | J EXP PSYCHOL ANIM B | 1.365 | 9.6 |

| RANK | TITLE | IMPACT FACTOR | CITED HALF-LIFE |
|---|---|---|---|
| (CONTINUED) BEHAVIORAL SCIENCES | | | |
| 27 | APPETITE | 1.217 | 8.5 |
| 28 | J EXP ANAL BEHAV | 1.172 | > 10.0 |
| 29 | ANIM LEARN BEHAV | 1.105 | 9.9 |
| 30 | ETHOLOGY | 1.066 | 8.0 |
| 31 | J DEV BEHAV PEDIATR | 1.041 | 7.8 |
| 32 | BEHAV MED | 1.000 | 7.3 |
| 33 | HUM FACTORS | 0.954 | 9.5 |
| 34 | ETHOL ECOL EVOL | 0.948 | 6.9 |
| 35 | BEHAVIOUR | 0.942 | > 10.0 |
| 36 | BEHAV PROCESS | 0.906 | 6.8 |
| 37 | AGGRESSIVE BEHAV | 0.815 | 8.2 |
| 38 | MENT RETARD DEV D R | 0.800 | 3.6 |
| 39 | J ETHOL | 0.480 | 8.6 |
| BIOCHEMISTRY & MOLECULAR BIOLOGY | | | |
| 1 | ANNU REV BIOCHEM | 43.429 | 8.0 |
| 2 | CELL | 32.440 | 6.1 |
| 3 | NAT MED | 27.905 | 3.3 |
| 4 | ANNU REV CELL DEV BI | 26.300 | 5.8 |
| 5 | MOL CELL | 18.195 | 2.0 |
| 6 | ANNU REV BIOPH BIOM | 16.194 | 7.3 |
| 7 | ANNU REV PLANT PHYS | 15.094 | 8.8 |
| 8 | EMBO J | 13.999 | 5.0 |
| 9 | CURR OPIN GENET DEV | 13.810 | 3.4 |
| 10 | TRENDS BIOCHEM SCI | 13.246 | 5.1 |
| 11 | NAT CELL BIOL | 11.939 | 1.3 |
| 12 | BBA-REV BIOMEMBRANES | 11.645 | 2.8 |
| 13 | NAT STRUCT BIOL | 11.158 | 3.3 |
| 14 | PLANT CELL | 11.093 | 4.7 |
| | R OPIN STRUC BIOL | 10.427 | 3.8 |
| | -REV CANCER | 9.714 | 5.2 |
| | CELL BIOL | 9.666 | 5.3 |
| | B J | 9.249 | 5.9 |
| | MOL GENET | 9.048 | 3.9 |
| | PSYCHIATR | 8.927 | 2.7 |
| | BIOL CELL | 8.482 | 3.4 |
| | CURR BIOL | 8.393 | 2.9 |
| 23 | PROG NUCLEIC ACID RE | 8.373 | 5.1 |
| 31 | [illegible] | [illegible] | [illegible] |
| 39 | FOLD DES | 5.700 | 3.5 |

| RANK | TITLE | IMPACT FACTOR | CITED HALF-LIFE |
|---|---|---|---|
| (CONTINUED) BIOCHEMISTRY & MOLECULAR BIOLOGY | | | |
| 40 | MOL PHARMACOL | 5.678 | 6.1 |
| 41 | CURR OPIN LIPIDOL | 5.661 | 3.9 |
| 42 | VITAM HORM | 5.407 | 6.3 |
| 43 | NUCLEIC ACIDS RES | 5.396 | 7.2 |
| 44 | REV PHYSIOL BIOCH P | 5.389 | 8.5 |
| 45 | J MOL BIOL | 5.388 | 7.2 |
| 46 | PROG LIPID RES | 5.379 | 8.0 |
| 47 | MOL BIOL EVOL | 5.298 | 5.6 |
| 48 | NAT PROD REP | 5.295 | 4.3 |
| 49 | CELL GROWTH DIFFER | 5.235 | 4.8 |
| 50 | MOL MED TODAY | 5.193 | 2.9 |
| 51 | ADV ENZYMOL RAMB | 5.143 | > 10.0 |
| 52 | CRIT REV BIOCHEM MOL | 5.083 | 8.3 |
| 99 | CRIT REV ONCOGENESIS | 2.852 | 5.9 |
| 99 | EUR J BIOCHEM | 2.852 | 7.2 |
| 101 | YEAST | 2.825 | 5.6 |
| 102 | J CELL BIOCHEM | 2.775 | 4.9 |
| 103 | MOL ECOL | 2.769 | 3.5 |
| 104 | J COMPUT AID MOL DES | 2.739 | 5.7 |
| 105 | J INFLAMM | 2.714 | 5.2 |
| 106 | EXTREMOPHILES | 2.688 | 2.5 |
| 107 | NEUROCHEM INT | 2.662 | 5.1 |
| 108 | NEUROGENETICS | 2.596 | 2.6 |
| 109 | ARCH BIOCHEM BIOPHYS | 2.576 | 8.5 |
| 110 | INSECT MOL BIOL | 2.574 | 4.0 |
| 111 | BBA-MOL BASIS DIS | 2.557 | 4.0 |
| 112 | BIOCONJUGATE CHEM | 2.550 | 4.5 |
| 113 | MOL REPROD DEV | 2.535 | 5.3 |
| 114 | CELL PHYSIOL BIOCHEM | 2.519 | 3.4 |
| 115 | FREE RADICAL RES | 2.493 | 6.1 |
| 116 | CYTOKINE | 2.490 | 4.7 |
| 117 | CELL ADHES COMMUN | 2.485 | 4.6 |
| 118 | MOL GEN GENET | 2.462 | 8.3 |
| 119 | PROTEIN ENG | 2.442 | 5.3 |
| 120 | MOL BREEDING | 2.418 | 3.6 |
| 121 | BIOPOLYMERS | 2.405 | > 10.0 |
| 122 | EXP CLIN IMMUNOGENET | 2.400 | 3.3 |
| 123 | ANTIVIR CHEM CHEMOTH | 2.386 | 4.1 |
| 124 | MOL GENET METAB | 2.360 | 1.9 |
| 125 | METHOD ENZYMOL | 2.340 | > 10.0 |
| 126 | CHEM PHYS LIPIDS | 2.328 | 8.0 |
| 127 | BIOCHIMIE | 2.324 | 6.7 |
| 128 | BBA-BIOMEMBRANES | 2.313 | 3.9 |
| 129 | COLD SPRING HARB SYM | 2.301 | > 10.0 |
| 130 | BIOL SIGNAL RECEPT | 2.278 | 4.1 |
| | [illegible] | 2.278 | 8.1 |
| | [illegible] | 2.273 | 8.4 |
| | [illegible] | 2.245 | 8.2 |
| | [illegible] | 2.244 | 6.9 |
| | [illegible] | 2.243 | 3.4 |
| | [illegible] | 2.225 | 3.1 |
| | [illegible] | 2.149 | 9.0 |
| | [illegible] | 2.145 | 7.4 |
| 139 | J CHEM NEUROANAT | 2.141 | 4.8 |
| 140 | MAMM GENOME | 2.137 | 3.7 |

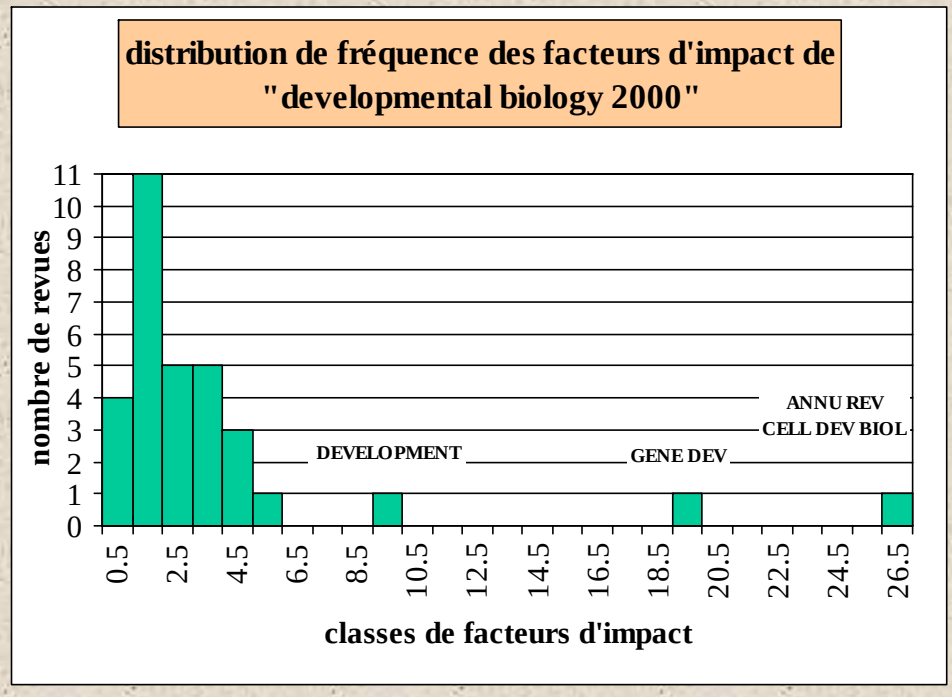
**TAILLE DES COMMUNAUTÉS DIFFÉRENTES**

**NOMBRE de REVUES DIFFÉRENTES**

**PLAGES DE VARIATION DU FI DIFFÉRENTES**

# DEVELOPMENTAL BIOLOGY IF 2000

| | |
|---|---|
| 1 ANNU REV CELL DEV BIOL | 26.300 |
| 2 GENE DEV | 19.676 |
| 3 DEVELOPMENT | 9.353 |
| 4 DEV BIOL | 5.540 |
| 5 SEMIN CELL DEV BIOL | 4.978 |
| 6 CURR TOP DEV BIOL | 4.241 |
| 7 MECH DEVELOP | 4.154 |
| 8 REV REPROD | 3.938 |
| 9 EVOL DEV | 3.400 |
| 10 MOL HUM REPROD | 3.232 |
| 11 DEV GENET | 3.220 |
| 12 DEV DYNAM | 3.131 |
| 13 DEV GENES EVOL | 2.982 |
| 14 ADV ANAT EMBRYOL CEL | 2.933 |
| 15 PLACENTA | 2.587 |
| 16 MOL REPROD DEV | 2.535 |
| 17 DIFFERENTIATION | 2.353 |
| 18 INT J DEV BIOL | 1.963 |
| 19 ANAT EMBRYOL | 1.851 |
| 20 DEV BRAIN RES | 1.827 |
| 21 DEV GROWTH DIFFER | 1.730 |
| 22 TERATOLOGY | 1.600 |
| 23 INT J DEV NEUROSCI | 1.583 |
| 24 ZYGOTE | 1.365 |
| 25 REPROD NUTR DEV | 1.351 |
| 26 DEV PSYCHOBIOL | 1.322 |
| 27 REPROD FERT DEVELOP | 1.098 |
| 28 IN VITRO CELL DEV-AN | 1.059 |
| 29 CELLS TISSUES ORGANS | 0.896 |
| 30 J CRAN GENET DEV BIO | 0.870 |
| 31 IN VITRO CELL DEV-PL | 0.750 |
| 32 GROWTH DEVELOP AGING | 0.143 |

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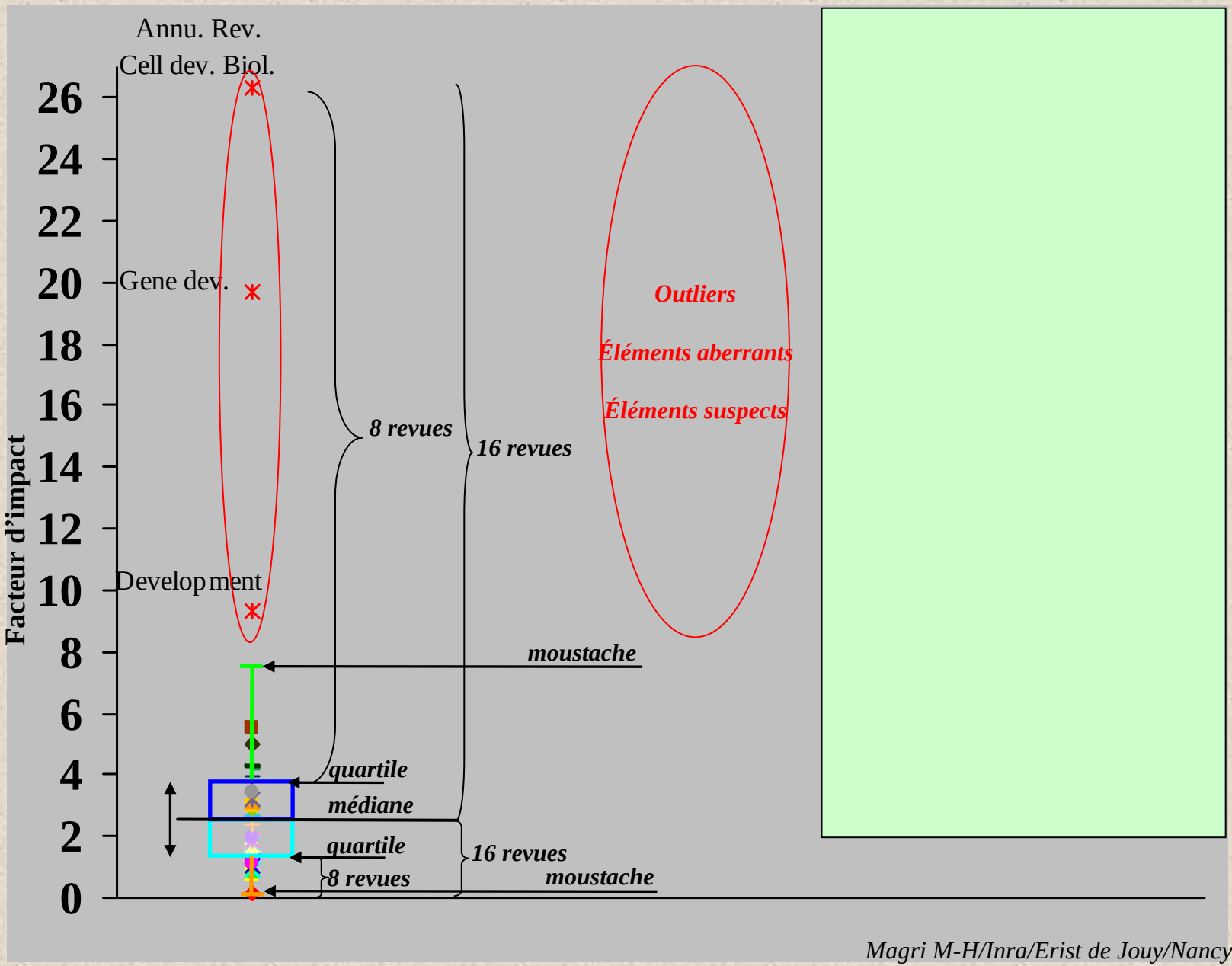
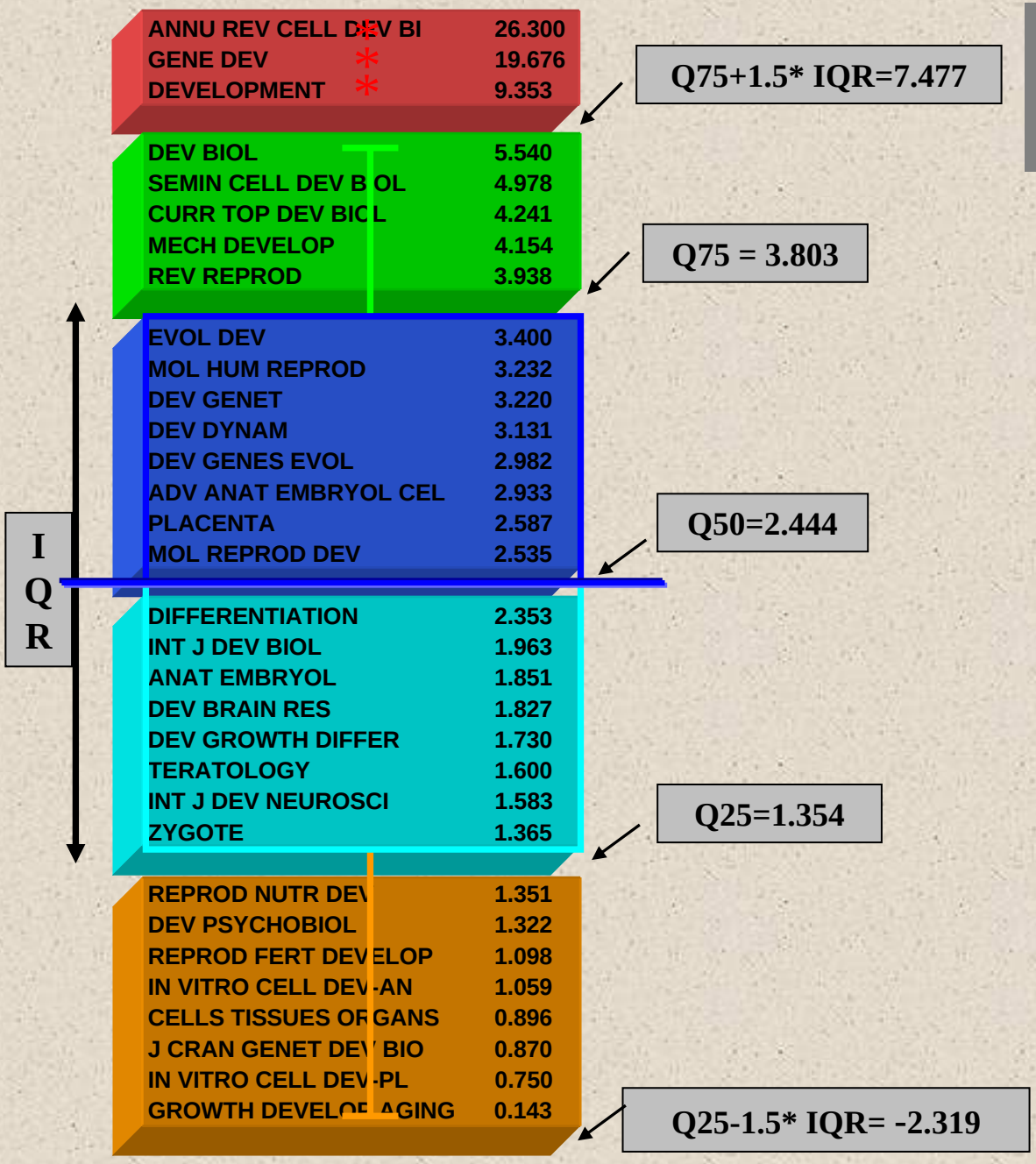
# *Représentation en box-plot*



# DEVELOPMENTAL BIOLOGY IF 2000




# NOTORIÉTÉ DES REVUES

exceptionnelles remarquables hors-normes

excellentes exemplaires

correctes convenables honorables

passables acceptables

médiocres

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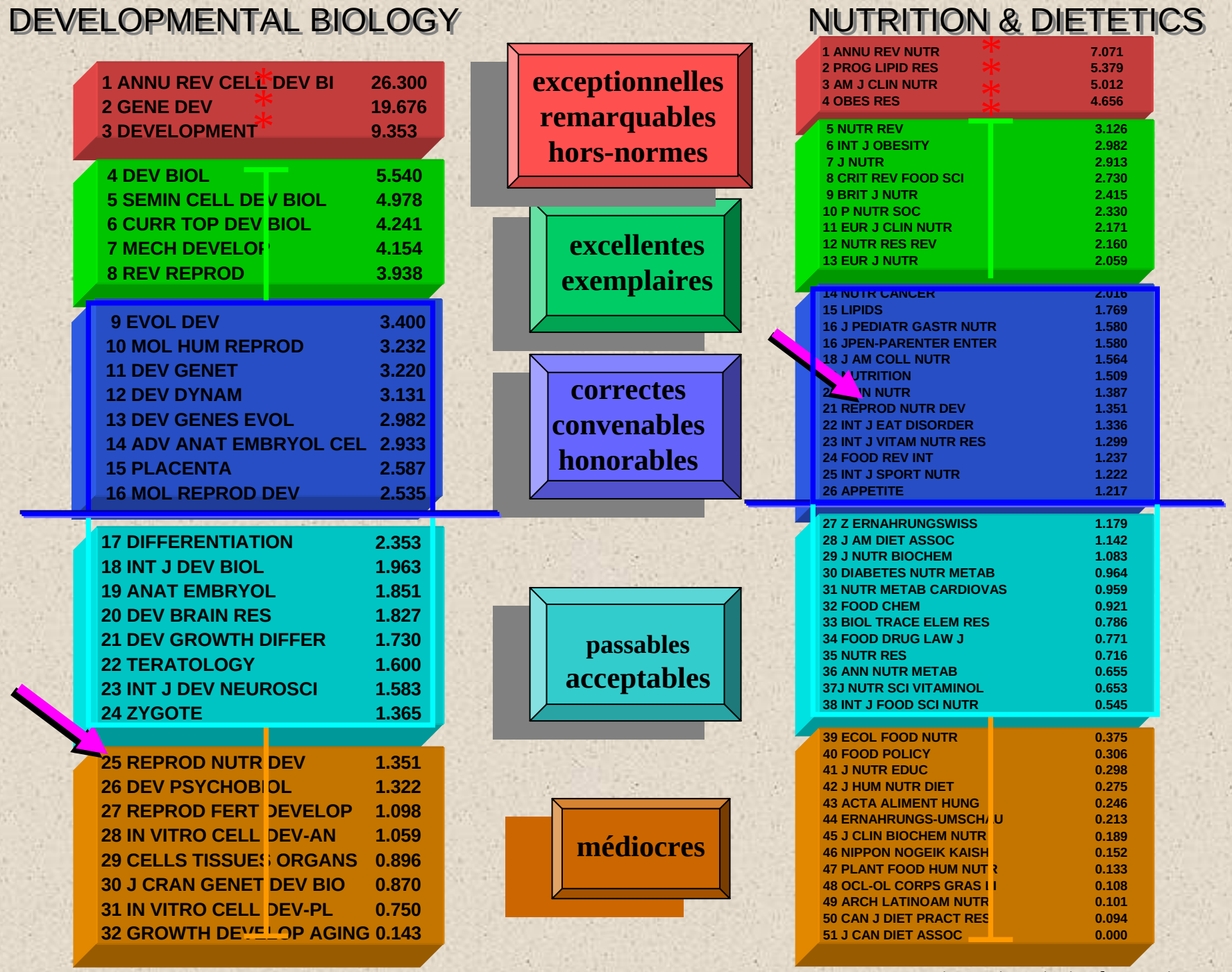


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# Le répertoire annuel élaboré par l'ERIST de Jouy

| titre abrégé | éditeur | if | disciplines | | |
|---|---|---|---|---|---|
| AAPG BULL- - - - - - - - - - - - - - - - | AMER ASSOC PETROLEUM GEOLOGIST | 1.380 | energy fuels | eng.,pet. | geosci.,multidiscip. |
| AAPS PHARMSCI- - - - - - - - - - - - | SCIENTISTS | 1.558 | pharmacol.pharm. | | |
| J MOL MODEL | SPRINGER-VERLAG | 2.135 | comput.sci.,interdiscip.appl. | chem.,multidiscip. | biophysics | biochem.mol.biol. |
| ACCOUNTS CHEM RES- - - - - - - | AMER CHEMICAL SOC | 15.000 | chem.,multidiscip. | | |
| ACCREDIT QUAL ASSUR- - - - - - | SPRINGER-VERLAG | 0.637 | instrum.instrum. | chem.,anal. | |
| ACI MATER J- - - - - - - - - - - - - - - | AMER CONCRETE INST | 0.614 | constr.build.technol. | mater.sci.,multidiscip. | |
| ACI STRUCT J- - - - - - - - - - - - - - | AMER CONCRETE INST | 0.473 | constr.build.technol. | eng.,civ. | mater.sci.,multidiscip. |
| ACM COMPUT SURV- - - - - - - - - | ASSOC COMPUTING MACHINERY | 7.500 | comput.sci.,theory methods | | |
| ACM SIGPLAN NOTICES- - - - - - | ASSOC COMPUTING MACHINERY | 0.246 | comput.sci.,softw.eng. | | |
| ACM T COMPUT SYST- - - - - - - - | ASSOC COMPUTING MACHINERY | 2.800 | comput.sci.,theory methods | | |
| ACM T DATABASE SYST- - - - - - | ASSOC COMPUTING MACHINERY | 1.957 | comput.sci.,inf.syst. | comput.sci.,softw.eng. | |
| ACM T DES AUTOMAT EL- - - - - | ASSOC COMPUTING MACHINERY | 0.707 | comput.sci.,hardw.archit. | comput.sci.,softw.eng. | |
| ACM T GRAPHIC- - - - - - - - - - - - | ASSOC COMPUTING MACHINERY | 2.124 | comput.sci.,softw.eng. | | |
| ACM T INFORM SYST- - - - - - - - - | ASSOC COMPUTING MACHINERY | 3.533 | comput.sci.,inf.syst. | | |
| ACM T MATH SOFTWARE- - - - - | ASSOC COMPUTING MACHINERY | 0.979 | math.,appl. | comput.sci.,softw.eng. | |
| ACM T PROGR LANG SYS- - - - - | ASSOC COMPUTING MACHINERY | 1.676 | comput.sci.,softw.eng. | | |
| ACM T SOFTW ENG METH- - - - - | ASSOC COMPUTING MACHINERY | 2.240 | comput.sci.,softw.eng. | | |
| ACOUST PHYS+- - - - - - - - - - - - - | MAIK NAUKA/INTERPERIODICA PUBL | 0.326 | acoustics | | |
| ACSMS HEALTH FIT J- - - - - - - - | LIPPINCOTT WILLIAMS & WILKINS | 0.488 | sport sci. | | |
| ACTA ACUST UNITED AC- - - - - - | S HIRZEL VERLAG | 0.409 | acoustics | | |
| ACTA AGR SCAND A-AN- - - - - - | TAYLOR & FRANCIS AS | 0.812 | agric.,dairy anim.sci. | | |
| ACTA AGR SCAND B-S P- - - - - - | TAYLOR & FRANCIS AS | 0.125 | agronomy | agric.,soil sci. | |
| ACTA ALIMENT HUNG- - - - - - - - | AKADEMIAI KIADO | 0.299 | food sci.technol. | nutr.diet. | |

EXCEPTIONNELLE ***

EXCELLENTE

CORRECTE

ACCEPTABLE

MÉDIOCRE

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# APPLICATIONS à L'ÉVALUATION

# Traitement des corpus de publications

## publications

## Disciplines du JCR

1. Bernet N, Delgenes N, Akunna JC, et al.
Combined anaerobic-aerobic sbr for the treatment of piggery wastewater
**WATER RESEARCH** 34 (2): 611-619 FEB **2000**

Eng.,environ.

Environ.sci.

Water resources

2. Gauthier D, Jaffre T, Prin Y
Abundance of Frankia from Gymnostoma spp. in the rhizosphere of Alphitonia neocaledonica, a non-nodulated Rhamnaceae endemic to New Caledonia
**EUROPEAN JOURNAL OF SOIL BIOLOGY** 36 (3-4): 169-175 JUL-DEC **2000**

Agric.,soil sci.

Ecology

3. Zhou, Q; Renard, JP; Le Friec, G; et al.
Generation of fertile cloned rats by regulating oocyte activation
**SCIENCE,** 302 (5648): 1179-1179 NOV 14 **2003**

Multidisciplinary sci

4. Demeure, O; Renard, C; Yerle, M; et al.
Rearranged gene order between pig and human in a QTL region on SSC 7
**MAMMALIAN GENOME**, 14 (1): 71-80 JAN **2003**

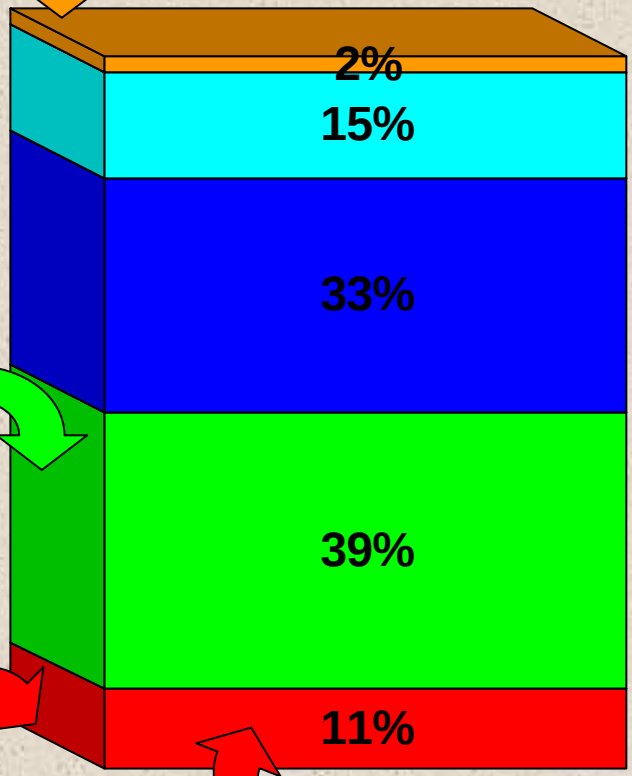
Biotechnol.appl microbiol

Biochem. mol. biol.

Genet.hered

# Caractérisation globale du corpus
# Vision synthétique

2. Gauthier D, et al.
**EUR J SOIL BIOL 2000**
**Agric.,soil sci.**
**Ecology**




**MÉDIOCRES**

**ACCEPTABLES**

**CORRECTES**

**EXCELLENTES**

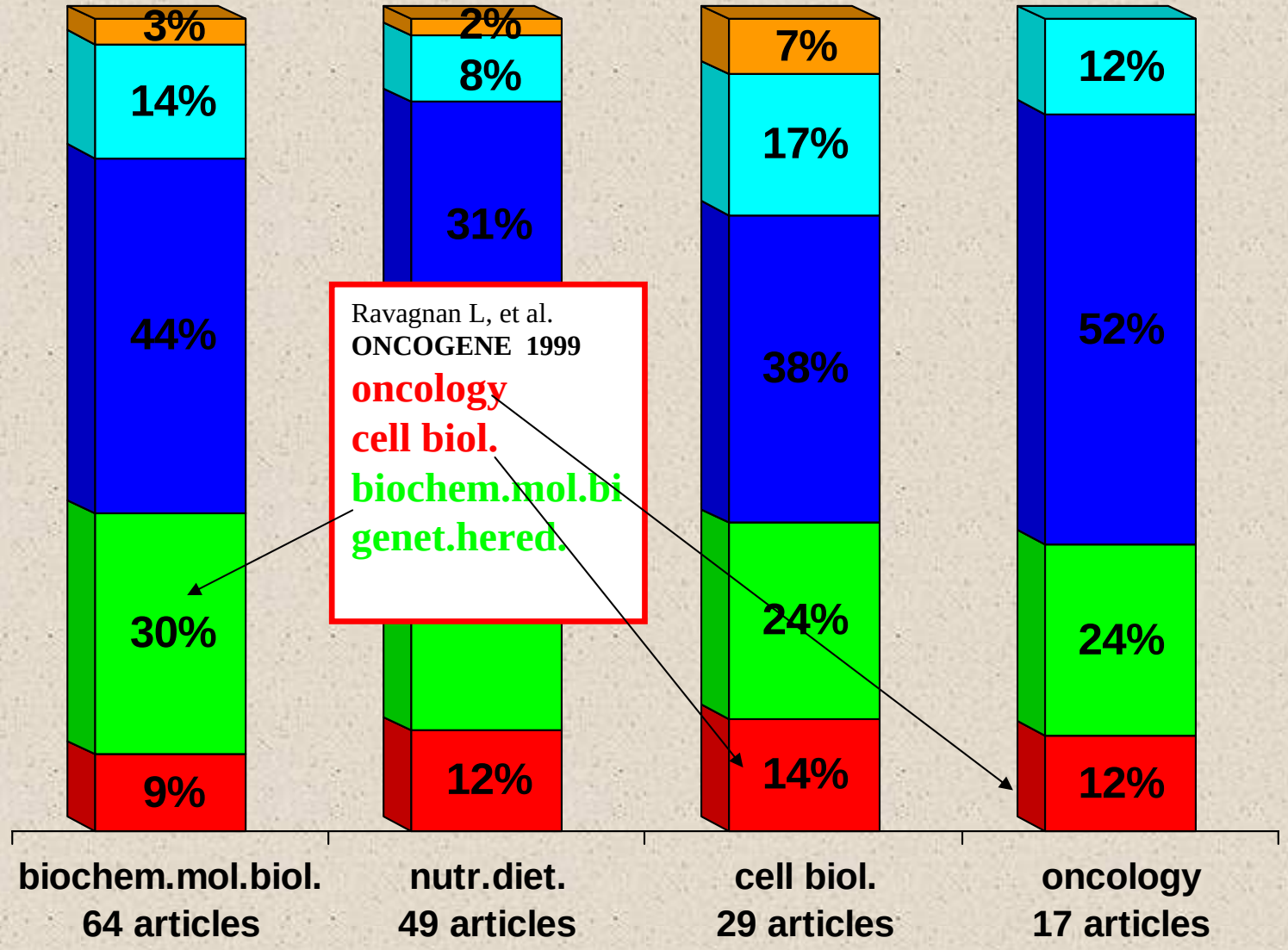
**EXCEPTIONNELLES**

4. Demeure, O et al.
**MAMMALIAN GENOME 2003**
**Biotechnol.appl microbiol**
**Biochem. mol. biol.**
**Genet.hered**

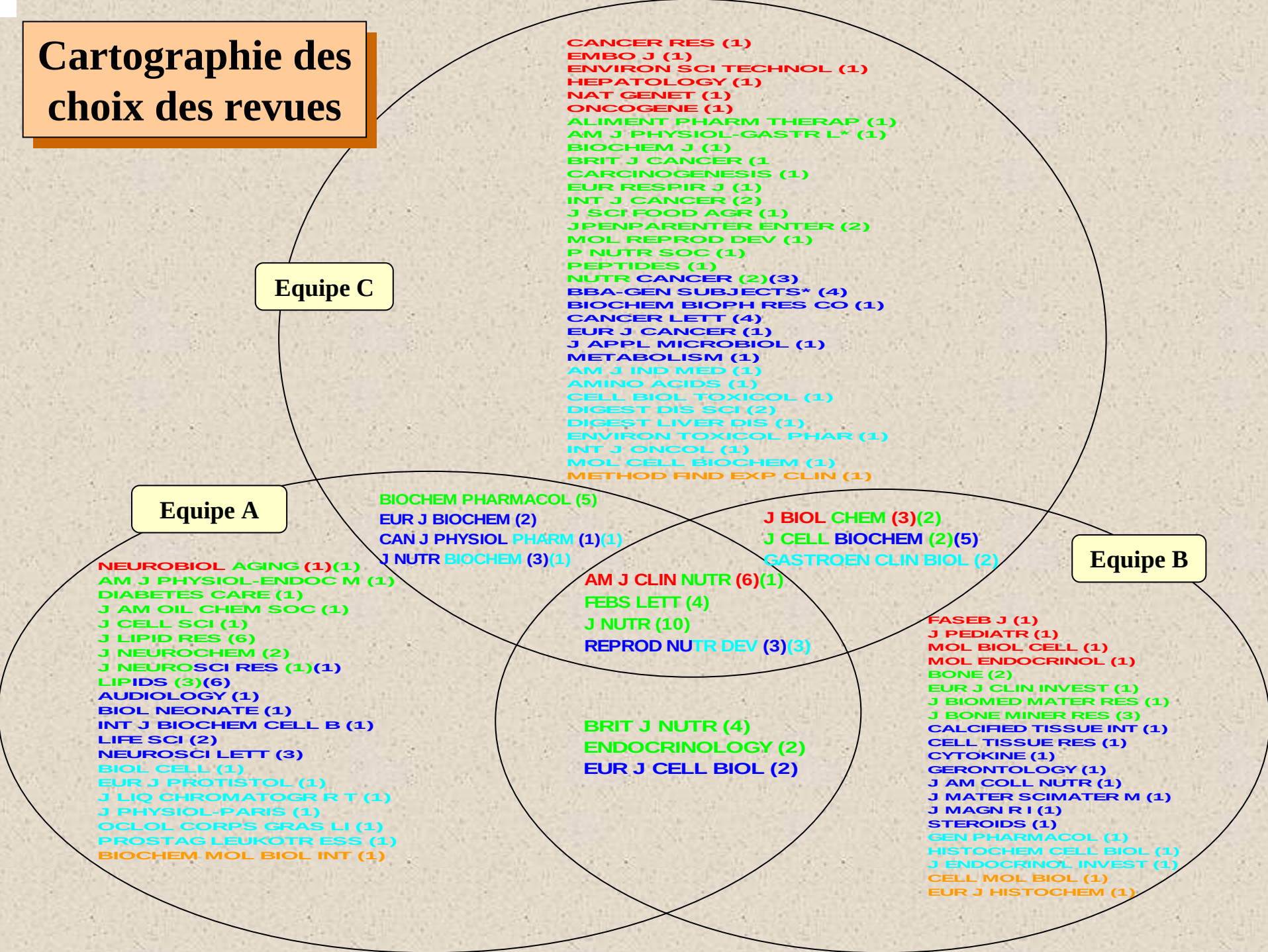
1. Bernet N, et al.
**WATER RES 2000**
**Eng.,environ.**
**Environ.sci.**
**Water resources**

3. Zhou, Q, et al.
**SCIENCE 2003**
**Multidisciplinary sci**

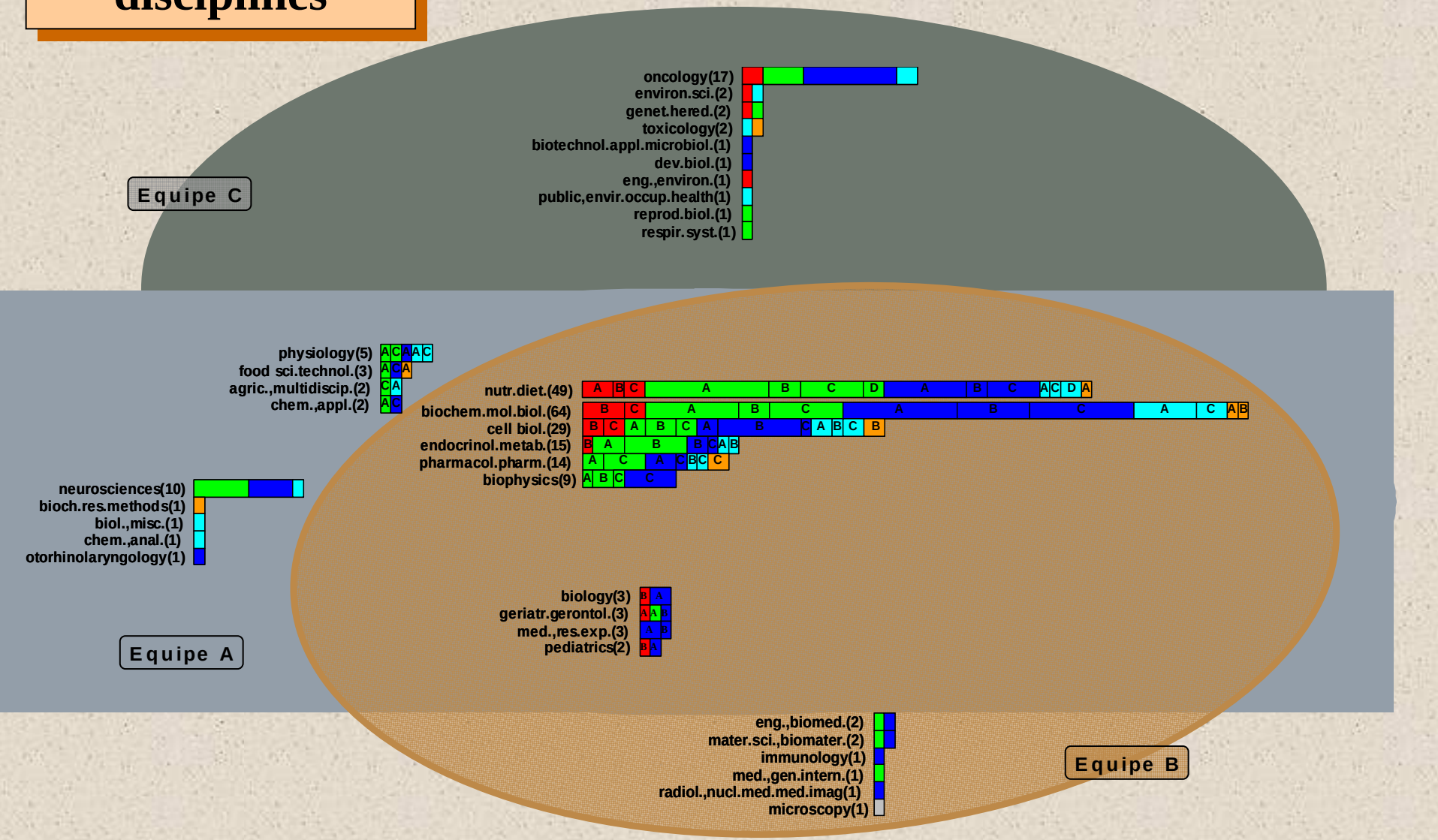
# Notoriété de la production dans les disciplines JCR



# Cartographie des choix des revues



# Cartographie des disciplines



# Panorama synthétique des choix de publication

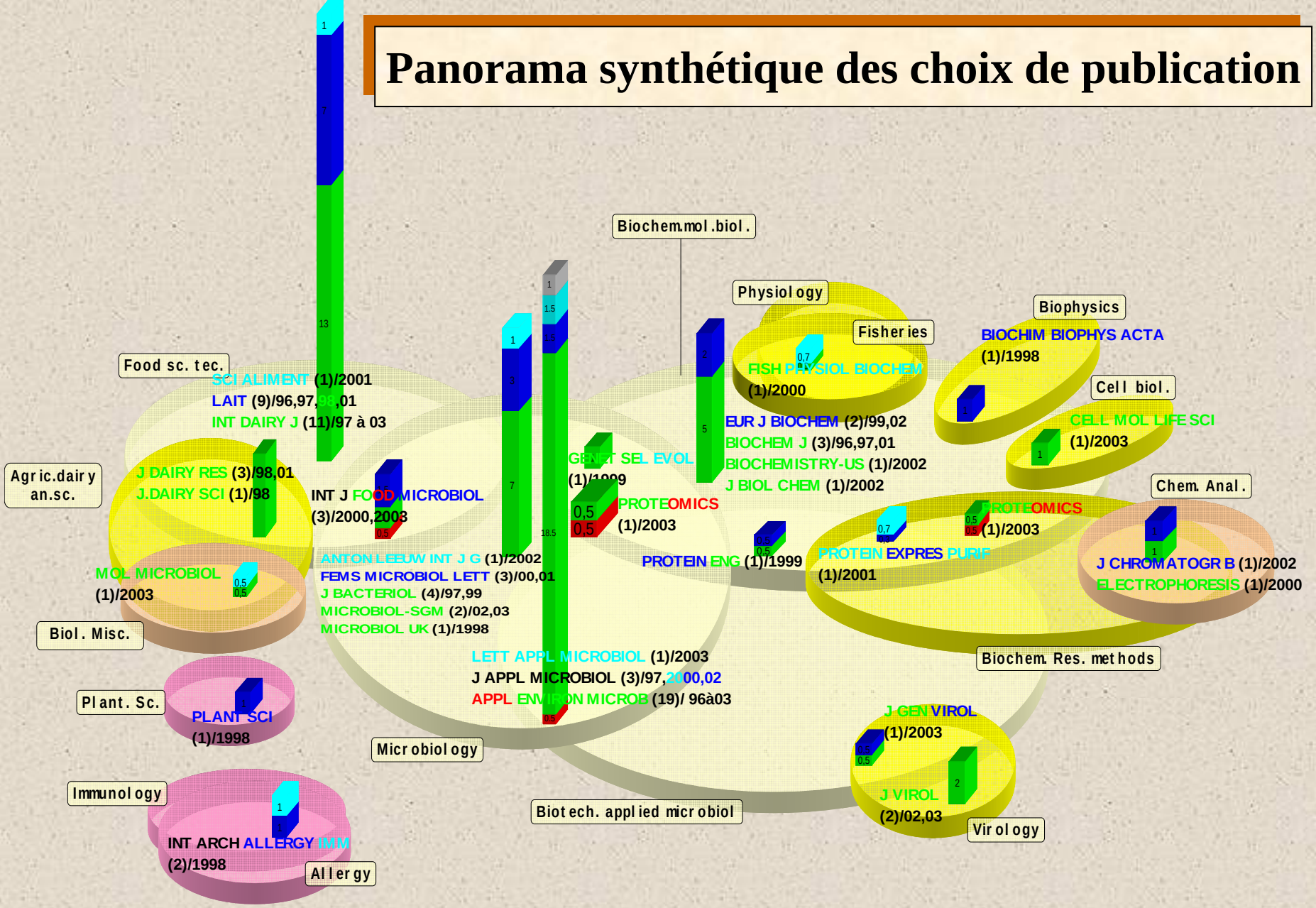



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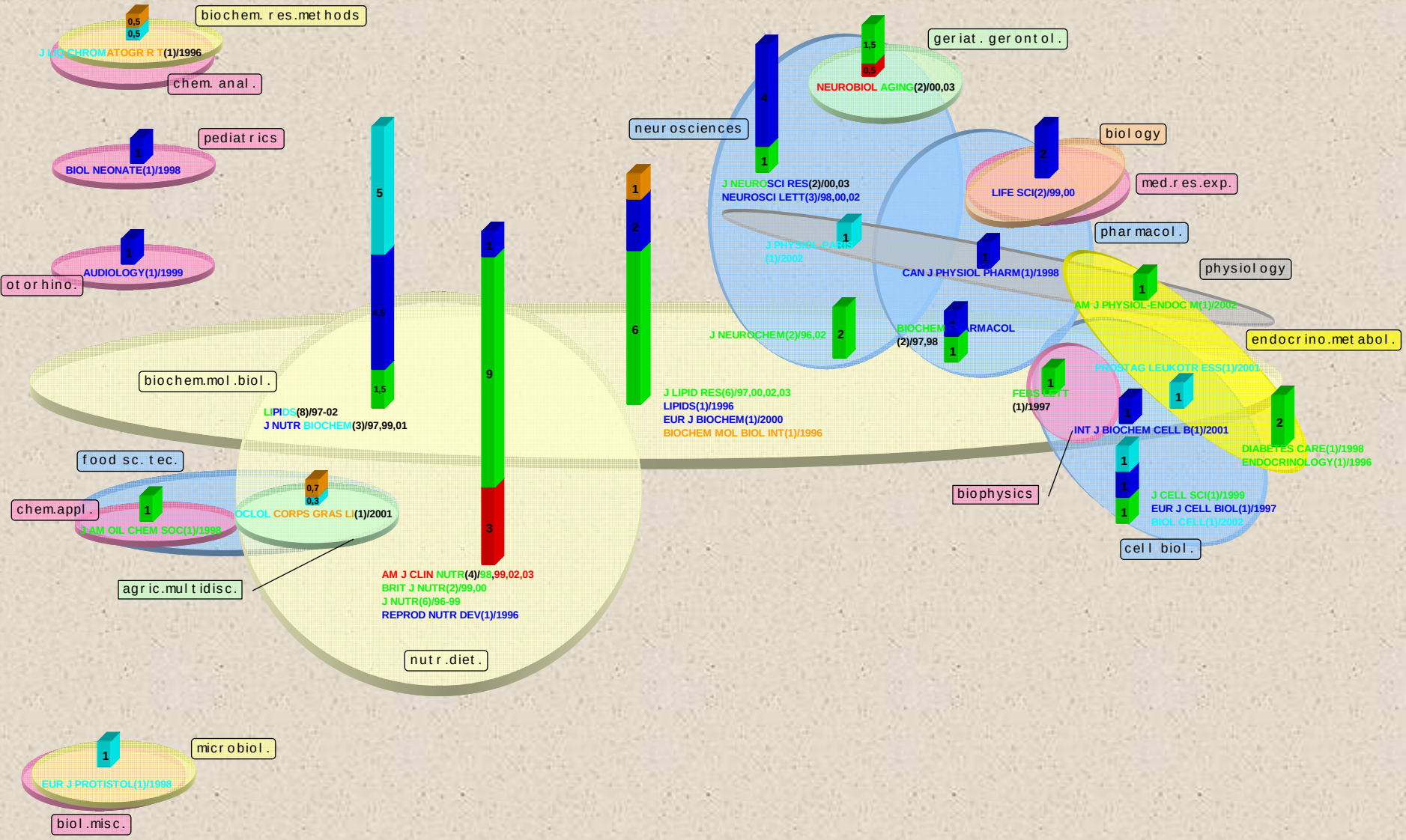
**Fig 9 : profil disciplinaire de l'équipe A d'après ses revues de publication notoriété de ces revues dans leurs disciplines (en nombre d'articles)**




*Magri M-H/Inra/Erist de Jouy/Nancy juin 05*

# IMMEDIACY INDEX

**IMMEDIACITY INDEX 2000 :**

$$\frac{\text{CITATIONS 2000}}{\text{ARTICLES 2000}}$$

# *Répartition des 27 citations par année*

**IMMEDIACY INDEX 2000**

**FACTEUR D'IMPACT 2000**

| 14 revues citées | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1992 | 1989 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| Biochem. Biophys. Res. Commun. | | 1 | | | | | | | | 1 |
| Cell | | | | | | 1 | | | | 1 |
| Curr. Opin. Genet. Dev | | 1 | 1 | 1 | | | | | | 3 |
| Dev. Biol. | | 1 | | | | | | | | 1 |
| Development | 1 | | 1 | 1 | 1 | | | | | 4 |
| Gene | | | | | | | | | 1 | 1 |
| Genes Dev. | | | | | | | | 1 | | 1 |
| J. Biol. Chem. | 2 | | 1 | | | 1 | | | | 4 |
| Mech. Dev. | 1 | | | | | | 1 | | | 2 |
| Mol. Cell. Biol. | | 1 | | | | | | | | 1 |
| Nat. Genet. | | 1 | | 2 | | | | | | 3 |
| Nature | | | 1 | | | | | | | 1 |
| Proc. Natl. Acad. Sci. | 2 | | | | | | | | | 2 |
| Science | 1 | 1 | | | | | | | | 2 |
| TOTAL | 7 | 6 | 4 | 4 | 1 | 2 | 1 | 1 | 1 | 27 |

# IMMEDIACITY INDEX 2000 :

## CITATIONS 2000 / ARTICLES 2000


1. Artavanis-Tsakonas, S. , Rand, M. D. & Lake, R. J. (1999) *Science* 284, 770-776.
2. Weinmaster, G. (1998) *Curr. Opin. Genet. Dev.* 8, 436-442.
3. Bailey, A. M. & Posakony, J. W. (1995) *Genes Dev.*, 2609-2622.
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