



Atelier d'exploration de corpus Istex

Média Normandie - 5 novembre 2024

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Inist-CNRS

Documents utiles

Télécharger ce support et les fichiers utiles au TP sur la page :

<https://istex-medianormandie.formation.lodex.fr/instance/supports>

Programme



01

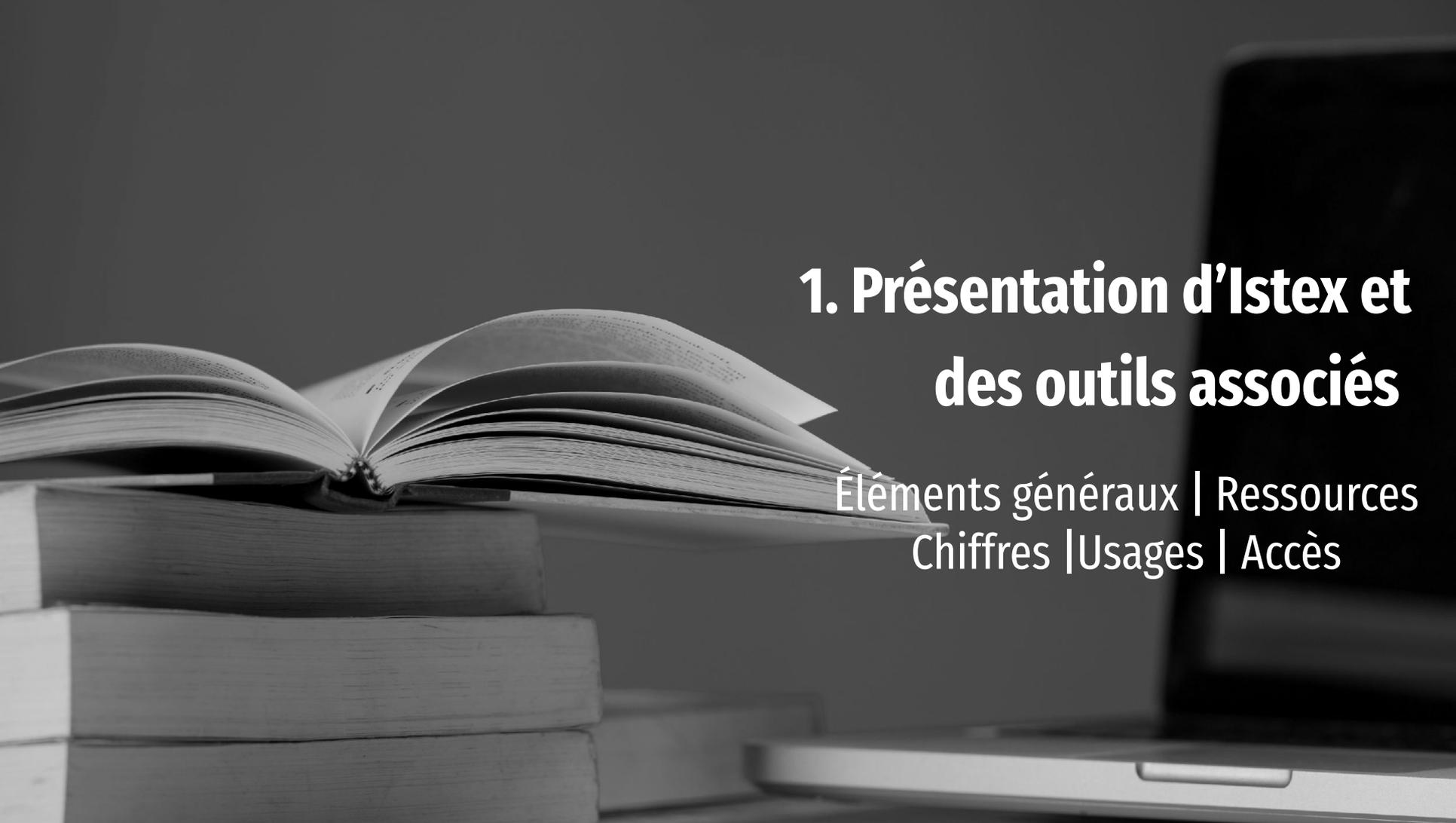
Présentation d'Istex et des outils associés

02

Présentation de la constitution d'un corpus spécialisé à partir des ressources Istex

03

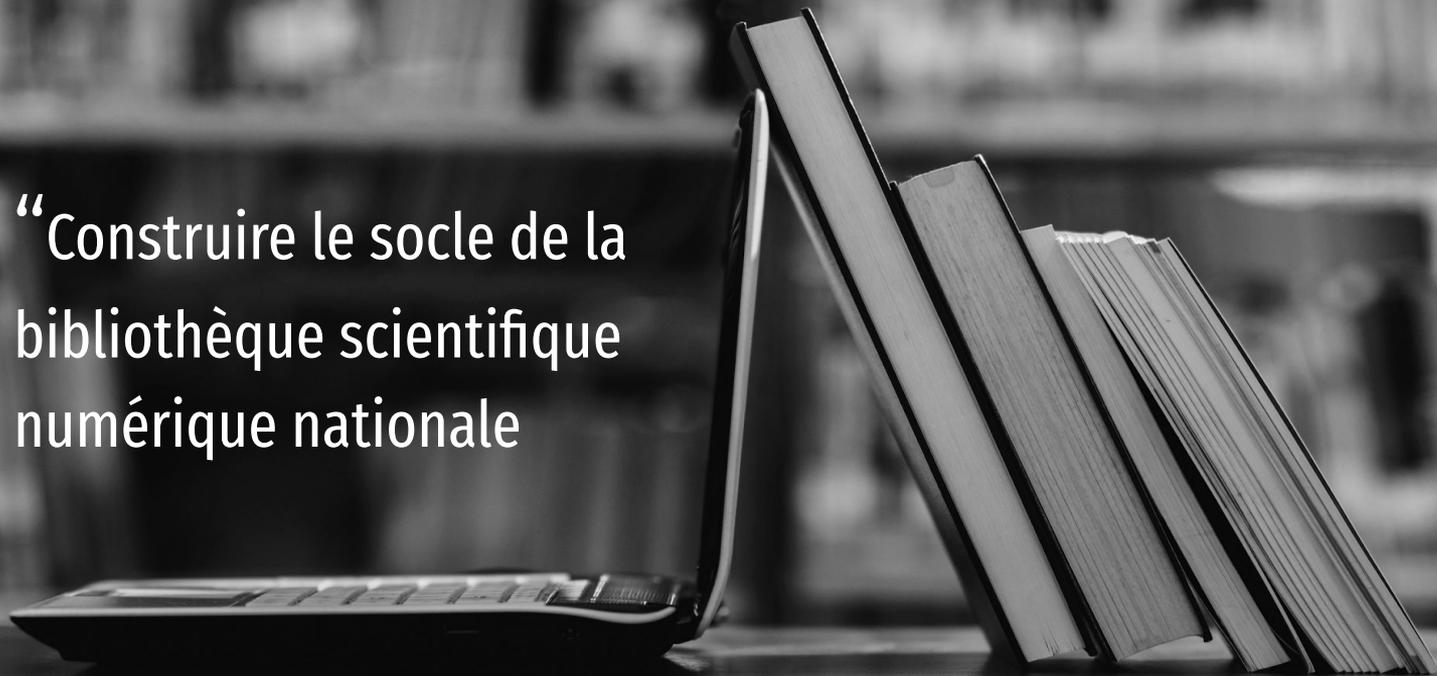
Manipulations des outils présentés

A black and white photograph of a stack of books. The top book is open, showing its pages. To the right, a laptop is partially visible, its screen dark. The background is a dark, solid color.

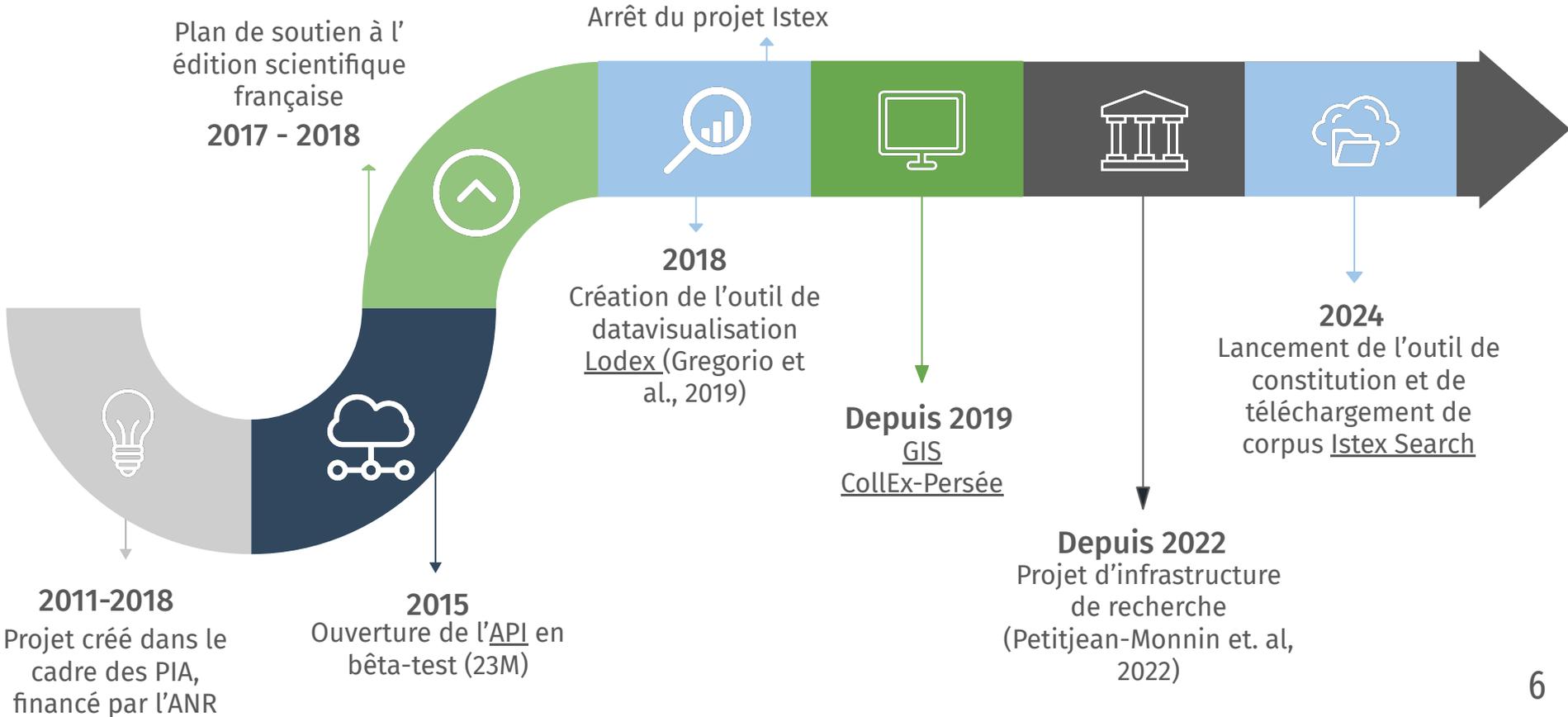
1. Présentation d'Istex et des outils associés

Éléments généraux | Ressources
Chiffres | Usages | Accès

“Construire le socle de la
bibliothèque scientifique
numérique nationale



Éléments généraux



Éléments généraux

Objectifs

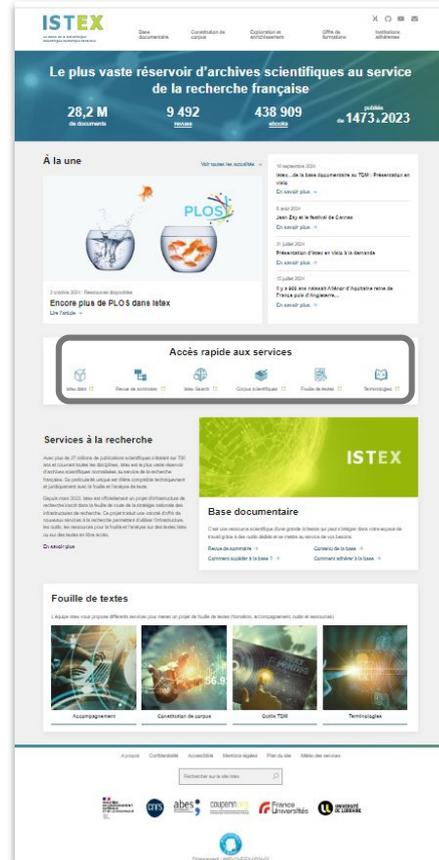
- Acquérir massivement des archives scientifiques multilingues et multidisciplinaires
- Enrichir les données
- Mettre à disposition les données via une plateforme nationale
- Faciliter leur fouille et leur analyse

Accès

- Métadonnées accessibles à toutes et tous
- Textes intégraux et enrichissements réservés à l'ESR (381 établissements inscrits)
- Connexion par adresses Ip ou Fed Ident Rech
- Adhésion de l'établissement
- Pérenne sur Istex mais limité chez l'éditeur

Accès par le site Istex

- Base documentaire
- Constitution de corpus
- Exploration et enrichissement
- Offre de formations
- Institutions adhérentes
- Voir toutes les actualités
- A propos



Ressources

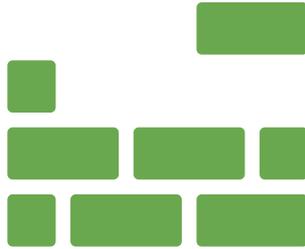


28 180 024

Publications scientifiques*

*Chiffres en date du 21 octobre 2024 avec PloS

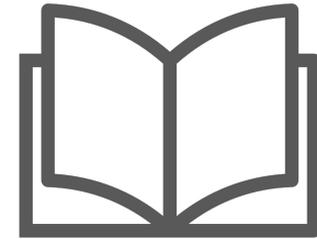
Ressources



48*
bouquets éditeurs



9 500*
revues



439 061*
monographies

Ressources

L'alimentation de la plateforme Istex, avec des ressources provenant du financement de programme d'investissement d'avenir Istex, s'est finie en 2018 !

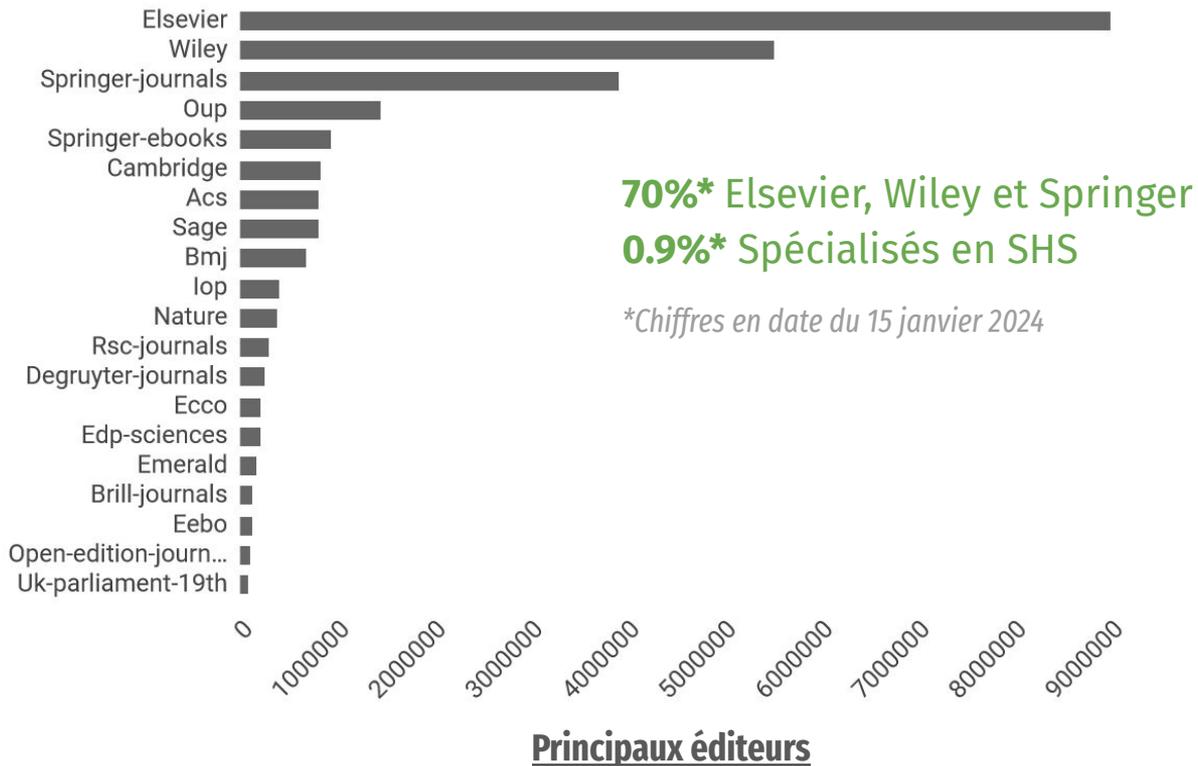
Les chargements continus*

- Augmentation de la couverture temporelle
- Plan de soutien à l'édition numérique française
- GIS CollEx-Persée

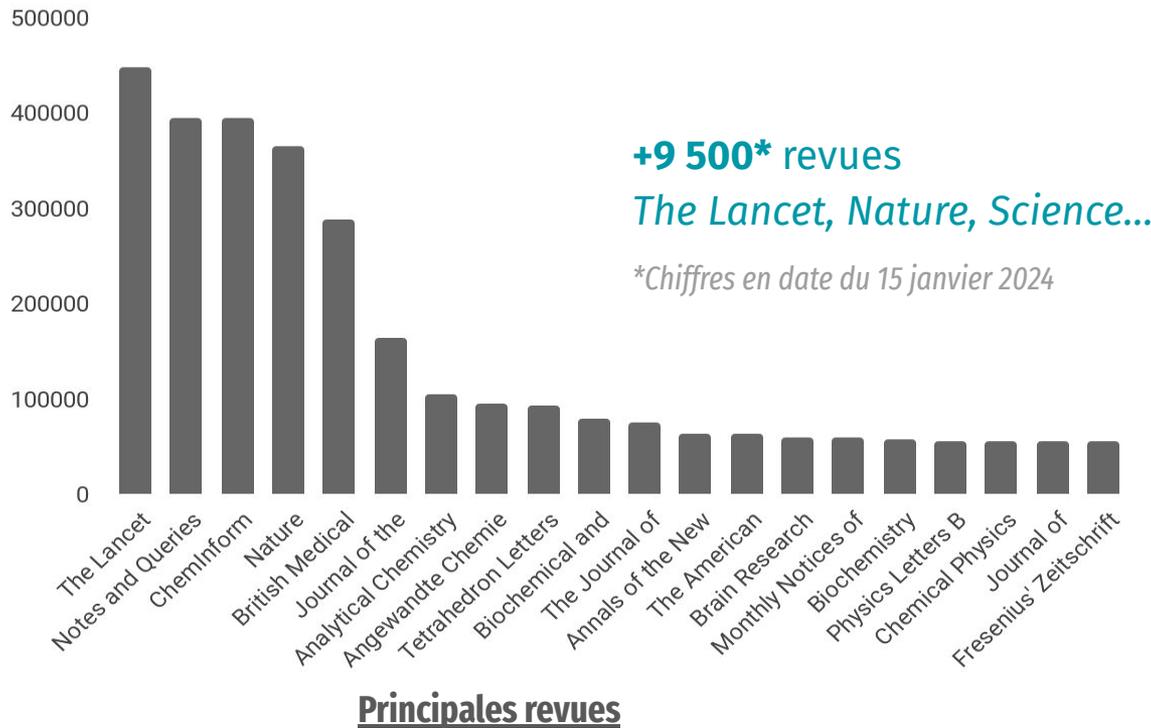
et depuis peu du libre avec PloS...

* [Voir loaded-corpus](#)

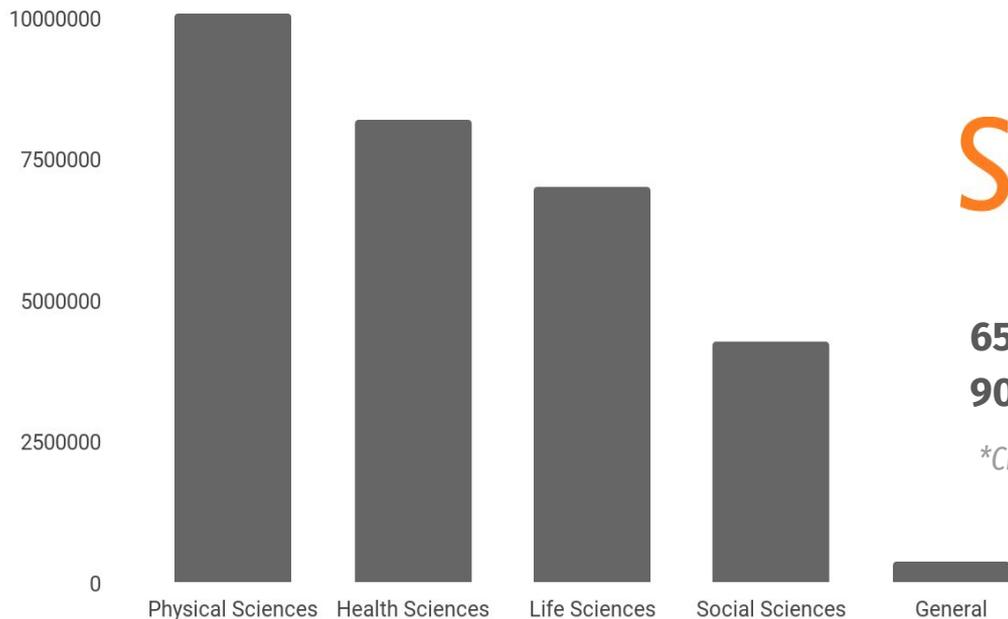
Chiffres



Chiffres



Chiffres



Scopus[®]

65%* Physique et santé

90%* Documents avec une catégorie

**Chiffres en date du 15 janvier 2024*

Principaux domaines scientifiques

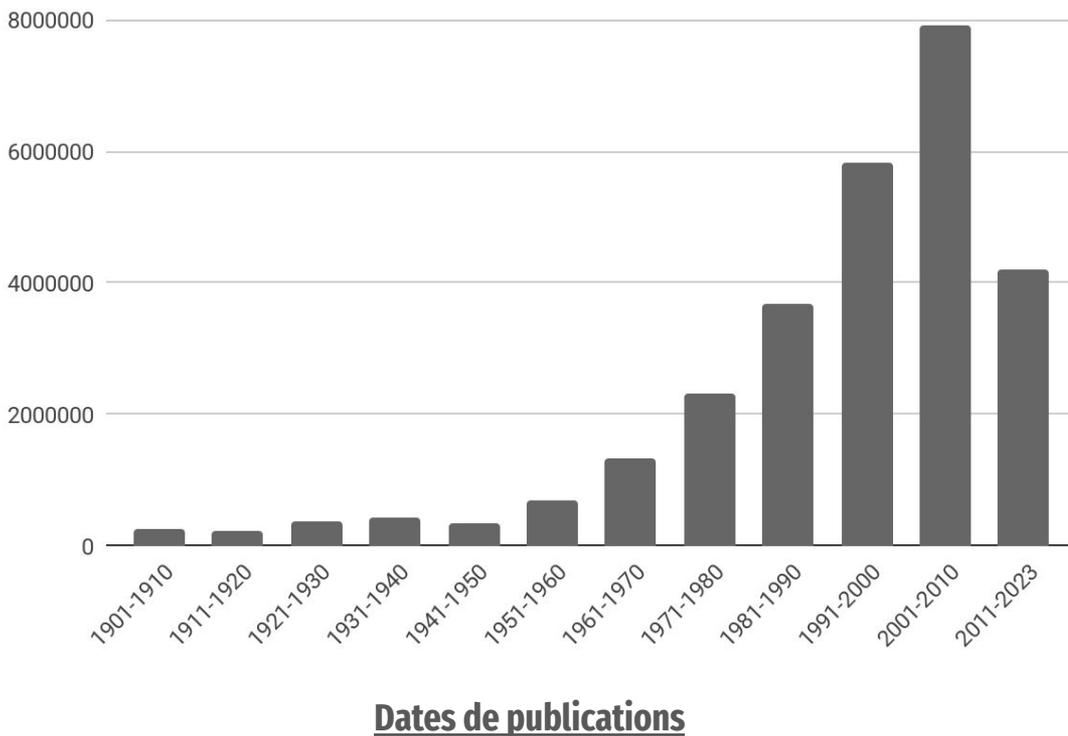
Chiffres

96%* Entre 1900 et aujourd'hui

90%* Depuis 1950

62%* 30 dernières années

**Chiffres en date du 15 janvier 2024*



Chiffres



60 langues

90,3%* en anglais

5%* en allemand

3%* inconnue (non fournie
par l'éditeur)

1,3%* en français

Mais aussi : *du catalan, de
l'arabe, du grec ancien...*

Deux usages

Ressource documentaire

- Trouver des articles scientifiques
- Alimenter des bases documentaires

Matériau de recherche

- Constituer des corpus
- Faire de la fouille de textes, du TDM

Le TDM ?

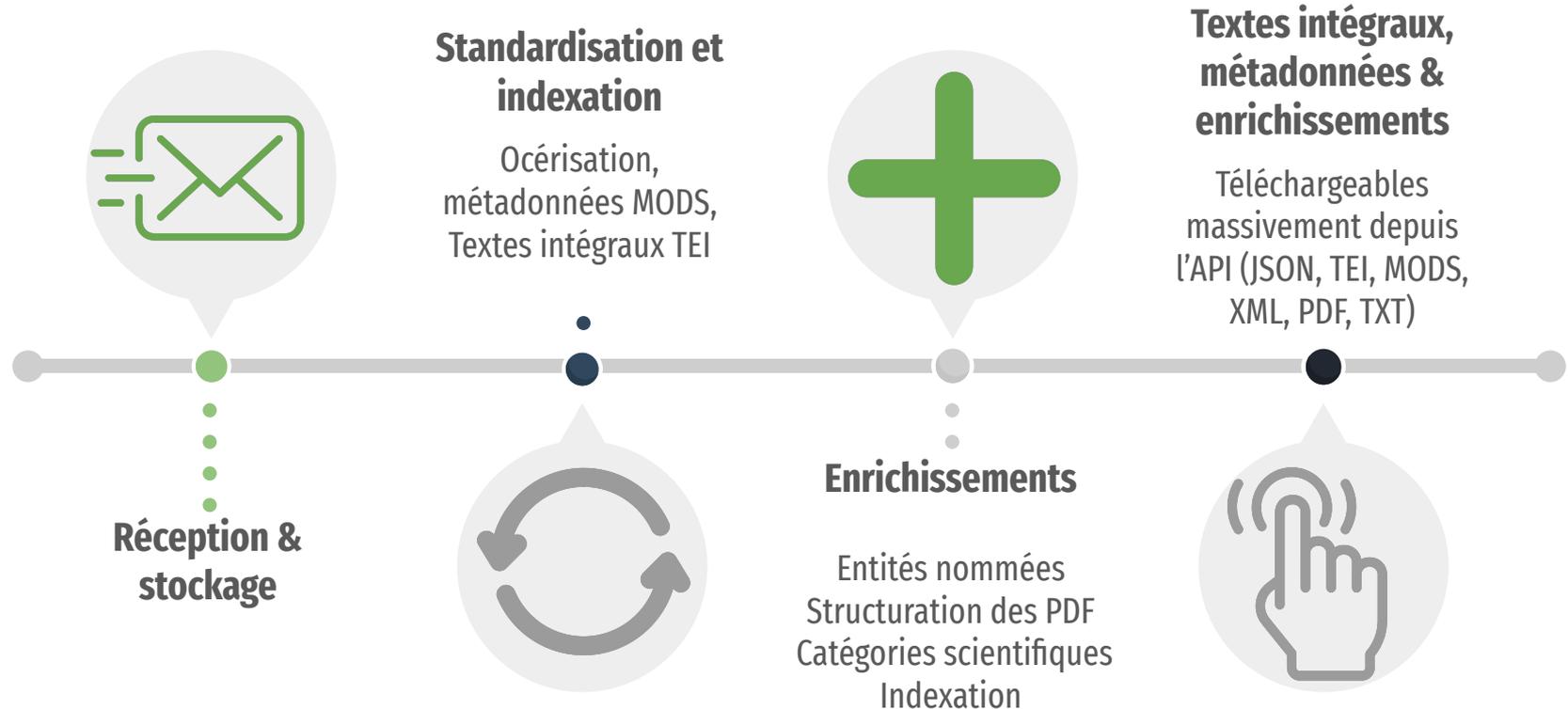
« Toute technique d'analyse automatisée visant à analyser des textes et des données sous une forme numérique afin d'en dégager des informations, ce qui comprend, à titre non exhaustif, des constantes, des tendances et des corrélations »

(Ordonnance du 24 novembre 2021, [ouvrirlascience.fr](https://www.ouvrirlascience.fr))

MaTOS

- Extraire de l'information pertinente
- Répondre à une question (recherche d'information)
- Analyser de gros volumes de textes
- Détecter des sentiments dans les textes
- Construire des résumés automatiques
- Désambigüiser des lieux, des personnes...
- Faire des systèmes de recommandations
- Détecter des « fake news »
- Trier des mails, des textes
- Faire de la bibliométrie

La chaîne de traitements



Enrichissements

Ré-océrisation

676

Intraventricular kainic acid preferentially destroys hippocampal pyramidal cells

THE hippocampus is particularly vulnerable to a variety of conditions, such as anoxia, status epilepticus and senile dementia, in which central neurones are lost^{1,2}. Most commonly, the lesion involves only the Sommer sector (h₁) and the endfolium (h₃-h₅), sparing area h₂, the fascia dentata and most regions outside the hippocampal formation. The consequences for hippocampal connections are unknown. Studies on the rat hippocampus suggest that connections made by the affected neurones could be replaced by axons of other neurones which project to the same areas^{3,4}. These anomalous synapses might either compensate in part for the loss of cells or contribute to whatever functional deficits may derive from the lesion. Since a good deal is known about afferent and efferent hippocampal connections in the rat, this animal might serve as a model for studies of hippocampal damage. However, the selective pathology seen clinically cannot be reproduced by conventional lesioning techniques. Ideally, one would like to use a toxin relatively specific for the neurones in question. Kainic acid, a potent excitatory analogue of glutamic acid⁵⁻⁷, has been used to destroy neurones in the arcuate nucleus⁸ and striatum,⁹⁻¹¹ while sparing fibres which pass to or through these regions. Previous workers have also briefly noted lesions in the hippocampus^{8,11} but these were not described. Accordingly, we

676

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Intraventricular kainic acid preferentially destroys hippocampal pyramidal cells

THE hippocampus is particularly vulnerable to a variety of conditions, such as anoxia, status epilepticus and senile dementia, in which central neurones are lost^{1,2}. Most commonly, the lesion involves only the Sommer sector (h) and the endfolium (h_{3wh5}), sparing area h₂, the fascia dentata and most regions outside the hippocampal formation. The consequences for hippocampal connections are unknown. Studies on the rat hippocampus suggest that connections made by the affected neurones could be replaced by axons of other neurones which project to the same areas^{3,4}. These anomalous synapses might either compensate in part for the loss of cells or contribute to whatever functional deficits may derive from the lesion. Since a good deal is known about afferent and efferent hippocampal connections in the rat, this animal might serve as a model for studies of hippocampal damage. However, the selective pathology seen clinically cannot be reproduced by conventional lesioning techniques. Ideally, one would like to use a toxin relatively specific for the neurones in question. Kainic acid, a potent excitatory analogue of glutamic acid^{5,6}, has been used to destroy neurones in the arcuate nucleus⁸ and striatum⁹⁻¹¹ while sparing fibres which pass to or through these regions. Previous workers have also briefly noted lesions in the hippocampus^{8,11} but these were not described. Accordingly, we

Objectif : pouvoir manipuler du texte

Enrichissements

Caractérisation des textes

Ir J Med Sci (2010) 179:259–263
 DOI 10.1007/s11845-009-0432-3

ORIGINAL ARTICLE

The cervical spine of professional front-row rugby players: correlation between degenerative changes and symptoms

B. A. Hogan · N. A. Hogan · P. M. Vos ·
 S. J. Eustace · P. J. Kenny

Received: 6 October 2008 / Accepted: 14 September 2009 / Published online: 8 October 2009
 © Royal Academy of Medicine in Ireland 2009

Abstract

Background Injuries to the cervical spine (C-spine) are among the most serious in rugby and are well documented. Front-row players are particularly at risk due to repetitive high-intensity collisions in the scrum.

Aim This study evaluates degenerative changes of the C-spine and associated symptomatology in front-row rugby players.

Materials and methods C-spine radiographs from 14 professional rugby players and controls were compared. Players averaged 23 years of playing competitive rugby. Two consultant radiologists performed a blind review of radiographs evaluating degeneration of disc spaces and apophysal joints. Clinical status was assessed using a

modified AAOS/NASS/COSS cervical spine outcomes questionnaire.

Results Front-row rugby players exhibited significant radiographic evidence of C-spine degenerative changes compared to the non-rugby playing controls ($P < 0.005$). Despite these findings the rugby players did not exhibit increased symptoms.

Conclusion This highlights the radiologic degenerative changes of the C-spine of front-row rugby players. However, these changes do not manifest themselves clinically or affect activities of daily living.

Keywords Rugby · Cervical spine · Degenerative change · Front-row

Introduction

Injuries to the cervical spine (C-spine) are among the most serious injuries occurring in rugby [1]. The earliest published reference to the relationship between rugby and spinal injuries dates back to a report in *The Times* of London from November 1869 [2]. A consistent finding from several studies is the high proportion of injuries sustained by players in the front-row of the scrum [1, 3–7].

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P. M. Vos

score:	5.159
pdfwordCount:	3239
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pdfVersion:	1.3
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pdfWordsPerPage:	648
pdfText:	true

Objectif : ajouter des métadonnées (score de qualité, qualité des PDF, nombre de mots, présence et type d'enrichissements)

Enrichissements

Structuration des PDF

Automatic Extraction and Resolution of Bibliographical References in Patent Documents

Patrice Lopez

patrice.lopez@hotmail.com

Abstract. This paper describes experiments with Conditional Random Fields (CRF) for extracting bibliographical references in patent documents. CRF are used for performing extraction and parsing tasks which are expressed as sequence tagging problems. The automatic recognition covers references to other patent documents and to scholarship publications which are both characterized by a strong variability of contexts and patterns. Our work is not limited to the extraction of reference blocks but also includes fine-grained parsing and the resolution of the bibliographical references based on data normalization and the access to different online bibliographical services. For these different tasks, CRF models surpass significantly existing rule-based algorithms and other machine learning techniques, resulting more particularly in a very high performance for patent reference extractions with a reduction of approx. 75% of the error rate compared to previous works.

Introduction

Bibliographical citations play a major role in patent information. Citations represent the closest prior art which will be the basis for evaluating the contribution a patent application and for identifying grantable subject matter. In patent cases, the result of the search phase is the *search report*, a collection of references to patents and to other public documents such as scientific articles, technical manuals or research disclosures, so-called Non-Patent Literature (NPL). In

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Objectif : identifier le titre, le résumé, le corps du texte

Enrichissements

Extraction des références bibliographiques

References

1. Lopez, P., Romary, L.: Multiple retrieval models and regression models for prior art search. In: CLEF 2009 Workshop, Technical Notes, Corfu, Greece (2009)
2. Nakov, P., Schwartz, A., Hearst, M.: Citances: Citation sentences for semantic

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Qui cite Didier Raoult ?

Objectif : détecter et structurer les références bibliographiques des articles en XML et TEI

Enrichissements

Catégorisation des documents

JOURNAL OF
Plant Physiology
 © 1997 by Gustav Fischer Verlag, Jena

Concentration of Zinc and Activity of Copper/Zinc-Superoxide Dismutase in Leaves of Rye and Wheat Cultivars Differing in Sensitivity to Zinc Deficiency

I. ÇAKMAK¹*, L. ÖZTÜRK¹, S. EKER¹, B. TORUN¹, H. I. KALFA¹, and A. YILMAZ²

¹ Department of Soil Science and Plant Nutrition, Faculty of Agriculture, Cukurova University Adana, Turkey

² International Winter Cereals Research Center, POB 325 Konya, Turkey

Received July 16, 1996 - Accepted October 30, 1996

Summary

Two bread wheat (*Triticum aestivum* L. cv. Bezostaja-1 and BDME-10), two durum wheat (*Triticum durum* L. cvs. Kuzdere-1149 and Kasilan-91) and one rye (*Secale cereale* L. cv. Adim) cultivars differing in sensitivity to zinc (Zn) deficiency were grown under controlled environmental conditions for 21 days in a Zn deficient soil to compare severity of Zn deficiency symptoms with the concentration of total Zn and activities of total superoxide dismutase (SOD), copper (Cu) and Zn containing SOD (Cu/Zn-SOD) and manganese (Mn) containing SOD (Mn-SOD) in leaves.

Visual Zn deficiency symptoms such as development of whitish-brown necrotic patches on leaf blades appeared rapidly and were severe in bread wheat cultivar BDME-10 and particularly in both durum wheat cultivars, while Bezostaja-1 was much less affected by Zn deficiency. In the case of rye, the leaf symptoms were either absent or only slightly developed. The effect of Zn deficiency on shoot dry matter production was very similar to the effect on leaf symptoms. Decreases in shoot dry matter production as a result of Zn deficiency were about 16% in Adim (rye) and Bezostaja-1, 36% in BDME-10 and 47% in durum wheats. Despite of such marked differences in sensitivity to Zn deficiency, concentrations of Zn in leaf dry matter were not different between the cultivars under Zn deficiency. However, activities of Cu/Zn-SOD and, in part, total SOD, but not Mn-SOD were very closely related with the sensitivity of cultivars to Zn deficiency. Under Zn deficiency, rye showing a high resistance to Zn deficiency had the greatest activity of Cu/Zn-SOD. Among the wheat cultivars, Bezostaja-1 with less sensitivity to Zn deficiency showed higher activity of Cu/Zn-SOD than other wheat cultivars.

The results suggested that Zn efficient cereal genotypes possess higher amounts of physiologically active Zn in leaves and that activity of Cu/Zn-SOD is a better indicator of Zn nutritional status of plants than Zn concentration alone. An efficient utilization of Zn at the cellular level seems to be a major factor determining expression of Zn efficiency in cereals growing under deficient supply of Zn.

Ex. par appariement : *WOS Plant Sciences*

Par apprentissage : *Agronomie, Sciences du sol et production végétales*

Objectif : déterminer les domaines scientifiques des documents

Enrichissements

Indexation automatique

A Retrospective Mortality Study of Workers Exposed to Arsenic in a Gold Mine and Refinery in France

L. Simonato, MD, J.J. Moulin, MD, B. Javelaud, MD, PhD, G. Ferro, BSc,
 P. Wild, BSc, R. Winkelmann, MA, and R. Saracchi, MD

A historical mortality study of a cohort of employees of a gold mining and refining company was carried out in Salsigne, France. A major goal of the study was to investigate the relationship between lung cancer mortality and exposure to arsenic, radon, silica, and other contaminants of the working environment. A twofold excess of lung cancer was found both among miners and smelters, mainly concentrated among workers who had experienced exposure to past levels of arsenic, radon, and silica. The consistency of the results in the mine and the refinery are suggestive of a carcinogenic risk from both soluble and insoluble arsenic, although the potential role of other factors cannot be dismissed. © 1994 Wiley-Liss, Inc.

Key words: radon, silica, gold mining and refining, retrospective cohort, lung cancer

INTRODUCTION

An apparent high incidence of neoplasms of the respiratory system among employees in gold extraction and refining in Salsigne (Aude) was first reported in 1977 [doctoral thesis by Perisse, 1976–77] from the Department of Pneumology of the General Hospital in Carcassonne. Forty cases of lung cancer were included in the first investigation, whose results, even in the absence of a formal comparison group, appeared to indicate a large excess when considering the time period and the size of the population studied. A similar case series was subsequently reported in 1985 in another doctoral thesis written by Jammes [1985].

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Lung Cancer
 Cohort
 Arsenic
 Miner
 Refinery
 Salsigne
 Diesel exhaust
 First exposure

Objectif : extraire les termes les plus représentatifs

Enrichissements

Détection d'entités nommées

1. Personnes
2. Lieux
3. Organisations
4. Projets financés
5. Organisme financeur
6. Hébergeur de ressources
7. URL
8. Dates
9. Citations

INTRODUCTION

An apparent high incidence of neoplasms of the respiratory system among employees in gold extraction and refining in Salsigne (Aude) was first reported in 1977 [doctoral thesis by Perisse, 1976–77] from the Department of Pneumology of the General Hospital in Carcassonne. Forty cases of lung cancer were included in the first investigation, whose results, even in the absence of a formal comparison group, appeared to indicate a large excess when considering the time period and the size of the population studied. A similar case series was subsequently reported in 1985 in another doctoral thesis written by Jammes [1985].

Objectif : *extraire les EN*

Accès Istex pour le documentaire*



Istex.fr

Site général, vitrine du possible



[Google Scholar](https://scholar.google.com/)

Génération de Google holdings couverture Istex



[Click Read](#)

Extension de navigateur



[Solution de découverte](#)

Bouquets dans module d'administration



[Revue de sommaire](#)

Page dédiée pour chaque revue et monographie Istex



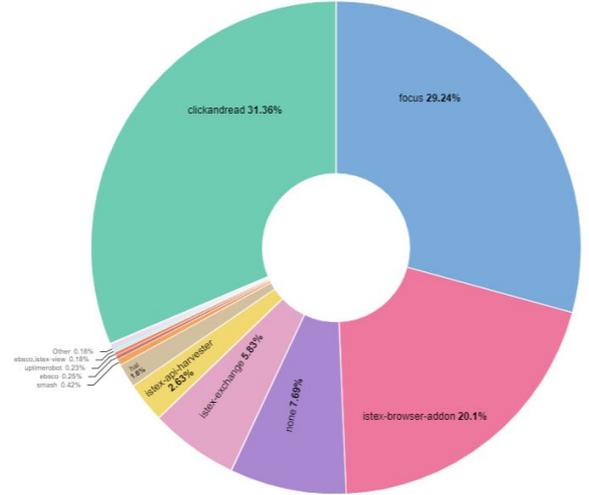
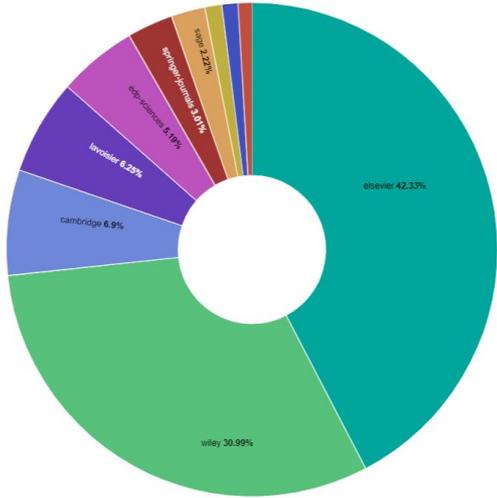
[Istex Search](#)

Recherche et téléchargement

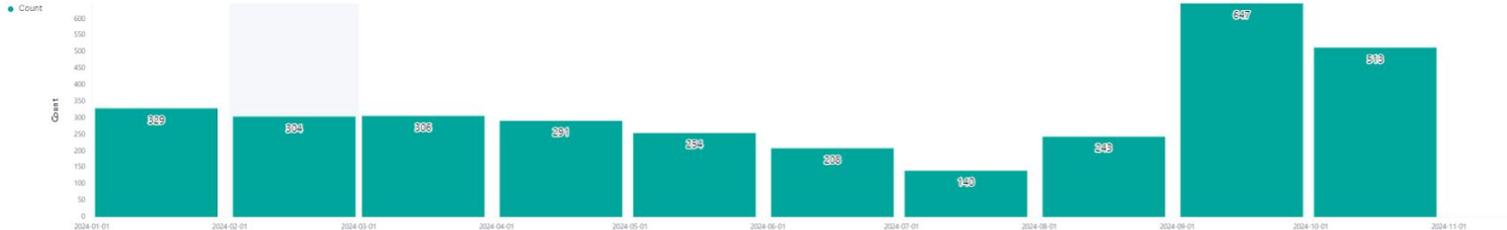
Mesure des données d'usage

Avec Kibana

- clickandread
- focus
- istex-browser-addon
- none
- istex-exchange
- istex-api-harvester
- hal
- smash
- ebsco
- uptimerobot
- ebsco,istex-view
- Other
- syrtis
- scodex-harvest-corpus
- ILL-ESRF
- google,istex-view



3,235 accès à la plateforme sur **24** Corpus **2, Jan 2024** Début de période **20, Oct 2024** Fin de période



Accès Istex pour le TDM



Istex.fr

Site général, vitrine du possible



Corpus scientifique

Jeux de données regroupant des sélections de publications Istex



Istex Search

Outil de constitution de corpus connecté à l'API



Lodex

Outil de création de sites web (visualisation de données)



Loterre

Bibliothèque de terminologies multilingues



Istex TDM

Bibliothèque de web services

Bilan



Des données accessibles
➔ un seul lieu pour de nombreuses sources



Des données interopérables
Homogénéisées et corrigées
➔ moins de prétraitements



Des données enrichies
➔ des documents retrouvés et analysés plus facilement



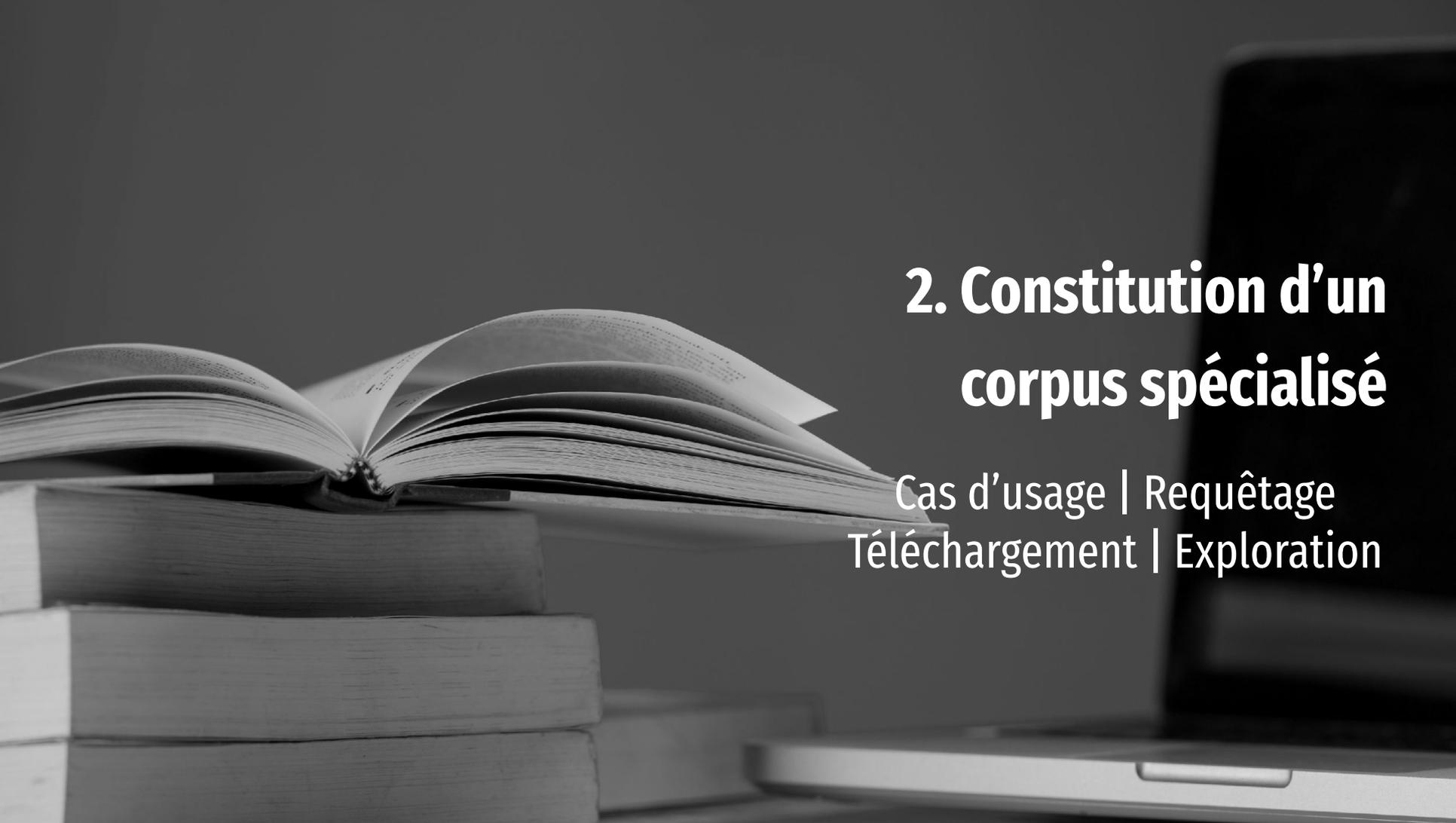
Des millions de textes et de métadonnées téléchargeables en 3 clics



Des connexions vers des outils / plateformes du monde académique



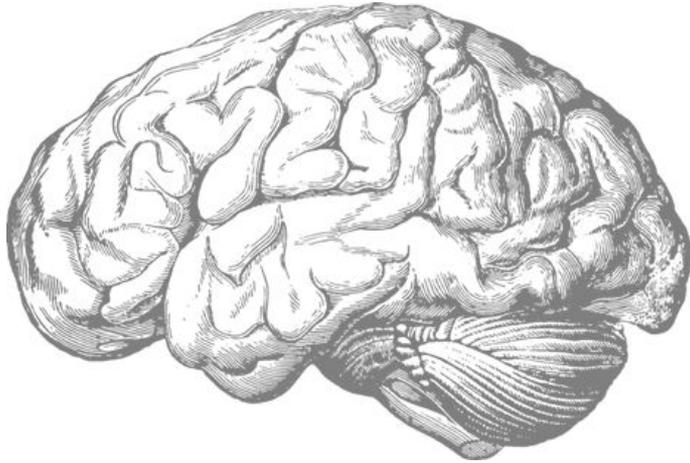
Un cadre juridique sécurisé par une licence appropriée et déjà négociée

A black and white photograph of a stack of books. The top book is open, showing its pages. To the right, a laptop is partially visible, with its screen and keyboard area shown. The background is dark and out of focus.

2. Constitution d'un corpus spécialisé

Cas d'usage | Requêtage
Téléchargement | Exploration

Cas d'usage



Besoin : *recherche en collaboration avec des chercheurs en psychologie et en neurosciences pour constituer un thésaurus sur la mémoire humaine pour : indexer des publications ou des ressources ; uniformiser la terminologie du domaine ; répertorier les concepts issus de la recherche cognitive sur la mémoire humaine*

Méthodologie

- Vérifier la pertinence scientifique du corpus en collaboration avec les experts
- Affiner ou enrichir le corpus au moyen d'outils propres à Irist en vue d'une exploitation TDM
- Extraire la terminologie

Méthodologie



**2 phases
&
2 outils**

1

**Pertinence
scientifique**

Istex Search : construction et
affinement requête,
extraction corpus v0

Lodex : examen de la pertinence
du corpus grâce aux
datavisualisations & aux facettes

2

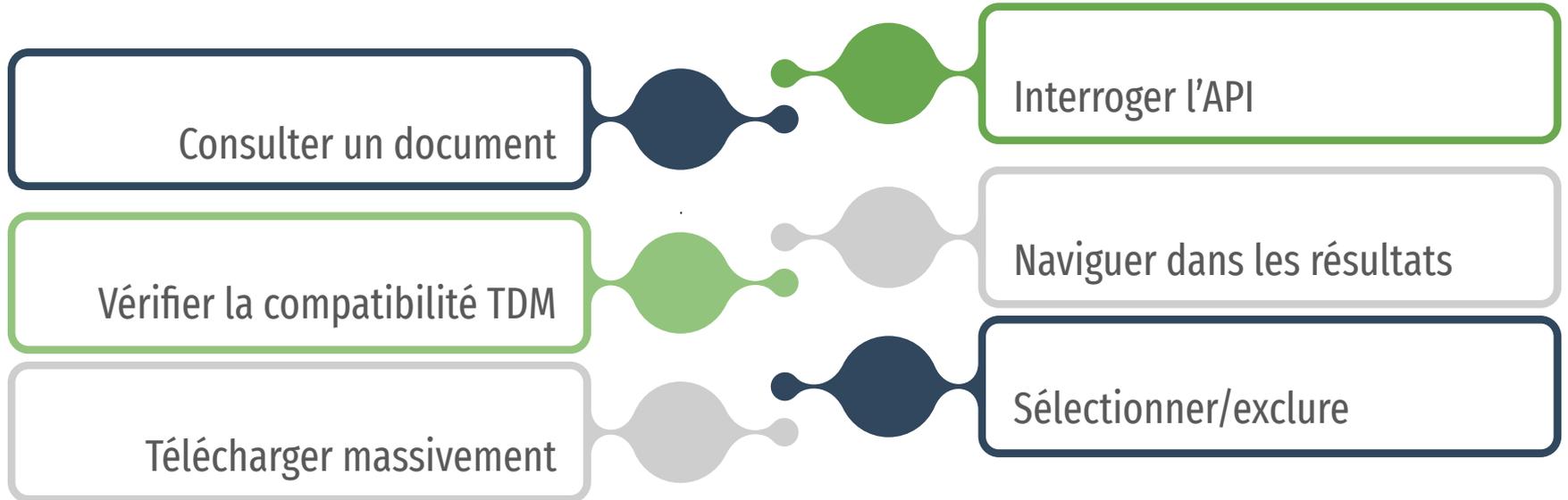
**Exploitabilité
TDM**

Istex Search : examen des
indicateurs techniques pertinents

A black and white photograph of a man with a beard and glasses, wearing a dark t-shirt, looking down at a laptop. He is surrounded by large stacks of books on both sides. The text "Présentation d'Istex Search" is overlaid in the center of the image.

Présentation d'Istex Search

Présentation d'Istex Search



Présentation d'Istex Search

1 corpus en 3 étapes

<h3>Requête</h3>	<p>Plusieurs modes de recherche vous permettent d'interroger Istex : la recherche simple, la recherche assistée et l'import d'une liste d'identifiants.</p>
<h3>Exploration</h3>	<p>Différents filtres et indicateurs sont à votre disposition pour analyser le contenu du corpus et affiner votre requête pour obtenir un corpus de qualité.</p>
<h3>Téléchargement</h3>	<p>Istex Search propose de télécharger jusqu'à 100 000 documents en choisissant les données (métadonnées, textes intégraux, enrichissements) dans des formats adaptés à vos besoins.</p>

Présentation d'Istex Search

3 modes de requêtage

Créez votre requête

RECHERCHER

Testez des exemples de requêtes

Réchauffement climatique
Émile Durkheim
Traduction & IA
Toxicité de l'éphédrine
Frida Kahlo : une icône
Débarquement de Normandie

Présentation d'Istex Search

Recherche simple

Résultats de votre requête




1775 documents trouvés

("traduction automatique" "machine translation") AND language:("fre" "eng") AND (categories.scienceMetrix:"artificial intelligence" OR categories.wos:"artificial intelligence" OR categories.scopus:"artificial intelligence")

RECHERCHER

Votre requête brute : [https://api.istex.fr/document?q=\(\"traduction automatique\" \"machine translation\"\) AND language:\(\"fre\" \"eng\"\) AND \(categories.sc...](https://api.istex.fr/document?q=(\)


REQUÊTE BRUTE

Requêtage

Recherche assistée

Assistant à la construction de requête

🔍 📄 🔄

+ AJOUTER UNE RÈGLE
 + AJOUTER UN GROUPE
 🔄 RÉINITIALISER

AND ▾
Date de publication ▾
est entre ▾
1990 - 2023
✖

+ AJOUTER UNE RÈGLE
 + AJOUTER UN GROUPE
 ✖ SUPPRIMER

AND ▾
Titre article ou chapitre ▾
contient ▾
chat
✖

Titre article ou chapitre ▾
contient ▾
chien
✖

RECHERCHER

Requêtage

Recherche par identifiants

Résultats de votre import

34 documents trouvés



ark:/67375/1BB-7BF8FH47-P
ark:/67375/6H6-9JK6PB9C-T
ark:/67375/6H6-HB2ZZ0RZ-Q
ark:/67375/6GQ-4CQTLCXK-0
ark:/67375/6H6-3GMLKFXS-0
ark:/67375/6H6-6D7VXGZ6-5
ark:/67375/QT4-LMRSM4SM-1
ark:/67375/6H6-B67ZSQ4N-J



RECHERCHER

Présentation d'Istex Search

Filtres

Résultats de votre requête 1775 documents trouvés

RECHERCHER

Votre requête brute : [https://api.istex.fr/document?q=\(\"traduction automatique\" \"machine translation\"\) AND language:\(\"fre\" \"eng\"\) AND \(categories.sc...](https://api.istex.fr/document?q=(\)

afficher : 10 | trier par : pertinence & qualité

BOUQUET (8)

Rechercher

- springer-journals 869
- elsevier 582
- cambridge 170
- wiley 129
- emerald 10

APPLIQUER

LANGUE (2)

Rechercher

- anglais 1766
- français 9

Indicateurs sur votre corpus (1 775 documents)

Résumé 68 % 1212 doc.	PDF texte 99 % 1758 doc.	Texte nettoyé 61 % 1077 doc.	Langue de publication 99 % anglais : 1766 doc. (99,5 %) français : 9 doc. (0,5 %)
-----------------------------	--------------------------------	------------------------------------	--

Compatibilité avec les passerelles (1 775 documents)

LODEX (100 %) 1775 doc.	CORTEXT (100 %) 1775 doc.
GARGANTEXT (100 %) 1775 doc.	CLEANED 1077 doc.
	TELEFT 1596 doc.

TÉLÉCHARGER LE CORPUS (1 775)

Towards an analyzer (parser) in a machine translation system based

Reversible logic grammars for natural language parsing and

Présentation d'Istex Search

Tris

Votre requête brute : [https://api.istex.fr/document?q=\(\"traduction automatique\" \"machine translation\"\) AND language:\(\"fre\" \"eng\"\) AND \(categories.scienceMetr...](https://api.istex.fr/document?q=(\)

BOUQUET (8)

Rechercher

- springer-journals 869
- elsevier 582
- cambridge 170
- wiley 129
- emerald 10

APPLIQUER

LANGUE (2)

Rechercher

- anglais 1 766
- français 9

APPLIQUER

DATE DE PUBLICATION

RÉRIODE ANNÉE

afficher : 10 trier par : pertinence & qualité

pertinence & qualité
 aléatoire
 date de publication
 titre

Indicateurs sur votre requête (1 775 documents)

Résumé

68 %
1 212 doc.

Titre

99 %
1 758 doc.

Texte nettoyé

61 %
1 077 doc.

Langue de publication

99 %
anglais : 1 766 doc. (99,5 %)
français : 9 doc. (0,5 %)

Compatibilité avec les passerelles (1 775 documents)

LODEX (100 %)

JSON 1 775 doc.

CORTEX (100 %)

TEI 1 775 doc.
CLEANED 1 077 doc.
TEEFT 1 596 doc.

GARGANTEXT (100 %)

JSON 1 775 doc.

Towards an analyzer (parser) in a machine translation system based on ideas from expert systems

Computational Intelligence

Yusoff Zaharin

TÉLÉCHARGER LE CORPUS (1 775)

Reversible logic grammars for natural language parsing and generation

Computational Intelligence

Tomek Strzalkowski

The use of a single grammar in natural language parsing and generation is most desirable for a variety of reasons, including efficiency, perspicuity, integrity, robustness, and a certain amount of elegance. There

Présentation d'Istex Search

Indicateurs

Résultats de votre requête 1775 documents trouvés

Recherche: ("traduction automatique" "machine translation") AND language:(("fre" "eng") AND (categories.scienceMatrix:"artificial intelligence" OR categories.wos:"artificial intelligence" OR categories.scopus:"artificial intelligence"))

RECHERCHER

Requête brute: [https://api.istex.fr/document?q=\(\"traduction automatique\" \"machine translation\"\) AND language:\(\"fre\" \"eng\"\) AND \(categories.sc...](https://api.istex.fr/document?q=(\)

afficher: 10 | trier par: pertinence & qualité

BOUQUET (8)

Rechercher

- springer-journals 869
- elsevier 582
- cambridge 170
- wiley 129
- emerald 10

APPLIQUER

Indicateurs sur votre corpus (1 775 documents)

Résumé

68 %

1212 doc.

PDF texte

99 %

1758 doc.

Texte nettoyé

61 %

1077 doc.

Langue de publication

99 %

anglais: 1766 doc. (99,5 %)
français: 9 doc. (0,5 %)

Compatibilité avec les passerelles (1 775 documents)

LODEX (100 %)

JSON 1775 doc.

CORTEXT (100 %)

TEI 1775 doc.
CLEANED 1077 doc.
TEGFT 1696 doc.

GARGANTEXT (100 %)

TÉLÉCHARGER LE CORPUS (1 775)

Towards an analyzer (parser) in a machine translation system based

Reversible logic grammars for natural language parsing and

Présentation d'Istex Search

Sélection de tous les documents



Rechercher

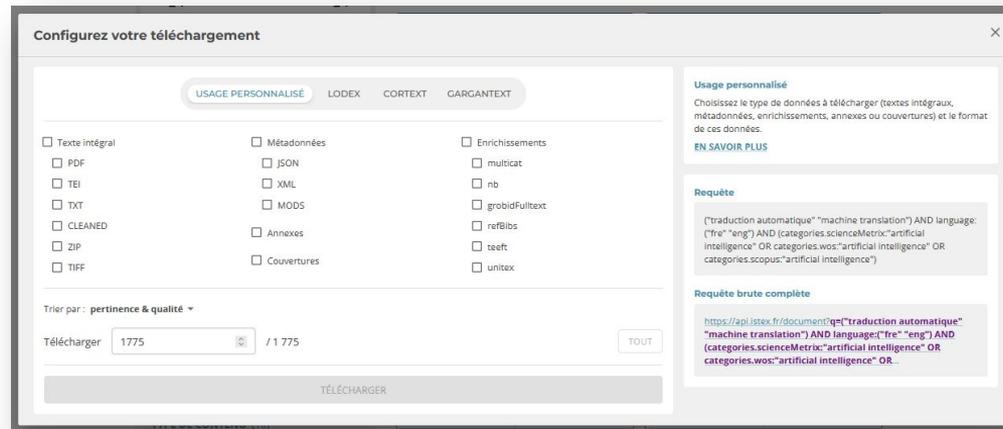
- research-article 1 008
- article 307
- other 160
- book-reviews 143
- editorial 38

Lighthill 17 years on
The Knowledge Engineering Review
 Martin Lam

TÉLÉCHARGER LE CORPUS (1 775)

A Pattern-Based Approach Using Compound Unit Recognition and Its Hybridization with Rule-Based...
Computational Intelligence
 Hanmin Jung, Sanghwa Yuh, Taewan Kim, Sangky...

This paper describes a compound unit (CU) recognizer as a pattern-based approach and its hybridization with rule-based translation. A compound unit is a combined...



Configurez votre téléchargement

USAGE PERSONNALISÉ | LODEX | CORTEXT | GARGANTEXT

<input type="checkbox"/> Texte intégral	<input type="checkbox"/> Métadonnées	<input type="checkbox"/> Enrichissements
<input type="checkbox"/> PDF	<input type="checkbox"/> JSON	<input type="checkbox"/> multicat
<input type="checkbox"/> TEI	<input type="checkbox"/> XML	<input type="checkbox"/> nb
<input type="checkbox"/> TXT	<input type="checkbox"/> MODS	<input type="checkbox"/> grobidFulltext
<input type="checkbox"/> CLEANED	<input type="checkbox"/> Annexes	<input type="checkbox"/> refBibls
<input type="checkbox"/> ZIP	<input type="checkbox"/> Couvertures	<input type="checkbox"/> teeft
<input type="checkbox"/> TIFF		<input type="checkbox"/> unitex

Trier par : pertinence & qualité ▼

Télécharger / 1 775

Usage personnalisé
 Choisissez le type de données à télécharger (textes intégraux, métadonnées, enrichissements, annexes ou couvertures) et le format de ces données.
[EN SAVOIR PLUS](#)

Requête

```
["traduction automatique" OR "machine translation"] AND language: ("fre" OR "eng") AND (categories.scienceMetric:"artificial intelligence" OR categories.wos:"artificial intelligence" OR categories.scopus:"artificial intelligence")
```

Requête brute complète

```
https://apl.istex.fr/Document?q=C%27traduction+automatique%27%27+machine+translation%27%27+AND+language%3A%27%27+eng%27+AND+%28categories.scienceMetric%3A%27artificial+intelligence%27+OR+categories.wos%3A%27artificial+intelligence%27+OR+categories.scopus%3A%27artificial+intelligence%27+OR
```

Présentation d'Istex Search

Sélection de documents

BOUQUET (8)

Rechercher

- springer-journals 869
- elsevier 582
- cambridge 170
- wiley 129
- emerald 10

APPLIQUER

LANGUE (2)

Rechercher

- anglais 1766
- français 9

APPLIQUER

DATE DE PUBLICATION

PÉRIODE ANNÉE

Année (1966 à 2016)

1966 à 2016

APPLIQUER

TYPE DE PUBLICATION (1)

Rechercher

trier par pertinence & qualité

Indicateurs sur votre corpus (1 775 documents)

Compatibilité avec les passerelles (1 775 documents)

Towards an analyzer (parser) in a machine translation system based on ideas from expert systems

Computational Intelligence

Yusoff Zaharin

GETA (Groupe d'études pour la traduction automatique) is a research team working basically in the domain of machine translation. GETA's software system, ARIANE-78, has been tested over various pairs of relatively unrelated languages. Being a product of the late seventies, the system misses out on some of...

DÉSÉLECTIONNER

Reversible logic grammars for natural language parsing and generation

Computational Intelligence

Tomek Strzalkowski

The use of a single grammar in natural language parsing and generation is most desirable for a variety of reasons, including efficiency, perspicuity, integrity, robustness, and a certain amount of elegance. These characteristics have been noted before by several researchers, but it was only recently that more serious...

DÉSÉLECTIONNER

METABANK: A KNOWLEDGE-BASED OF METAPHORIC LANGUAGE CONVENTIONS

Computational Intelligence

James H. Martin

The frequent and conventional use of nonliteral language has been a major stumbling block for natural language processing systems since the early machine translation efforts. Metaphor, metonymy, and indirect speech acts are among the most troublesome phenomena. Recent computational efforts addressing...

SÉLECTIONNER

A proposed expert system for word sense disambiguation: deductive ambiguity resolution based on dat...

Expert Systems

S.M. Fakhrahmad, M.H. Sadreddini, M. Zolghadri J...

One of the major issues in the process of machine translation is the problem of choosing the proper translation for a multi-sense word referred to as word sense disambiguation (WSD). Two commonly used approaches to this problem are statistical and example-based methods. In statistical methods, ambiguity...

SÉLECTIONNER

Lighthill 17 years on

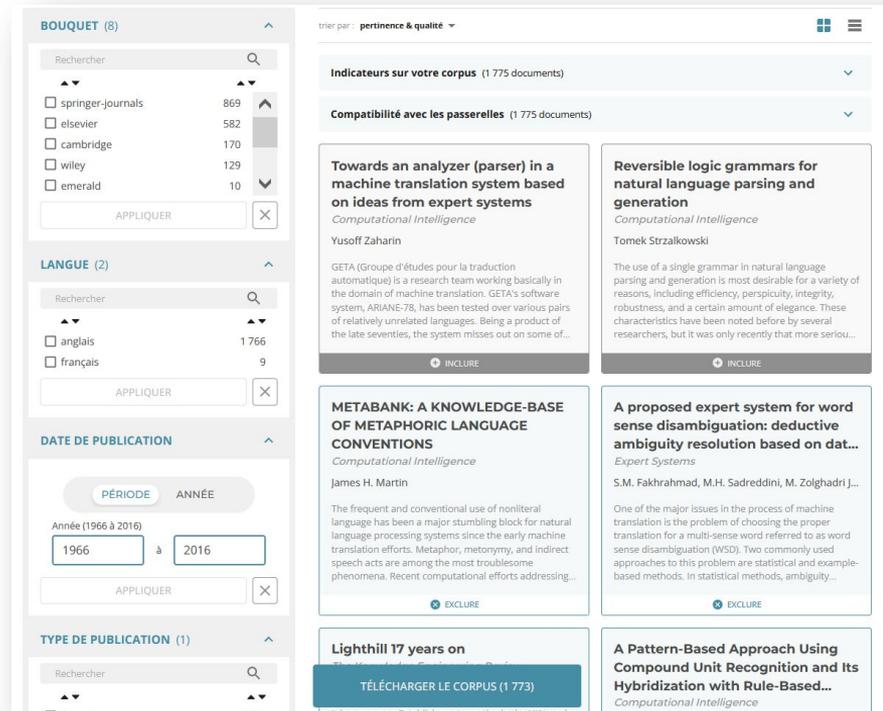
TÉLÉCHARGER LE CORPUS (2)

A Pattern-Based Approach Using Compound Unit Recognition and Its Hybridization with Rule-Based...

Computational Intelligence

Présentation d'Istex Search

Exclusion de documents



The screenshot displays the Istex Search interface with the following components:

- Left Sidebar (Filters):**
 - BOUQUET (8):** A list of publishers with checkboxes and counts:

<input type="checkbox"/> springer-journals	869
<input type="checkbox"/> elsevier	582
<input type="checkbox"/> cambridge	170
<input type="checkbox"/> wiley	129
<input type="checkbox"/> emerald	10
 - LANGUE (2):** A list of languages with checkboxes and counts:

<input type="checkbox"/> anglais	1 766
<input type="checkbox"/> français	9
 - DATE DE PUBLICATION:** A date range selector with 'PÉRIODE' and 'ANNÉE' tabs. The 'ANNÉE' tab is active, showing 'Année (1966 à 2016)' with input fields for '1966' and '2016'.
 - TYPE DE PUBLICATION (1):** A partially visible filter section.
- Main Content Area:**
 - Sort options: 'trier par pertinence & qualité'.
 - Summary indicators:
 - Indicateurs sur votre corpus (1 775 documents)
 - Compatibilité avec les passerelles (1 775 documents)
 - Document Cards (each with an 'INCLURE' or 'EXCLURE' button):
 - Card 1:** 'Towards an analyzer (parser) in a machine translation system based on ideas from expert systems'. Author: Yusoff Zaharin. Status: INCLURE.
 - Card 2:** 'Reversible logic grammars for natural language parsing and generation'. Author: Tomek Strzalkowski. Status: INCLURE.
 - Card 3:** 'METABANK: A KNOWLEDGE-BASE OF METAPHORIC LANGUAGE CONVENTIONS'. Author: James H. Martin. Status: EXCLURE.
 - Card 4:** 'A proposed expert system for word sense disambiguation: deductive ambiguity resolution based on dat...'. Author: S.M. Fakhrahmad, M.H. Sadreddini, M. Zolghadri J... Status: EXCLURE.
 - Card 5:** 'Lighthill 17 years on'. Status: EXCLURE.
 - Card 6:** 'A Pattern-Based Approach Using Compound Unit Recognition and Its Hybridization with Rule-Based...'. Status: EXCLURE.

Requête

Requête

memory OR metamnesy OR metamemory OR
mémoire OR métamnésie OR métamémoire

Résultats (21-10-2024) : 1 701 374 doc.

Explication de la requête

- Les mots sont recherchés dans tout le document (métadonnées, texte intégral, références bibliographiques, enrichissements)
- Insensibilité à la casse
- La syntaxe Lucene autorise 3 opérateurs booléens (AND, OR, NOT) et par défaut l'espace blanc équivaut à un OR

Requêtage

m?mor* mnesic metamne* m?tam?mor*
mémoire* mnési* mnémo* métamnési*

Résultats (21-10-2024) : 2 664 987 doc.

Explication de la requête

- Rechercher des variantes morphosyntaxiques et des dérivés des mots-clés grâce à la troncature (*)
- Mutualiser certains termes (é|e) grâce au joker (?)

Requêtage

ENFANCES
 FAMILLES
 GÉNÉRATIONS

Enfances Familles Génération

Revue interdisciplinaire sur la famille

40 | 2022

Familles au temps de la COVID-19

The COVID-19 Pandemic: Global Impact on Families

La pandémie de COVID-19 : quelles répercussions sur les familles

La pandemia de COVID-19: ¿qué impacto tiene en las familias?

Laurence Charton, Léoni Labrecque and Joseph Josy Lévesque

Mauss, M. 1923. « Essai sur le don. Forme et raison de l'échange dans les sociétés archaïques », *L'Année sociologique*, 1: 30-186.

McMillan, I. F., L. M. Armstrong et J. Langhinrichsen-Rohling. 2021. « Transitioning to parenthood during the pandemic: covid-19 related stressors and first-time expectant mothers' mental health », *Couple and Family Psychology: Research and Practice*, 10(3): 179-189.

McRae, C. S., N. C. Overall, A. M. E. Henderson, ... et V. T. Chang. 2021. « Parents' distress and poor parenting during a covid-19 lockdown: the buffering effects of partner support and cooperative coparenting », *Developmental Psychology*, 57(10): 1623-1632.

Meloche, K. 2022. *Les impacts des mesures sanitaires en contexte de la COVID-19 sur les personnes âgées vivant dans les centres d'hébergement de soins de longue durée au Canada* (mémoire), École de service social, Université d'Ottawa.

Requêtage



Afriques

Débats, méthodes et terrains

13 | 2022

Varia

New Studies of the Structure and Texts of the Abba Garima Ethiopian Gospels

Nouvelles études sur la structure et les textes des Évangiles de Garima

Sergey Kim

The study was financed by the project ANR EthioChrisProcess: Christianisation et interactions religieuses en Éthiopie (VIe-XIIIe s.), in 2019-2020, and IRIS Scripta-PSL. Histoire et pratiques de l'écrit, in 2020-2021 (<https://scripta.psl.eu/projets/lectures-liturgiques-et-usages-memoriels-des-manuscrits-des-evangiles-dabba-garima-ethiopie-vi-xvii-s/>). I warmly thank the project supervisors Anaïs Wion and Marie-Laure Derat for scientific advice and bibliographical help, as well as Alessandro Bausi for helping obtain reproductions of the Abba Garima Gospels and Nafisa Valieva for fruitful discussions. Special thanks go to Michael Gervers for giving permission to use his photographs of manuscripts and to Alexei Pentkovsky for consulting on liturgical matters. I am grateful to two anonymous reviewers who helped a lot to correct mistakes and elucidate the exposition.

Requêtage



Revue des mondes méditerranéens

152 | 2022

La presse (en) arabe publi

Sociohistoire d'*al-Yawm al-sābi'* panarabe en exil (1984-1991)

Sociohistory of al-Yawm al-sābi': a pan-Arab ma
 سابع « مجلة عربية في المنفى (1991-1984)

Aya Khalil

Romanciers, poètes, philosophes et historiens trouvent dans *al-Yawm al-sābi'* l'espace intellectuel de leur convergence, un lieu de médiation facilitateur de leurs échanges et de la circulation transnationale (à l'échelle du monde arabe) de leurs productions écrites. Nombreux sont ceux à y avoir tenu une rubrique pendant plusieurs mois ou années, l'une des plus mémorables étant celle du poète palestinien Mahmoud Darwich¹¹. Sa rubrique est d'ailleurs enrichie d'une correspondance littéraire qu'il entretient avec le poète palestinien Samih Al-Qasim, à partir du mois de mai 1986, et ce pendant deux années. Dans un registre lyrique, leurs échanges fraternels donnent à voir une intimité troublante qui remémore le pays natal et dit les déchirements de l'exil. L'événement littéraire que constitue cette relation épistolaire est de ceux qui contribuent de manière significative à la notoriété de la revue, du fait de l'important capital symbolique des poètes. Ramenée au contexte de la première intifada et aux négociations que conduisait Yasser Arafat pour la création d'un État palestinien, la correspondance entre M. Darwich et S. Al-Qasim participe efficacement à la légitimation des revendications palestiniennes.

Requêtage

```
title:(m?mor* mnesic metamne* m?tam?mor*  
mémoire* mnési* mnémo* métamnési*)
```

Résultats (21-10-2024) : 85 689 doc.

Explication de la requête

- Cibler le champ interrogé
- Les noms de champs sont introduit par :

Requêtage



L'Atelier du Centre de recherches historiques
Revue électronique du CRH
Les thèses du CRH | 2022

Déposer les armes, prendre la parole. La lutte armée d'extrême gauche en Italie (1969-2015) : narrations autobiographiques, représentations historiques, controverses mémorielles

Thèse soutenue le 29 novembre 2022

Laying Down the Guns, Taking up Writing. Left-Wing Armed Struggle in Italy (1969 - 2015): Autobiographical Narratives, Historical Representations, Memorial Controversies

Lorenzo De Sabbata

Requêtage

```
title:(m?mor* mnesic metamne* m?tam?mor*  
mémoire* mnési* mnémo* métamnési*) AND  
categories.wos.raw:("2 - neurosciences" "2 -  
psychology" "2 - clinical neurology" "2 -  
psychology, biological" "2 - psychiatry" "2 -  
psychology, clinical" "2 - geriatrics &  
gerontology" "2 - gerontology" "2 -  
neuroimaging" "2 - behavioral sciences" "2 -  
psychology, experimental")
```

Résultats (21-10-2024) : 20 726 doc.

Explication de la requête

- Cibler les catégories scientifiques interrogées grâce au champ categories.wos.raw

Requêtage

ON MEMORY.¹

BY JAMES ROSS, M.D., LL.D.

THE subject for discussion to-night is "Memory," and I presume that we are supposed to enquire into its nature, its limitations from other modes of consciousness, its laws of action, its connection with cerebral activity, and its dissolution by disease. But memory is so intertwined with every other form of mental activity, with the feelings which accompany instinctive and acquired movements, with sensations, perceptions and conceptions, with reasoning, from the simplest to the most abstract, and even with the emotions and the will, that it is simply impossible to deal with it satisfactorily in the few moments at my disposal to-night. To treat this subject with even a moderate degree of adequacy would involve the writing of a complete system of psychology, and consequently in the few remarks I have to offer I will presume largely upon the knowledge of psychology, which must be more or less common to the members of this Society. The laws of the association of ideas, for example, bear a most important relation to the acquirements of memory, but as I have nothing new to add to what is already known of these laws, it will be unnecessary for me to give formal expression to them here.

me to give formal expression to them here.

My *first* proposition with regard to memory is that it is a mode of consciousness, and consequently to speak of unconscious memory is a contradiction in terms. If a psychical act or an impression on the organism is wholly unperceived it cannot afterwards be recalled as a memory.

My *second* proposition is that our primary knowledge of memory is obtained by means of introspection. This knowledge is no doubt greatly extended by objective observation of the actions of other organisms, but my guarantee that anyone except myself possesses memory

¹ Read at a meeting of the Neurological Society in December, 1890.

36

ON MEMORY.

is an indirect conclusion from the observation of the exercise of the faculty in my own mind. I may also say that memory is an undecomposable mode of consciousness; in other words it cannot be analysed into elements which do not presuppose the existence of that which has to be explained. Now our primary knowledge of memory being subjective, and the faculty being an elementary and primary mode of consciousness, the term memory cannot be correctly employed in the explanation of complex objective phenomena. It has been said, for example, that the cicatrix left by an old wound constitutes a memory of the original injury, or that the persistence of this cicatrix shows that the tissue which enters into its formation has a memory of reproducing its like. In this connection we have heard of such an expression as "memory in disease." It might as

Requêtage

```
title:(m?mor* mnesic metamne* m?tam?mor*  
mémoire* mnési* mnémo* métamnési*) AND  
categories.wos.raw:("2 - neurosciences" "2 -  
psychology" "2 - clinical neurology" "2 -  
psychology, biological" "2 - psychiatry" "2 -  
psychology, clinical" "2 - geriatrics &  
gerontology" "2 - gerontology" "2 -  
neuroimaging" "2 - behavioral sciences" "2 -  
psychology, experimental") AND  
publicationDate:[2000 TO *]
```

Résultats (21-10-2024) : 13 158 doc.

Explication de la requête

- Limiter la recherche aux 20 dernières années grâce au champ `publicationDate`
- Utiliser un intervalle `[2000 TO *]`

A dark gray circular icon containing a white downward-pointing arrow and a horizontal bar below it, representing a download function.

Téléchargement

Téléchargement

```
title:(m?mor* mnesic metamne* m?tam?mor*  
mémoire* mnési* mnémo* métamnési*) AND  
categories.wos.raw:("2 - neurosciences" "2 -  
psychology" "2 - clinical neurology" "2 -  
psychology, biological" "2 - psychiatry" "2 -  
psychology, clinical" "2 - geriatrics &  
gerontology" "2 - gerontology" "2 -  
neuroimaging" "2 - behavioral sciences" "2 -  
psychology, experimental") AND  
publicationDate:[2000 TO *]
```

Téléchargement

Configurez votre téléchargement ✕

USAGE PERSONNALISÉ
LODEX
CORTEXT
GARGANTEXT

Texte intégral

PDF

TEI

TXT

CLEANED

ZIP

TIFF

Métadonnées

JSON

XML

MODS

Annexes

Couvertures

Enrichissements

multicat

nb

grobidFulltext

refBibs

teeft

unitex

Trier par : **pertinence & qualité** ▼

Télécharger

13 158

/ 13 158

TOUT

Format de l'archive : **ZIP** ▼ Compression : **moyenne** ▼

TÉLÉCHARGER

Lodex

Application web open-source dédiée aux données structurées qui permet de visualiser et d'enrichir ses données puis de les transformer en site web.

EN SAVOIR PLUS

Requête

```
title:(m?mor* mnesic metamne* m?tam?mor* mémoire* mnési* mnémo* métamnési*) AND categories.wos.raw:(("2 - neurosciences" "2 - psychology" "2 - clinical neurology" "2 - psychology, biological" "2 - psychiatry" "2 - psychology, clinical" "2 - geriatrics &...
```

Requête brute complète

```
https://api.istex.fr/document?q=title:(m?mor* mnesic metamne* m?tam?mor* mémoire* mnési* mnémo* métamnési*) AND categories.wos.raw:(("2 - neurosciences" "2...
```



Exploration

Exploration

Linked Open Data EXperiment

Application Open Source permettant de transformer un jeu de données en site web

[Site](#)

[Documentation](#)

[Tutoriels](#)

[GitHub](#)





Présentation de Lodex

Présentation de Lodex

Transformer

Ses données (CSV, TXT, JSON) en site web



Attribuer

Des identifiants pérennes (ARK)



Exporter

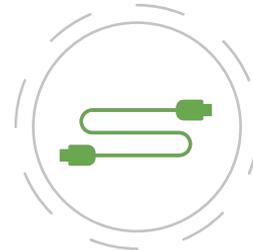
Ses données dans plusieurs formats



Explorer
Ses données à travers des graphiques dynamiques

Enrichir
Ses données avec des web-services

Aligner
Ses données avec des référentiels



Présentation de Lodex



Journal of Cultural Economics 26: 167–184, 2002.
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Maledizione! or the Perilous Prospects of Beethoven's Patrons

HILDA BAUMOL and WILLIAM BAUMOL
Playa Azul 1, Apt. 910, La Jolla, PR 09073, U.S.A.

Abstract. It is tempting to conjecture that the Viennese aristocrats who provided financial support to Beethoven were afflicted by a curse. At the very least, their tales demonstrate the risks that beset even the most privileged members of their society at the onset of the nineteenth century. Here we recount the lot of six of the composer's most readily recognized supporters – Archduke Rudolph, the Princes Kinsky, Lichnowsky and Lobkowitz, Count (later prince) Razumovsky and Count Waldstein. Two of them suffered serious accidental occurrences (Kinsky's fatal fall from a horse and the Razumovsky colligation, about which more will be said presently), the Archduke was apparently forced by arthritis to give up his beloved musical activity and five of the six (as well as other Beethoven patrons) underwent severe financial reverses, at least one of them, Waldstein, dying in poverty. In good part, these misfortunes were attributable to a combination of bad luck and the behavioral propensities of the individuals in question. But behind this story there are also the economic circumstances of the Habsburg Empire at the beginning of the nineteenth century, which constituted a threat to the wealth of the nobility in general. This paper offers some material on this more general subject as well as its biographical observations on some of Beethoven's most significant patrons.¹

Key words: aristocrats' wealth, artists' finances, wartime inflation

1. Preliminary: The Difficult Relationships between Beethoven and his Patrons

The most potent curse besetting a supporter of the composer was Beethoven himself. It is, of course, well known that getting along with Beethoven was hardly an easy task. Evidently few escaped his wrath, including his long suffering brothers, his sister-in-law, his publishers and his patron.

This eccentric, brooding and vindictive man evidently considered his subventions to have a humiliating taint, and he oscillated between outrage at what he conceived to be the niggardliness of his patrons and the mortification entailed in acceptance of their charity. His furor could be roused by a suggestion that he

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The European
 Society for Human Genetics

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The stories are well known, and only an illustrative few will be recapitulated briefly. Perhaps most frequently described is the composer's treatment of Lichnowsky. There is the incident in 1806 when Beethoven was asked by the Prince to perform for a group of French officers. He not only refused, but threw into a tantrum

Présentation de Lodex



Métadonnées

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Transformation

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Modèle

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Site web

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**Export,
consultation,
partage**

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Présentation de Lodex

Import de données

LODEX DONNÉES PUBLIER

Données Enrichissements Précalculs

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- CSV - avec des points virgules
- CSV - avec des virgules
- CSV - détection automatique du séparateur
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- JSON - avec un tableau
- JSON - compatible API Conditor
- JSON - compatible API DataCite
- JSON - compatible API Inspire_HEP
- JSON - compatible API ISTEM
- JSON - compatible API Lodex
- JSON - compatible API OpenAlex
- JSON - compatible API Wordpress
- JSON - format text JSON Lines
- JSON - import Lodex
- RDF - triplets RDF en N-Quads
- TAR.GZ - fichier archive contenant des fichiers JSON
- TSV - avec des tabulations
- TSV - avec des tabulations et des guillemets
- TSV - du Web Of Science
- TXT - description de corpus
- TXT - liste d'identifiants DOI
- TXT - Liste de références BibTeX

Présentation de Lodex

Transformation

LODEX DONNÉES AFFICHAGE PUBLIER

Données Enrichissements Précalculs

COLONNES FILTRES DENSITÉ AJOUTER

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"ark:/67375/6H6-SRQ"	"Brain oscillation and	["Li-Yu Huang","Hsiao	["["Institute of Educatio	"International Journal		"0167-8760"	"90"	"2"	"172"
"ark:/67375/6H6-2X5"	"Brain imaging correle	["Elisabeth A. Wilde",]	["["Physical Medicine &	"International Journal		"0167-8760"	"82"	"1"	"86"
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"ark:/67375/6H6-RP5"	"Hormonal contracept	["Shawn E. Nielsen","]	["["University of Califor	"Biological Psycholog		"0301-0511"	"92"	"2"	"257"

53 colonnes chargées 0 colonne enrichie Lignes par page 25 1-25 of 13158

Présentation de Lodex

Modèle

The screenshot shows the 'Modèle' configuration page in the Lodex application. The interface features a green header bar with the 'LODEX' logo on the left, navigation tabs for 'DONNÉES' and 'AFFICHAGE', and a 'PUBLIER' button on the right. A dark sidebar on the left contains navigation links: 'Page d'accueil', 'Ressource principale', 'Sous-ressources', 'Graphiques', and 'Recherche et facettes'. The main content area is titled 'PAGE' and 'DONNÉES PUBLIÉES'. It contains two dropdown menus labeled 'DATASET - Titre' and 'DATASET - Description'. A green button with a plus sign and the text '+ NOUVEAU CHAMP' is positioned on the right. Below the dropdowns, a central instruction reads 'Configurez votre affichage en cliquant sur le bouton « Nouveau champ »'. In the bottom right corner, a grey box displays '0 champ ajouté'.

Présentation de Lodox

Modèle

LODEX DONNÉES AFFICHAGE PUBLIER

Page d'accueil
Ressource principale
Sous-ressources
Graphiques
Recherche et facettes

PAGE

DATASET - Titre DATASET - Description

+ Importer un modèle
 Exporter le modèle
 Effacer le modèle

cm-enssib2024-beethoven-v0
 Modèle
 Avancé
 Configuration
 Déconnexion

Configurez votre affichage en cliquant sur le bouton « Nouveau champ »

0 champ ajouté

Présentation de Lodex

Modèle



LODEX DONNÉES AFFICHAGE PUBLIER

Page d'accueil
Ressource principale
Sous-ressources
Graphiques
Recherche et facettes

PAGE DONNÉES PUBLIÉES

DATASET - Titre [qMKk] DATASET - Description + NOUVEAU CHAMP

[qMKk]

[aNnc] [mzCk]

Version [UEbp]

Présentation de LodeX

Accéder au site

The screenshot displays the LODEX web interface. At the top, a green navigation bar contains the logo 'LODEX', a menu icon, and tabs for 'DONNÉES' and 'AFFICHAGE'. A 'DÉPUBLIER' button is located on the right. A dark sidebar on the left lists navigation options: 'Page d'accueil', 'Ressource principale', 'Sous-ressources', 'Graphiques', and 'Recherche et facettes'. The main content area is titled 'PAGE' and 'DONNÉES PUBLIÉES'. It features two dropdown menus: 'DATASET - Titre' with the value '[qMKk]' and 'DATASET - Description'. A green '+ NOUVEAU CHAMP' button is positioned to the right. Below these are three large text input fields, each with a grid icon on the left and a value in pink: the first contains '[qMKk]', the second contains '[aNnc]', and the third contains 'Version [UEbp]'.

Présentation de Lodex

Enrichissements

☰ **LODEX**

👁️ DEPUBLIER

📊 Données
 📄 Enrichissements
 🔗 Précalculs
 🔒 Ressources cachées

☰ DONNÉES
📄 AFFICHAGE

Mode avancé

📄

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Sous-chemin ▼

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SAUVEGARDER

📄 Aperçu de la valeur*

Aucune donnée

* valeur de la colonne source ou de la règle avancée

Istex TDM

74



Exploration du corpus V0

**2 phases
&
2 outils**

1

**Pertinence
scientifique**

Istex Search : construction et
affinement requête,
extraction corpus v0

Corpus V0

Lodex : examen de la pertinence
du corpus grâce aux
datavisualisations & aux facettes

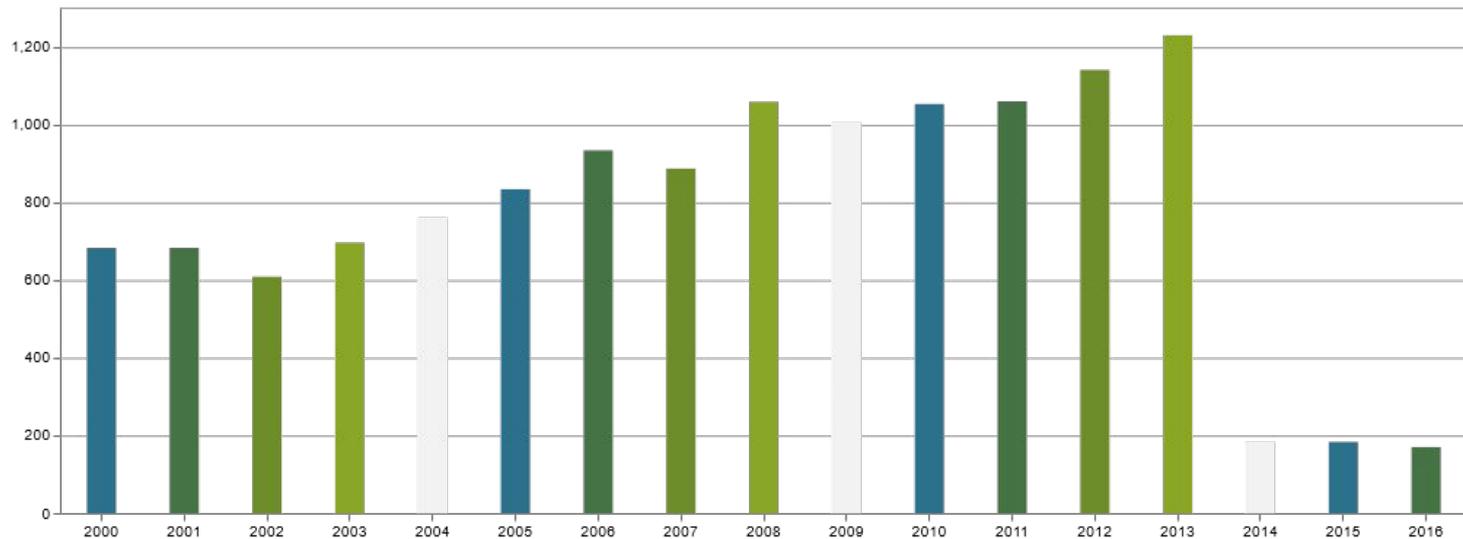
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**Exploitabilité
TDM**

Istex Search : examen des
indicateurs techniques pertinents

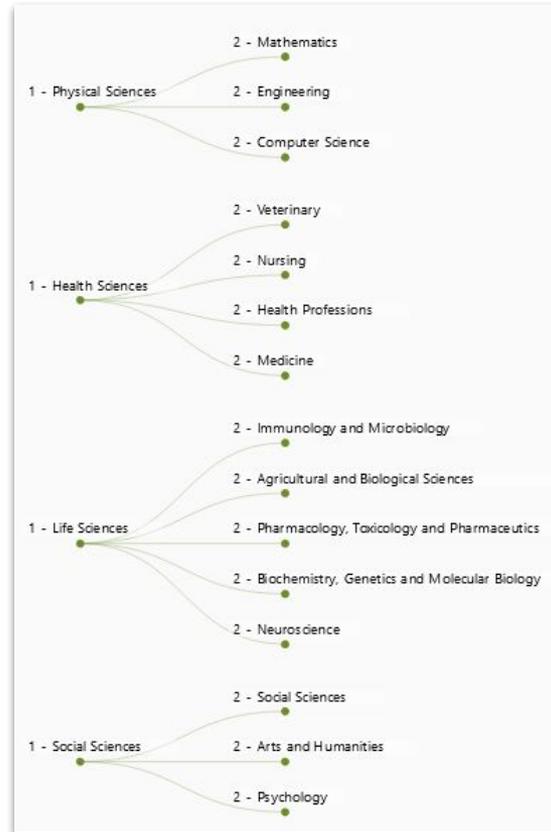
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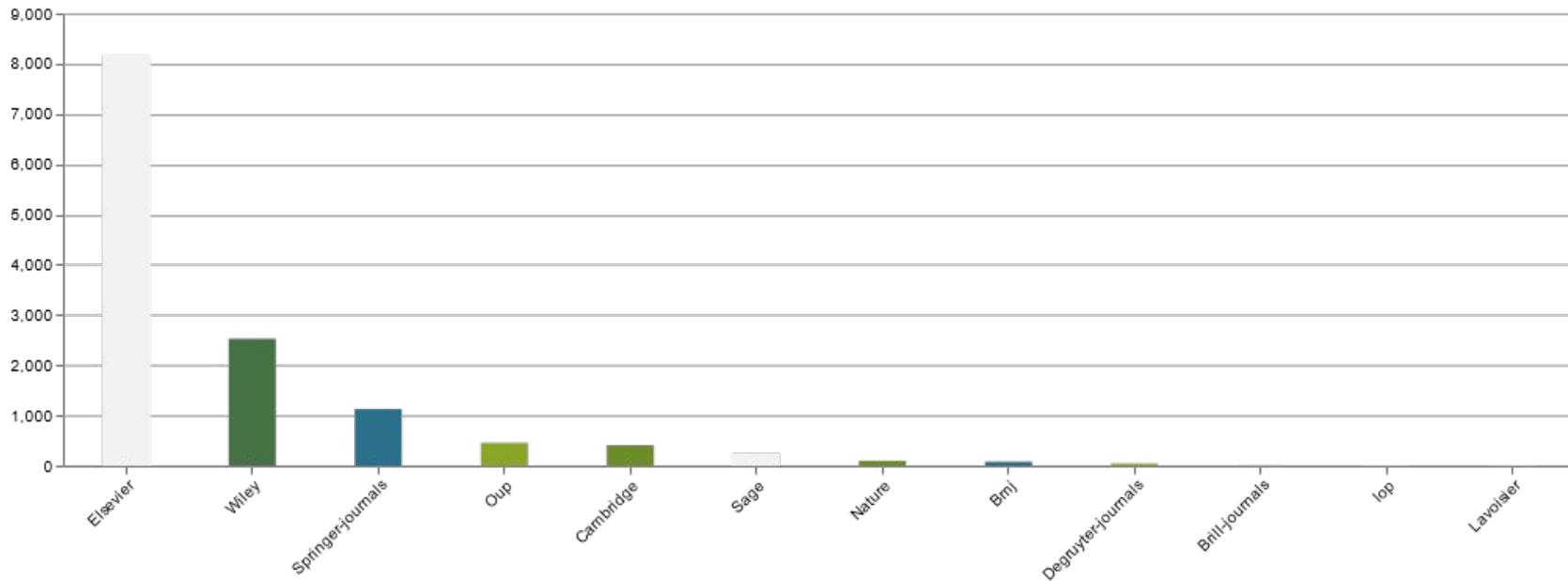
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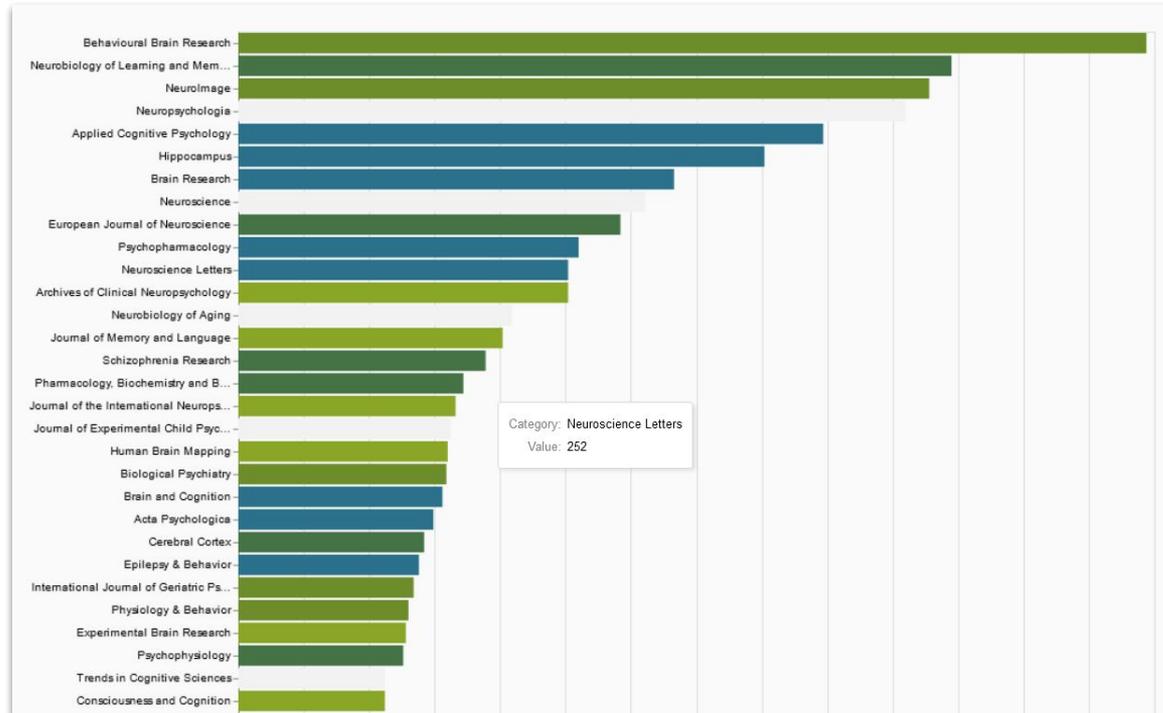
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Editeurs



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Revues (346)



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Revue d'éthologie

Revue / Monographie (3) ^

exclure

animal|

VALEUR COMPTER ↓

TOUT COCHER

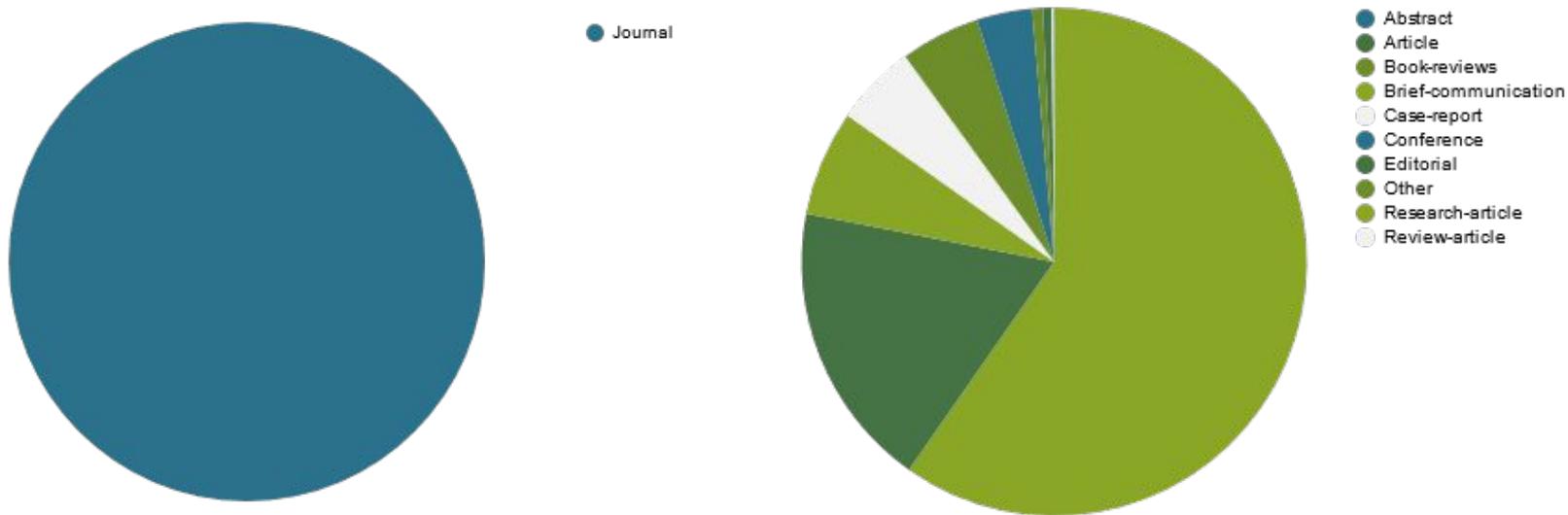
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<input type="checkbox"/> Animal Behaviour	43
<input type="checkbox"/> Applied Animal Behaviour Science	7

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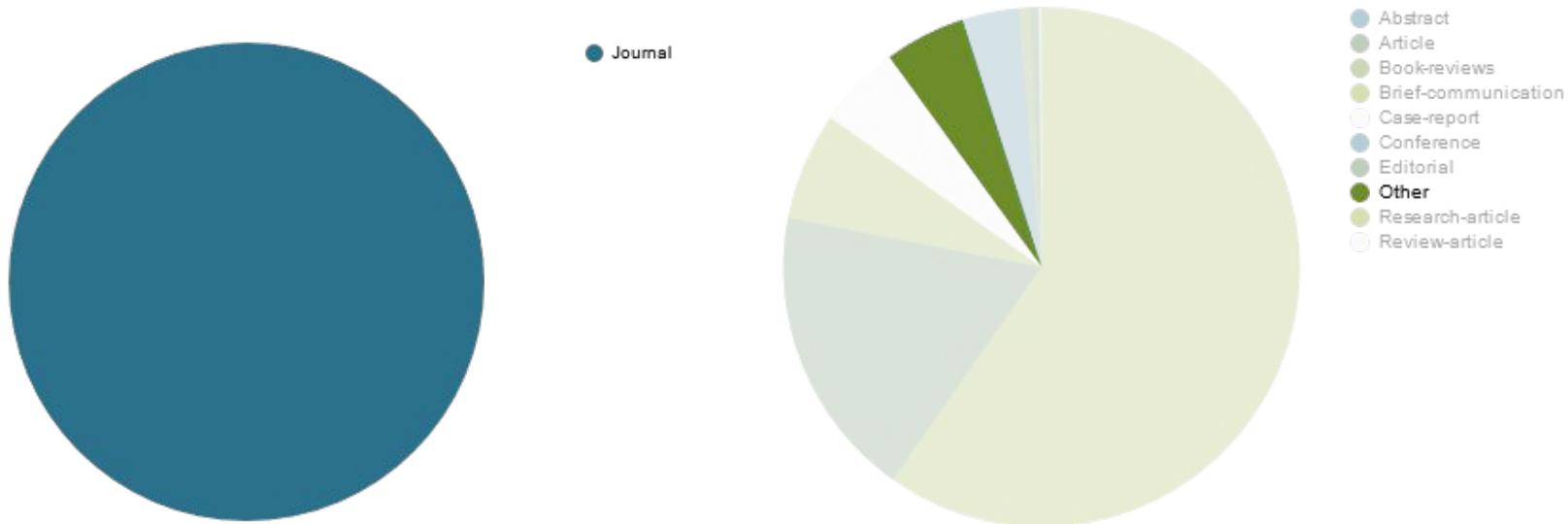
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Types de publication et de document



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Types de publication et de document



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Types de publication et de document

Journal of the International Neuropsychological Society (2000), 6, 376–377.
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In Memoriam

Laird S. Cermak, Ph.D.

June 24, 1942–November 4, 1999

Laird Cermak was to become President of INS in February 2000, taking over the responsibilities for leading a scientific society he loved and served for over a quarter of a century. In many ways he embodied the very values the INS has always hoped to promote in excellence of scholarship, keen interest in behavioral neurosciences, and an easy and reflexive interdisciplinary citizenship. His name has been synonymous with a distinctive line of intellectual inquiry in amnesia and memory mechanisms for as long as I have been in neuropsychology myself.

It now can be told that I was alerted to Laird's considerable intellectual talent even as a graduate student. I recall that my major Professor, Phillip Rennick, showed me the initial application for research support he was reviewing that Laird had made to the Veterans Administration in the early 1970s. "Read this really excellent grant, Ken," he said, "because this guy is really going to do some significant work." Given that Phil tended to view proposals as having fatal flaws usually no later than the literature review, I was impressed and learned with awe what moved Phil. Apparently many others have joined in Phil's appraisal and appreciation of a career of scholarly promise fulfilled. I know that I did from that day. Laird took a central faculty role in one of the most protean research groups in the history of neuropsychology.



À la mémoire de Betty Havens 9 octobre 1936 au 1^{er} mars 2005

Marcia Finlayson,¹ Neena Chappell,² and Lynn McDonald³

- 1 Université de l'Illinois à Chicago
- 2 Université de Victoria
- 3 Université de Toronto



lège qui nous a été offert de partager une partie de son

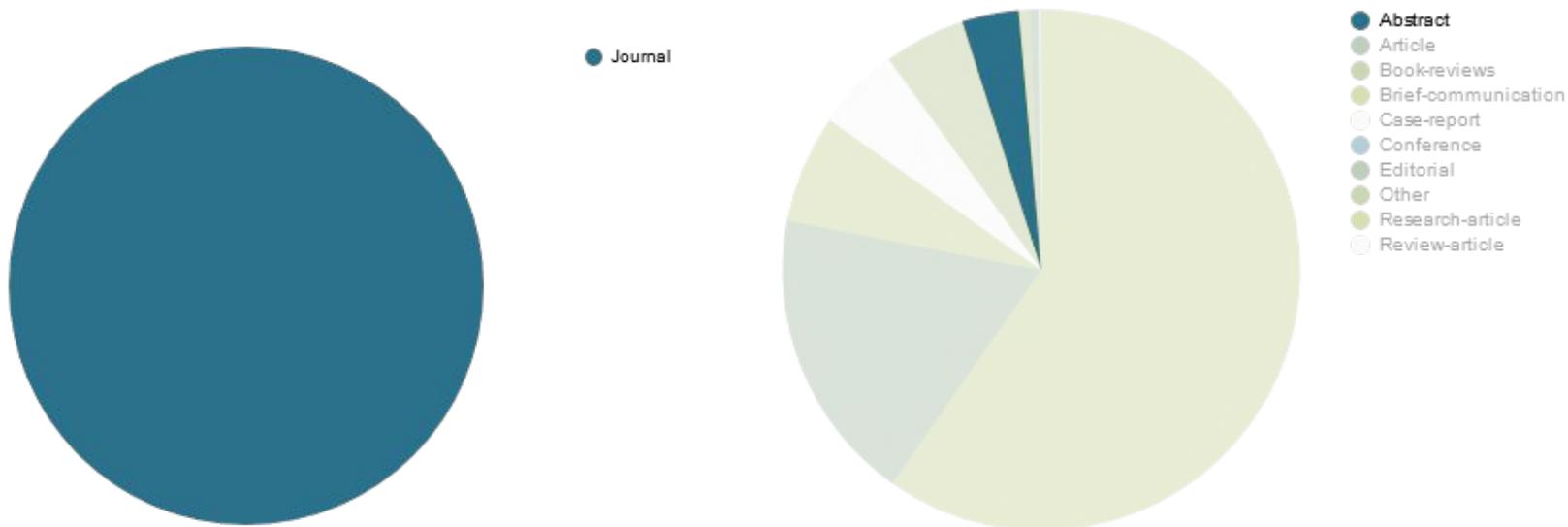
Lorsque Betty Havens est décédée, le 1^{er} mars au matin, la nouvelle s'est propagée rapidement que notre chère amie, collègue et mentor, celle qui nous avait toujours soutenus, était partie. Nombreux sont ceux à qui manqueront son rire chaleureux, ses répliques amusantes et ses petits clin d'œil. Nous sommes reconnaissants du privi-

lège qui nous a été offert de partager une partie de son Nous connaissons son engagement et son empressement constant à lutter pour les aînés et la gérontologie. Son intérêt envers la gérontologie était indiscutable, même à la toute fin, puisqu'elle lisait *The Gerontologist* dans son lit aux soins palliatifs.

J'aimerais parler d'elle d'un point de vue plus personnel. Bien qu'elle n'était pas très démonstrative, elle soutenait sans aucune réserve les personnes en lesquelles elle croyait. Je me souviens très clairement de moments, pendant les premières années de ma carrière, où elle est venue me prendre par la main, lors de réunions du GSA, de l'ISA ou d'autres occasions, pour me présenter à Bernice Neugarten, à Matilda White Riley et à de nombreux autres grands spécialistes de la gérontologie: «Nous avons finalement l'un

Exploration du corpus V0

Types de publication et de document



Exploration du corpus 10

Types de publication et de document

Proceedings of the NASS 23rd Annual Meeting / The Spine Journal 8 (2008) 15-1915

1495

FDA DEVICE/DRUG STATUS: This abstract does not discuss or include any applicable devices or drugs.

doi:10.1016/j.spinee.2008.06.343

P99. The Association Between Cervical Neck Pain and Health-related Quality of Life: A Cross-sectional Analysis
Manu Rezaei, DC, MHC¹, Pierre Côté, DC, PhD², J. David Cassidy, DC, PhD, DrMed³, Linda Carroll, PhD⁴, Centre of Research Expertise in Improved Disability Outcomes (CREIDO), University Health Network, Department of Public Health Sciences, University of Toronto, Toronto, Ontario, Canada; ²Department of Public Health Sciences, School of Public Health, University of Alberta; ³Alberta Centre for Injury Prevention and Research, University of Alberta, Edmonton, Alberta, Canada

BACKGROUND CONTEXT: The literature suggests that physical and mental health related quality of life (HRQL) are worse for individuals with neck pain compared to those without neck pain. However, the strength of the association varies across studies. Discrepancies in study results may be attributed to the use of different definitions and measures of neck pain and differences in the selection of covariates used as control variables in the analyses.

PURPOSE: To examine the association between grades of neck pain severity and health-related quality of life.

STUDY DESIGN/SETTING: Population-based, cross-sectional mailed survey.

PATIENT SAMPLE: We used data from the Saskatchewan Health and Back Pain Survey, a population-based cohort study of the distribution and determinants of spinal disorders in Saskatchewan, Canada. Saskatchewan is a Canadian province of approximately one million inhabitants with a universal health care system. The survey targeted Saskatchewan residents aged 20-69 years who held a valid Saskatchewan Health Services card on August 31, 1995.

OUTCOME MEASURES: The Medical Outcomes Survey SF-36 standard English-Canadian version 1.0 was used to measure self-perceived general health status. This analysis used the physical component summary (PCS) and mental component summary (MCS) measures of the SF-36.

METHODS: The Saskatchewan Health and Back Pain Survey was mailed to 2184 randomly selected Saskatchewan adults and 1,131 returned the questionnaire. Neck pain was measured with the Chronic Pain Questionnaire and categorized into four increasing grades of severity. We measured HRQL with the SF-36 Health Survey and computed the physical and mental component summary scores. We built separate multiple linear regression models to examine the association between grades of neck pain and physical and mental summary scores while controlling for sociodemographic, general health and comorbidity covariates.

RESULTS: Our crude analysis suggests a gradient exists between the severity of grades and HRQL. Compared to individuals without neck pain, those with Neck-III-IV neck pain had significantly lower physical (mean difference = -13.0(10), 95% CI = -16.4, -11.3) and mental (mean difference = -10.8(10), 95% CI = -13.6, -8.1) HRQL. Controlling for covariates greatly reduced the strength of association between neck pain and physical HRQL and accounted for the observed association between neck pain and mental HRQL.

P100. Shape Memory Metal Rods Tested in a Porcine Model: Single Rod Constructs Result in Greater Deformity at One Week
Peter Newton, MD¹, Bart Yazawa, MD², Christine Farnsworth, MS¹, Vijayarath Upasani, MD¹, Reid Charters, BA¹, Srang Hwan Yoon, MD, PhD¹, Paul Furlan, MS¹, Rady Children's Hospital and Health Center, San Diego, CA, USA; ²University of California, San Diego, San Diego, CA, USA; ³DePuy Spine, Le Locle, Switzerland

BACKGROUND CONTEXT: In the surgical treatment of spinal deformity, shape memory metal (NiTi) rods can theoretically be approximated to a curved spine in their malleable, cooled state, then achieve spinal deformity correction as they return to their original shape with warming (straight in the coronal plane with a pre-contoured sagittal profile). A square cross-sectional rod profile may additionally allow deformity correction in the transverse plane when engaged in squared head pedicle screws. Single rod constructs, thought to be less constrained, may be able to achieve a greater deformity correction (clinically) (creation (experimentally), while dual rod constructs are likely more stable with less risk of implant failure.

PURPOSE: The purpose of this study was to determine the clinical feasibility and potential effectiveness of using single vs dual nitinol rod constructs by creating spinal deformity in an in vivo animal model.

STUDY DESIGN/SETTING: In vivo animal study.

OUTCOME MEASURES: Deformity creation between single and dual rod groups.

METHODS: 10 mature Yucatan mini-pigs were instrumented with single (n=5) or dual (n=5) nitinol rod constructs (Figure 1A). The rods were instrumented straight at -15°C and allowed to return to their pre-contoured 90° coronal profile (twice the normal porcine lateral bending range of motion) after being warmed with a 41°C saline solution. Serial radiographs were obtained to follow deformity creation and compared between single and dual rod groups (p<0.05).

RESULTS: Scoliotic deformity creation was observed in both single and dual rod groups during the surgery (Figure 1B) and was not significantly different at the completion of the procedure (28° ± 4° vs 20° ± 4°, p=0.95). One week following rod placement, however, coronal deformity in the single rod group progressed to 42° ± 21°, which was significantly more than the dual rod group (33° ± 3°, p=0.002).

CONCLUSIONS: Pre-contoured (90° coronal curve), square-cross section shape memory metal rods successfully created coronal spinal deformity in all 10 animals. The less constrained single rod constructs resulted in greater deformity creation compared to dual rod constructs, at one-week post-op, with no evidence of implant failure/crowd pullout in either group. Nitinol rods may be useful in achieving spinal deformity correction that occurs both acutely during surgery and increases post-operatively over time.

Figure 1: A) Single and dual rod constructs. B) Coronal deformity for both groups (average ± SD) indicates maximum difference between groups. (p<0.005)



710 CIRCADIAN RHYTHM DISTURBANCES IN ADVANCED DEMENTIA: DIAGNOSTIC SPECIFICITY

David G. Harper, McLean Hosp, Harvard Med Sch, Belmont, MA; Edward G. Sipes, Rhode Island Hosp, Brown Univ Sch of Medicine, Providence, RI; Ann C. Miller, E. V. Rigney Mem Veterans Hosp, B. U. Sch of Medicine, Boston, MA; Andrew Salaf, McLean Hosp, Harvard Med Sch, Belmont, MA; Patricia C. Hasler, Bethel E. Goldberg, McLean Hosp, Belmont, MA; Ludovic Valder, E. V. Rigney Mem Veterans Hosp, B. U. Sch of Medicine, Bedford, MA

Many of the nosographic symptoms of dementia (sleep disturbance, sundowning) may have their root in abnormalities of the circadian timing system. Previous studies have performed on this population, carrying a clinical diagnosis of probable Alzheimer's dementia, have shown that the phase of the circadian rhythm of temperature and activity is significantly delayed and that the amplitude is significantly reduced. We have since collected another sample and made pathophysiologically confirmed diagnoses on 38 patients who were enrolled in our original study to compare with 8 healthy controls. Patients were categorized for presence of Alzheimer's disease (AD), frontotemporal degeneration (FTD), including Pick's disease and corticobasal ganglionic degeneration, and dementia with Lewy Bodies (DLB). Twenty-seven patients were given a final diagnosis of AD, 10 were given a final diagnosis of FTD and 1 was diagnosed with DLB. In addition, 4 AD patients were also diagnosed with DLB and 1 FTD patient received this diagnosis. Patients with dual diagnosis or an exclusive DLB diagnosis were excluded from further analysis. Patients with AD had a significantly delayed phase of their temperature and activity rhythms compared to controls, whereas patients with FTD had a temperature rhythm which was similar to controls but an activity rhythm characterized by shorter phase advance and lowered goodness-of-fit. These results indicate that the rest-activity rhythm disturbances seen in AD and FTD may have a neurobiological underpinning. The origin and expression of these disturbances however appear to be distinct between the two diagnoses.

Phase time of activity and temperature and activity goodness-of-fit

Diagnosis	T phase (hours)	Act phase (hours)	Goodness-of-fit
Controls	15.2 ± 0.7	13.6 ± 1.2	0.52 ± 0.04
AD	17.8 ± 0.4	15.9 ± 0.8	0.52 ± 0.03
FTD	15.9 ± 0.7	10.4 ± 1.2	0.38 ± 0.04

All values reported as means ± SE.

711 NEUROCHEMICAL AND BEHAVIORAL ALTERATIONS INDUCED IN MICE BY CENTRALLY ADMINISTERED CARBOXYTERMINAL FRAGMENT OF B-Amyloid PRECURSOR PROTEIN.

Choi-Hyoung Park, Se Heon Choi, Yun-Han Suk, Dept of Pharmacol., Coll of Med, Seoul National Univ., Seoul, South Korea

We have previously shown that the C-terminal fragment (CT) of β -amyloid precursor protein (APP) induced neurotoxicity in vitro and in vivo experiments. However, it is unclear whether neurochemical changes and learning and memory impairment accompany CT. To elucidate the in vivo neurotoxicity of CT, we examined behavioral changes using Morris water maze T-test following a single intracerebroventricular injection of recombinant 105-250 mouse APP, 3AC and 105-250 peptide. We also quantified the changes in acetylcholine (ACh) level of cortex and hippocampus. Mice that received CT105 revealed significant decrease in ACh level in cortex and hippocampus compared with saline treated group. Spatial learning and memory impairment was significantly by CT 105 in dose-dependent manner. These results suggest that learning and memory impairment induced by centrally administered CT 105 in vivo may be related to neurochemical alteration.

712 EFFECTS OF CONTROL ON COGNITION AND IQ-PEF IN HEALTHY YOUNG AND OLD SUBJECTS

Oliver J. Wolf, Antonio Coric, Enad Kozak, Elvira I. Thoenig, Susan De Santis, Moni F. de Leon, NYU Sch of Medicine, New York, NY

Executive control levels are elevated in older patients with Alzheimer's disease (AD). Previous studies suggest that in young subjects, removal of self-imposed restrictions in

task performance in the present placebo controlled double blind crossover study. Subjects received 0.5 mg/kg cortisol or placebo. Cognitive tests were administered before and two to four points (15 min, and 150 min after cortisol administration). Cortisol impaired the recall of a word list (declarative memory) learned before the treatment in both age groups. Digit span (a measure of short-term memory) was impaired in young but not old subjects. The present results suggest that removal from declarative memory is especially sensitive to the degenerative effects of cortisol and that this effect occurs in both young and old subjects. Digit span is a measure of short-term memory, which is at least in part mediated by the frontal lobes is impaired by cortisol only in young subjects. Our findings suggest that during healthy aging the hippocampus, but not the frontal lobe, retains its sensitivity to the effects of cortisol. The cognitive findings predict that a cortisol challenge in young subjects during FTD-PEF should result in a reduction in hippocampal and frontal glucose metabolism. The data from the PET experiment in younger subjects, which is currently in progress, will be presented at the meeting. Together these studies highlight the importance of endocrine and behavioral changes in the assessment of functional brain aging.

713 ENERGY PROCESSES OF THE HUMAN BRAIN IN NORMAL AGING AND DEMENTIA OF ALZHEIMER'S TYPE

Vlad Fedorin, Olga, Natalia Vladimirovna Ponomareva, Boris Reznachov Institute, Moscow, Russia; Olga Alexandrovna Pordina, Research Ctr of Mental Health, Moscow, Russia; Oleg Nikolai Odin, Research Ctr of Mental Health, Tallin, Estonia

In normal aging energy expenditures and energy resources of the brain are decreased in normal and pathological aging. The automatization of energy processes in the brain is provided using the mechanisms similar to that in stress reactions. The aim of present study is the investigation of influence of stress-like mechanisms of getting energy on process of normal aging and the development of dementia of Alzheimer's type (DAT). In healthy subjects and patients with DAT electrophysiological and bio-chemical investigations were carried out. The electrophysiological examination included the registration of visual evoked potentials to the flash and DC potentials as characteristic of brain oxidizer processes. The control level in elderly subjects and the level of lipid peroxidation were evaluated. There is significant correlation between the control level in prefrontal lobe and level of DC potentials in elderly subjects. In normal aging energy DC potential correlates with the subclinical exhibition of psychopathological symptoms. In DAT patients the significant increase of DC potentials and less remarkable increase of cortisol level are observed. The increase of the brain energy expenditures has a good correlation with the increase of the lipid peroxidation, the disappearance of late components of visual evoked potentials and other changes of electrophysiological characteristics, which accompany the progression of the disease. The subclinical level of automatization of energy processes are potential for normal and pathological aging and their regulation is feasible target for prevention and therapies of DAT.

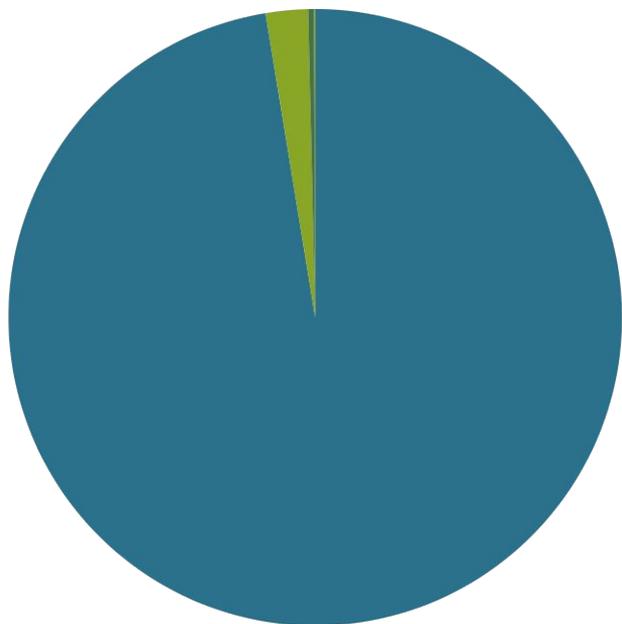
714 A DIFFERENTIAL MEMORY PROFILE IN PATIENTS WITH SUBJECTIVE MEMORY COMPLAINTS AND NORMAL MIMSE SCORE: DEPRESSION OR COGNITIVE DECLINE?

Jane Kubavova, Service of Neurology, 08023 Barletta, Spina, Ancona, Italy; Peter Chelwin, Kiev Genetic, Anomalous, Genetic, Ukraine

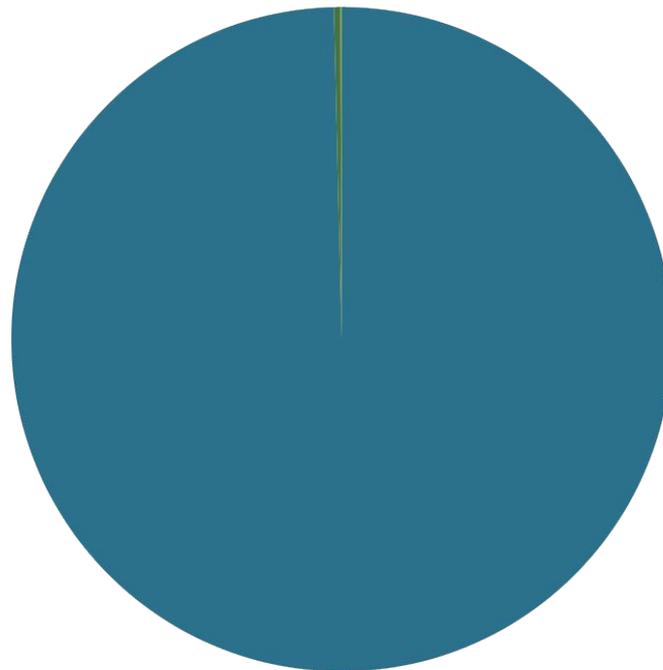
OBJECTIVE: To determine whether depressive symptoms influence particular aspects of memory performance in patients with subjective memory complaints. **BACKGROUND:** Individuals with otherwise normal MMSE, subjective memory complaints may predict dementia. Depressive symptoms, however, may influence memory performance via a differential distinction between cognitive decline and depression is not available. Analysis of memory profile in depressed and non-depressed individuals with normal MMSE and subjective memory complaints can help distinguish particular aspects of memory performance that are most probably related to depressive symptoms. **DESIGN/METHODS:** Seventy three non-demented subjects with subjective memory complaints, without antecedents of neurologic illness and MMSE score ≥ 26 were assessed with a comprehensive memory battery of other cognitive functions, and the GDS-15, a sensitive measure greater than 90% of depressive illness. Fifty subjects were selected and memory performance was analyzed in two groups. Group 1: 26 subjects (13M/13F) with MMSE score of 27-30, mean 28.6 and GDS-15 (10 mean 5.8). Group 2: 25 subjects (12M/13F) with MMSE score of 27-30 mean 28.3 and GDS-15 (14 mean 19.3). There were no significant differences between groups on age, mean 65.6, years of education (mean 9.2) and

Exploration du corpus V0

Langues



Langues dans Istex (292 unknown)



Résultat du web service



Exploration du corpus V0

Bilan



01

Reuves

NOT host.title:(`"Animal Cognition"`
`"Animal Behaviour"` `"Applied Animal Behaviour Science"`)



02

Types de documents

NOT title:(`"in mémoriam"` `"à la mémoire"`) NOT genre:abstract



03

Langues

NOT language:ger

Révision de la requête

```
title:(m?mor* mnesic metamne* m?tam?mor*
mémoire* mnési* mnémo* métamnési*) AND
categories.wos.raw:("2 - neurosciences" "2 -
psychology" "2 - clinical neurology" "2 -
psychology, biological" "2 - psychiatry" "2 -
psychology, clinical" "2 - geriatrics &
gerontology" "2 - gerontology" "2 -
neuroimaging" "2 - behavioral sciences" "2 -
psychology, experimental") AND
publicationDate:[2000 TO *]
```

```
title:(m?mor* mnesic metamne* m?tam?mor* mémoire*
mnési* mnémo* métamnési*) AND categories.wos.raw:("2
- neurosciences" "2 - psychology" "2 - clinical neurology" "2 -
psychology, biological" "2 - psychiatry" "2 - psychology,
clinical" "2 - geriatrics & gerontology" "2 - gerontology" "2 -
neuroimaging" "2 - behavioral sciences" "2 - psychology,
experimental") AND publicationDate:[2000 TO *] NOT
host.title:("Animal Cognition" "Animal Behaviour"
"Applied Animal Behaviour Science") NOT title:("in
mémoriam" "à la mémoire") NOT genre:abstract NOT
language:ger
```

Exploitabilité TDM

**2 phases
&
2 outils**

1

**Pertinence
scientifique**

Istex Search : construction et
affinement requête,
extraction corpus v0

Corpus V0

Lodex : examen de la pertinence
du corpus grâce aux
datavisualisations & aux facettes

Corpus V1

2

**Exploitabilité
TDM**

Istex Search : examen des
indicateurs techniques pertinents

Exploitabilité TDM

Résumé



Constat

- 6 % des documents n'ont pas de résumé

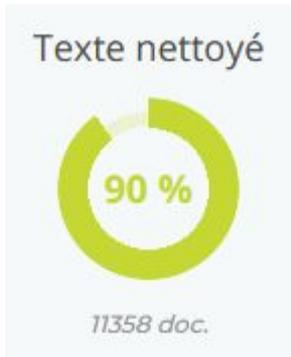
Procédures / outils

- Teeft : indexation non supervisée pour extraire les termes les plus spécifiques d'un contenu scientifique
- GarganText : plateforme collaborative d'exploration graphique de corpus

Requête AND abstract:*

Exploitabilité TDM

Texte nettoyé



Constat

- 10 % des documents n'ont pas de texte nettoyé (texte brut vs texte nettoyé)

Procédures / outils

- CorText : outil d'analyse et d'exploitation de corpus textuels (script Terms extraction)
- TermSuite : outil d'extraction terminologique et d'alignement de termes multilingues
- Bibliothèque Python (gensim)
- Concordancier (Sketch Engine)

Requête AND qualityIndicators.tdmReady:true

Exploitabilité TDM

PDF texte



Constat

- Tous les documents ont un PDF texte (vs type PDF image)

Procédures / outils

- Transformer le PDF en texte avant l'intégration dans l'outil souhaité (tesseract)

Requête NOT qualityIndicators.pdfText:false

Exploitabilité TDM

Nombre de pages / mots

Constats

- 25 documents possèdent plus de 100 000 mots
- 11 documents possèdent plus de 100 pages

Requêtes

AND qualityIndicators.pdfPageCount:[* TO 100]

AND qualityIndicators.pdfWordCount:[* TO 100000]

NOMBRE DE MOTS DU PDF ^

Nombre de mots (106 179 à 161 114)

à

Exploitabilité TDM

Bilan





Conclusion



Conclusion

Istex

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- À venir : d'autres ressources libres et aussi...
 - Bentham - 2021/2023 (Revue en chimie)
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 - Cambridge University Press - 2023 (Ebooks en droit et sciences Politiques)
 - Karger - 2023 (Ebooks en médecine)
 - Open Edition - 2023 (Revue en SHS)
 - EDP Sciences - 2023 (Revue en STM)
 - Elsevier - 2014/2016 (Revue multidisciplinaires)
 - Cambridge University Press - 2011/2017 (200 revues)
 - Emerald - 2011/2021 (16 revues)

Un écosystème à votre service

- Des nouveaux web services sur Istex TDM (e.g. entityTag)
- Des nouvelles terminologies sur Loterre (e.g. vocabulaire de TAL)
- Nouvelle application Istex Search
- Nouvelle version de Lodex
- À venir : enrichissement de l'application Istex Search, création d'une plateforme dédiée aux corpus Istex

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- Liste de discussion (publique) Lodex : lodex@groupes.renater.fr
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- Données ISTEK : <https://data.istex.fr>
- Infos Lodex : <https://www.lodex.fr>
- Istex TDM : <https://services.istex.fr>
- TM Tools Explorer :
<https://services.istex.fr/tm-tools-explorer>

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- Vérifier son accès par fédération d'identité :
<https://api.istex.fr/auth?auth=fede>

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- Documentation Usage TDM d'ISTEK : <https://doc.istex.fr/tdm>
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- Documentation LODEX :
<https://www.lodex.fr/docs/documentation>

Se former

- Tutos API ISTEK : <https://istex-tutorial.data.istex.fr>
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<https://callisto-formation.fr/course/view.php?id=194>

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