



# Constitution et analyse d'un corpus documentaire à partir d'Istex

MATHILDE HUGUIN

[mathilde.huguin@inist.fr](mailto:mathilde.huguin@inist.fr)

Ingénieure de recherche Inist-CNRS  
Service Istex – Textes & Corpus



# Programme



01

Istex et les outils associés

02

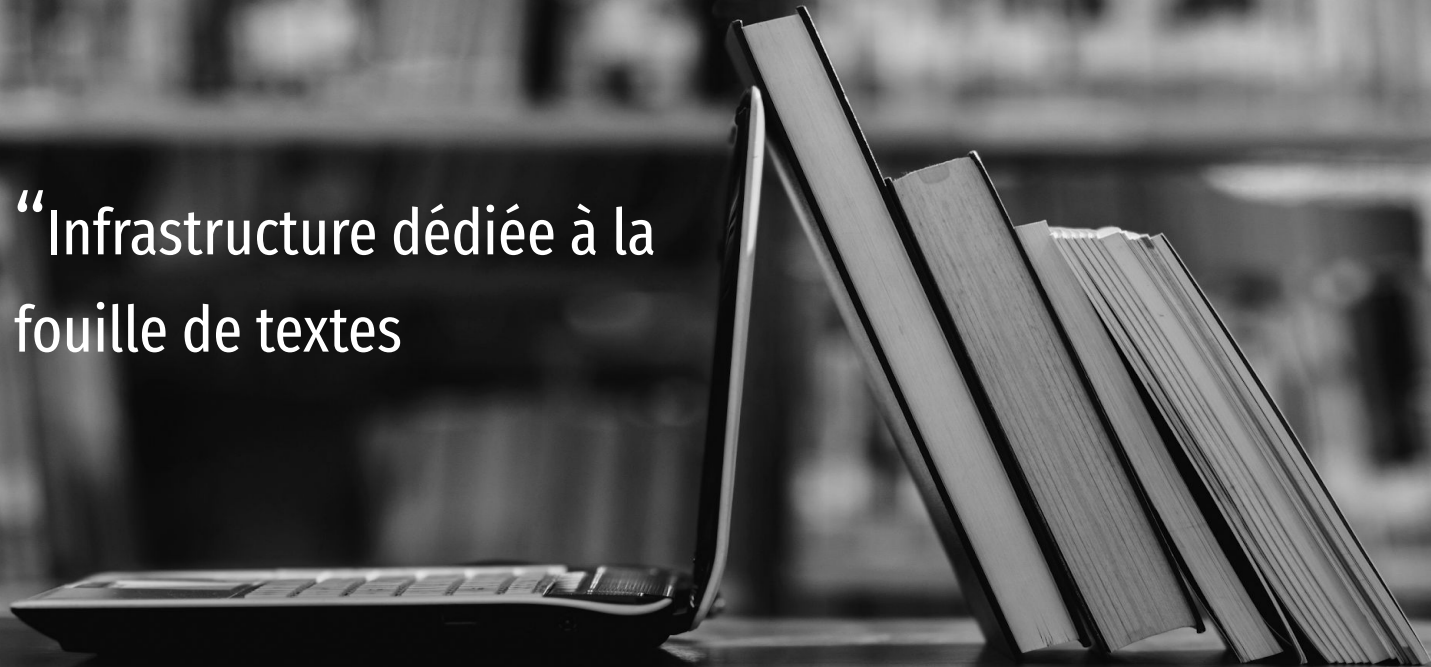
Constitution d'un corpus à partir des ressources Istex

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 | Chiffres  
Usages | Chaîne de traitements |  
Outils

“Infrastructure dédiée à la  
fouille de textes



# Éléments généraux

Acquisitions pérennes  
des licences nationales  
complémentaires des  
abonnements courants

Projet créé dans le cadre  
des PIA, financé par l'ANR

Plan de soutien à l'  
édition scientifique  
française

GIS CollEx-Persée

Intégration de  
publications en OA

2011-2018

2017-2018

Dps 2019

Dps 2024



2015

Ouverture de l'API en  
bêta-test (23M)

2018

Création de l'outil de  
datavisualisation et  
d'analyse Lodex  
(Gregorio *et al.*, 2019)

2024

Lancement de l'outil de  
constitution de corpus Istex  
Search

2026

Datalake  
laLac

# 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 tous·tes
- Textes intégraux et enrichissements réservés à l'ESR (383 établissements inscrits)
- Pérenne sur Istex mais limité chez l'éditeur
- ENT, Google Scholar, Click & Read

# Chiffres



32 076 282

Publications scientifiques\*

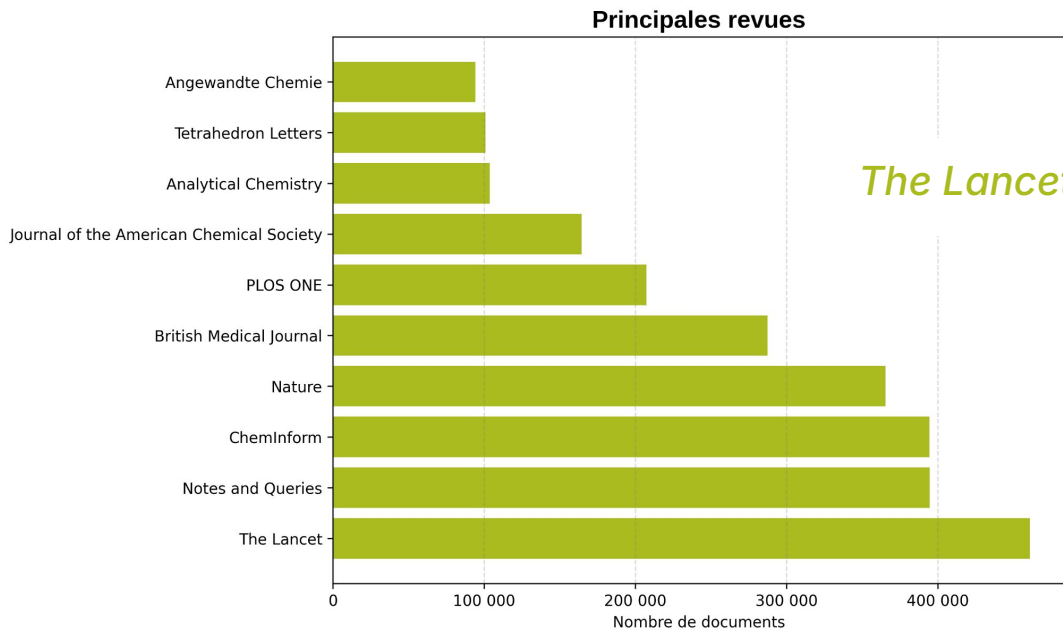
\*Chiffres en date du 01/04/2026

# Chiffres



+ de 422 000\*  
revues et monographies

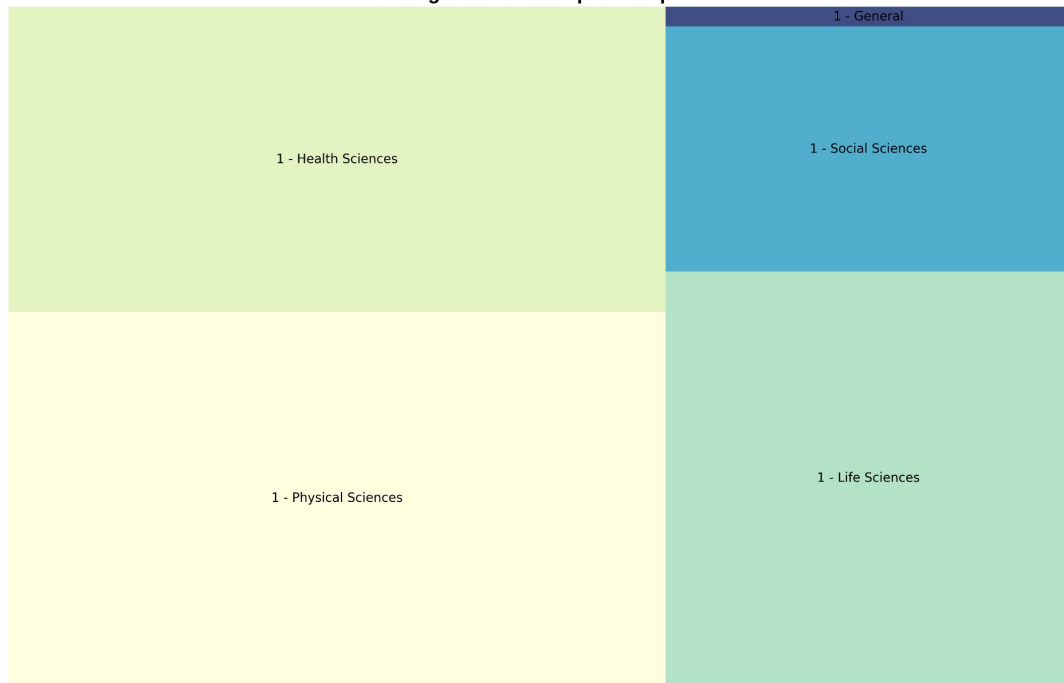
# Chiffres



*The Lancet, Nature, Science...*

# Chiffres

Catégories scientifiques Scopus



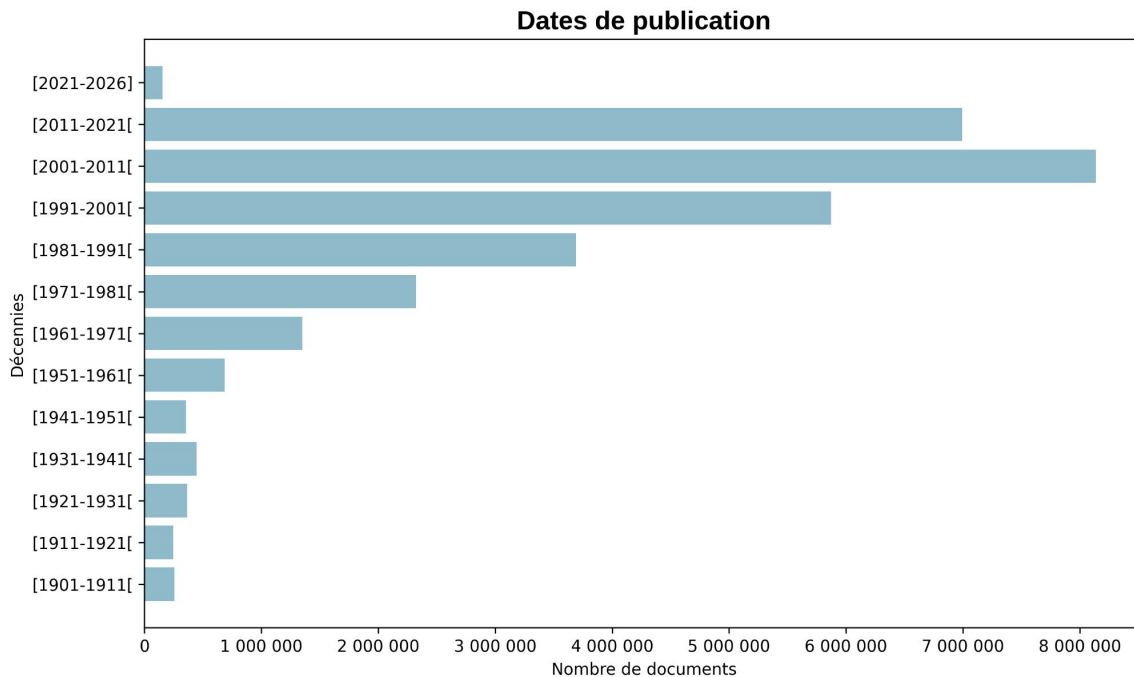
# Scopus<sup>®</sup>

60%\* Physique et santé

90%\* Documents avec une catégorie

# Chiffres

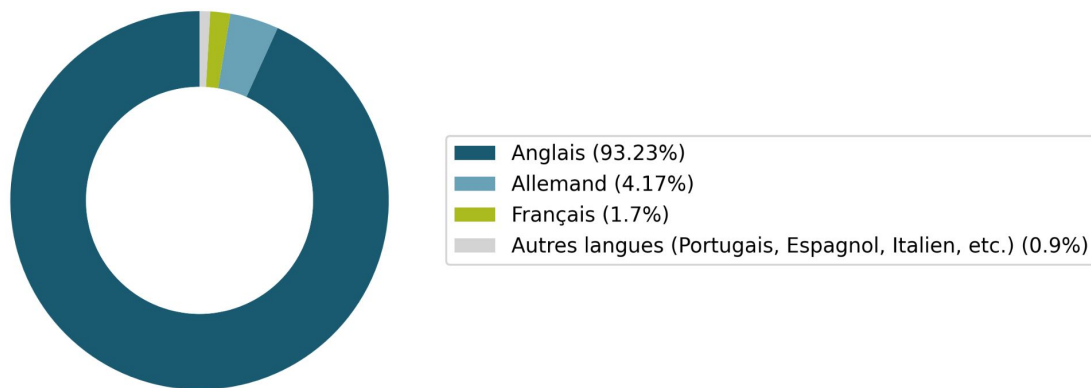
96%\* Entre 1900 et aujourd'hui  
 90%\* Depuis 1950



\*Chiffres en date du 01/04/2026

# Chiffres

## Principales langues



60 langues

*du catalan, de l'arabe, du grec ancien, du danois...*

# Deux usages

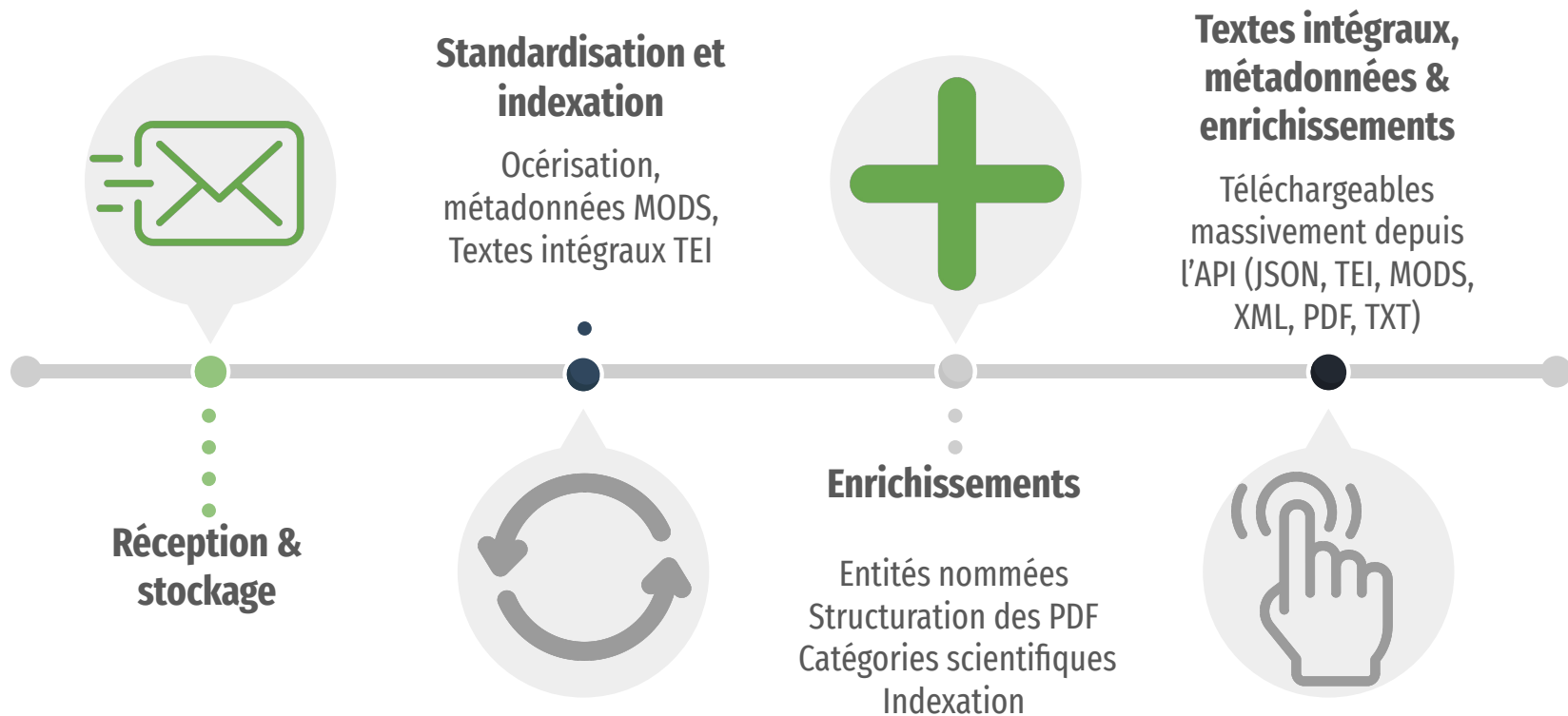
## Ressource documentaire

- Trouver des articles scientifiques
- Alimenter des bases documentaires

## Matériau de recherche

- Constituer des corpus
- Faire de la fouille de textes, du *text and data mining* (TDM), du traitement automatique des langues (TAL)

# La chaîne de traitements



# Enrichissements

## Extraction des références bibliographiques

Qui cite Stephen Hawking ?

### 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

```

▼<biblStruct xml:id="b0" resp="#ISTEX-API" chang
  ▼<analytic>
    ▼<title level="a" type="main">
      Multiple retrieval models and regression models for prior art search
    </title>
    ▼<author>
      ▼<persName>
        <forename type="first">P</forename>
        <surname>Lopez</surname>
      </persName>
    </author>
    ▼<author>
      ▼<persName>
        <forename type="first">L</forename>
        <surname>Romary</surname>
      </persName>
    </author>
  </analytic>
  ▼<monogr>
    <title level="m">CLEF 2009 Workshop</title>
    ▼<meeting>
      ▼<address>
        <addrLine>Corfu, Greece</addrLine>
      </address>
    </meeting>
    ▼<imprint>
      <date type="published" when="2009"/>
    </imprint>
  </monogr>

```

**Objectif :** détecter et structurer les références bibliographiques des articles

# Enrichissements

## Détection d'entités nommées

Qui parle de  
 l'Iran ?

### 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].

1. Personnes
2. Lieux
3. Organisations
4. Projets financés
5. Organisme financeur
6. URL
7. Dates

**Objectif :** *extraire les entités nommées (Unitex)*

# Infrastructure Istex

<a href="#"><u>Istex</u></a>
<a href="#"><u>Istex Data</u></a>
<a href="#"><u>Istex Corpus</u></a>
<a href="#"><u>Istex Search</u></a>
<a href="#"><u>Lodex</u></a>
<a href="#"><u>Istex Loterre</u></a>
<a href="#"><u>Istex TDM</u></a>
<a href="#"><u>TDM Factory</u></a>

Site général, actualités, accès

Information sur les données Istex (revue de sommaire, enrichissements)

Corpus scientifiques constitués à partir des données Istex

**Outil de constitution de corpus connecté à l'API**

**Outil de création de sites web (visualisation et analyse de corpus)**

Bibliothèque de terminologies multidisciplinaires & multilingues

**Bibliothèque de web services (programmes informatiques)**

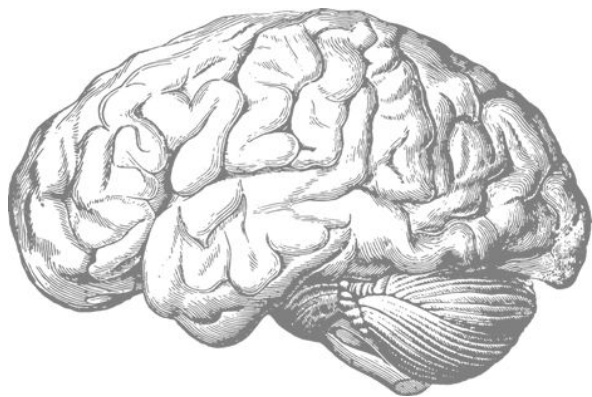
Interface de TDM en ligne

A black and white photograph showing a stack of several books. The top book is open, with its pages fanned out. To the right of the books, 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  
[\(Arnould, 2025\)](#)

# Méthodologie

Étapes	Objectifs	Outils
Collecte de documents	Construire le corpus	<i>Istex Search</i>
Vérification de la pertinence des documents	Supprimer le bruit	<i>Lodex, web services Istex TDM</i>
Examen des indicateurs techniques	Limiter les prétraitements	<i>Istex Search</i>

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

## 1 corpus en 3 étapes

### Requête

Plusieurs modes de recherche vous permettent d'interroger Istex : la recherche simple, la recherche assistée et l'import d'une liste d'identifiants.

### Exploration

Différents filtres et indicateurs sont à votre disposition pour analyser le contenu du corpus et affiner votre requête pour obtenir un corpus de qualité.

### Téléchargement

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.

# 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.
	TELEPT 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
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- 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

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1 758 doc.

Texte nettoyé

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1 077 doc.

Langue de publication

99 %  
anglais : 1 766 doc. (99,5 %)  
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### Compatibilité avec les passerelles (1 775 documents)

LODEX (100 %)

JSON 1 775 doc.

CORTEX (100 %)

TEI 1 775 doc.

GARGANTEXT (100 %)

JSON 1 775 doc.

TEEFT

CLEANED 1 077 doc.  
TEEFT 1 596 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)

the domain of machine translation. GETA's software system, APRIANE 78, has been tested over various pairs

**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

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APPLIQUER

**LANGUE (2)**

Rechercher

- anglais 1766
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- Résumé: 68% (1212 doc.)
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- 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.)
- GARGANTEXT (100%)
- CORTEXT (100%): TEI (1775 doc.), CLEANED (1077 doc.), TEEFT (1696 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

## Fonctionnalités additionnelles

### Historique

**Recherche en cours**

- qualityIndicators.pdfText:false

**Derniers téléchargements**

1	(libyen* libye) AND ("apprentissage de l'écriture" "apprentissage du français" "langue française")	metadata[json]	179
2	subject.value:(("Immanuel Kant" OR "Emmanuel Kant") OR (Aufklärung AND "Immanuel Kant")) NOT...	metadata[json]	1
3	"Facteur Cheval" NOT author.affiliations:"Facteur Cheval" NOT refBibs.title:"Facteur Cheval"...	metadata[json]	30

Historique

### Rechercher avec Lucene

Lucene est le langage de requêtage du moteur de recherche Istex (Elasticsearch) et permet de cibler efficacement les documents qui vous intéressent.

#### Éléments généraux

- Par défaut, la recherche est insensible à la casse mais sensible aux diacritiques.  
 évolution ≠ evolution
- La recherche d'**expressions multitermes** s'effectue avec des guillemets.  
 "speech therapy"
- L'espace blanc équivaut à l'opérateur **OR**.  
 fungi OR fungus = fungi fungus

Aide

Une recherche Istex a été partagée avec vous

Message | Insertion | Options | Format du texte | Révision | Développement

Calibri 11 | Texte simple | Camet d'adresses | Vérifier les noms

De mathilde.huguin@inist.fr

À

Cc

Objet Une recherche Istex a été partagée avec vous

Voici le lien vers la recherche Istex partagée  
<https://search.istex.fr/fr-FR/results?q=namedEntities.unitex.persName%3A>

Partage

# 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

- Texte intégral
  - PDF
  - TEI
  - TXT
  - CLEANED
  - ZIP
  - TIFF
- Métadonnées
  - JSON
  - XML
  - MODS
  - Annexes
  - Couvertures
- Enrichissements
  - multicat
  - nb
  - grobidFulltext
  - refBibls
  - teeft
  - unitex

Trier par : pertinence & qualité

Télécharger 1775 / 1 775 TOUT

**TÉLÉCHARGER**

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

# Présentation d'Istex Search

## Sélection de documents

**BOUQUET (8)**

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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 \(2\)](#)

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## Exclusion de documents

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APPLIQUER

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EXCLURE

**Lighthill 17 years on**

TÉLÉCHARGER LE CORPUS (1 773)


If is a common Establishment practice in the UK to ask


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


*Computational Intelligence*


# Présentation d'Istex Search

## Passerelles

**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. 

**CorText** Logiciel libre destiné à la fouille et l'analyse de corpus textuels hétérogènes proposant plusieurs traitements automatiques (clustering, visualisation de données temporelles, etc.). 

**GarganText** Logiciel libre dédié à l'exploration collaborative d'ensembles de documents combinant des outils de traitement du langage naturel, d'analyse de réseaux complexes et de visualisation interactive de données. 

**NooJ** Application destinée à l'analyse de corpus permettant de construire des ressources linguistiques (dictionnaires, grammaires) et de les appliquer à des fins d'annotation ou d'interrogation (analyse sémantique, concordances, extraction d'information, etc.). 

# Requêtage

# Méthodologie

Étapes	Objectifs	Outils
<b>Collecte de documents</b>	<b>Construire le corpus</b>	<i>Istex Search</i>
Vérification de la pertinence des documents	Supprimer le bruit	<i>Lodex, web services Istex TDM</i>
Examen des indicateurs techniques	Limiter les prétraitements	<i>Istex Search</i>

# 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



## Africaines

### New Studies Garima E

Nouvelles études  
 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-xvie-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

Ren

## Revue des mondes musulmans et de la

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 Darwich<sup>11</sup>. 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

Sociol  
 panar

*Sociohistory of al-Yawm al-sābi': a pan-Arab magazine in exile (1984-1991)*

التاريخ الاجتماعي لـ « اليوم السابع »، مجلة عربية في المنفى (1991-1984)

# 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

```
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

^ / v
/ 13 158

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](#)



A blurred background image of a laptop screen. The screen displays a line graph with several data points connected by a line. The graph shows an overall upward trend with some fluctuations. Below the graph, there is a date label '19 av.'. At the bottom of the screen, a taskbar is visible with several icons, including a trash can, a music note, and a Wi-Fi symbol. The text 'Présentation de Lodex' is overlaid on a white rectangular box in the center of the screen.

# Présentation de Lodex

# Présentation de Lodex

## Transformer

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



## Explorer

Ses données à travers des graphiques dynamiques

## Exporter

Ses données dans plusieurs formats



## Enrichir

Ses données avec des web-services

# Présentation de Lodex




**Métadonnées**

○ ● ● ● ●



**Transformation**

○ ● ● ● ●




**Modèle**

○ ● ● ● ●



**Site web**

○ ● ● ● ●



**Export  
Consultation  
Partage**

○ ● ● ● ●

# Présentation de Lodex

## Import de données

The screenshot shows the Lodex web interface with a green header. The main navigation bar includes 'LODEX', 'DONNÉES', and 'PUBLIER'. A left sidebar contains 'Données', 'Enrichissements', and 'Précalculs'. The central area is titled 'FICHER' and 'LIEN WEB'. A large dashed box contains the text 'Glisser un fichier sur cette page' and an upload icon. Below this, there is a 'Choisir un loader' dropdown menu, a 'Customiser le loader' link, and an 'IMPORTER LES DONNÉES' button. A dropdown menu is open, listing the following file formats:

- AUTO - avec l'extension du nom de fichier
- CSV - avec des points virgules
- CSV - avec des virgules
- CSV - détection automatique du séparateur
- JSON - adapté à Lodex
- JSON - avec un tableau
- JSON - compatible API Conditor
- JSON - compatible API DataCite
- JSON - compatible API Inspire\_HEP
- JSON - compatible API ISTEEX
- 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									
COLONNES FILTRES DENSITÉ AJOUTER									
uri	Titre	Auteur(s)	Affiliation(s)	Revue ou mon...	Auteur(s) monogra...	ISSN	Volume	Numéro	Page déb
"ark:/67375/6H6-0VN"	"Consolidation of tem	["H. Griesenberger",]	["["Laboratory for Slee	"Biological Psycholog		"0301-0511"	"91"	"1"	"150"
"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"
"ark:/67375/6H6-SZ5I"	"Effects of mnemonic	["Tjeerd W. Boonstra"	["["School of Psychiatr	"International Journal		"0167-8760"	"89"	"3"	"409"
	"Variations in retrieva	["P. Andrew Leynes",]	["["The College of New	"International Journal		"0167-8760"	"87"	"2"	"189"
"ark:/67375/6H6-12Ci"	"P3 response during :	["Mehmet Ergen",]"Erc	["["Department of Phys	"International Journal		"0167-8760"	"84"	"2"	"205"
"ark:/67375/6H6-SCK"	"A frequency band an	["Kimberly Cuevas",]"\	["["Department of Psyc	"International Journal		"0167-8760"	"83"	"3"	"315"
"ark:/67375/6H6-F4D"	"Blood CADPS2ΔExor	["Kotaro Hattori",]"Hani	["["Department of Men	"Biological Psycholog		"0301-0511"	"89"	"1"	"117"
"ark:/67375/6H6-8M0"	"Working memory of s	["Nicoletta Savini",]"Mè	["["Department of Neur	"International Journal		"0167-8760"	"86"	"3"	"220"
"ark:/67375/6H6-PG7"	"Contextual recogniti	["Márcio Silveira Corr	["["Neurobiology and C	"Biological Psycholog		"0301-0511"	"89"	"2"	"293"
"ark:/67375/6H6-WTX"	"Prefrontal, parietal a	["Jan Van Hecke",]"Thi	["["CAPRI Collaborativ	"Biological Psycholog		"0301-0511"	"85"	"1"	"143"
"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 top navigation bar with the 'LODEX' logo on the left and 'DONNÉES' and 'AFFICHAGE' tabs in the center. A 'PUBLIER' button is located on the right side of the top bar. A dark grey sidebar on the left contains navigation links: 'Page d'accueil', 'Ressource principale', 'Sous-ressources', 'Graphiques', and 'Recherche et facettes'. The main content area has a header with 'PAGE' on the left and 'DONNÉES PUBLIÉES' on the right. Below the header, there are two dropdown menus labeled 'DATASET - Titre' and 'DATASET - Description'. To the right of these menus is a green button with a plus sign and the text 'NOUVEAU CHAMP'. In the center of the page, there is a bold instruction: 'Configurez votre affichage en cliquant sur le bouton « Nouveau champ »'. At the bottom right, a grey box indicates '0 champ ajouté'.

# Présentation de Lodex

## 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

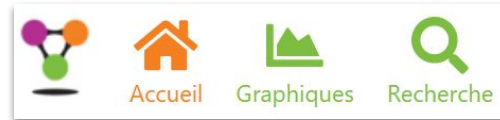
cm-enssib2024-beethoven-v0  
 Modèle  
 Avancé  
 Configuration  
 Déconnexion

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, there is a green navigation bar with the logo 'LODEX' on the left, and tabs for 'DONNÉES' and 'AFFICHAGE'. A 'DÉPUBLIER' button is visible 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 features two dropdown menus: 'DATASET - Titre' with the value '[qMKk]' and 'DATASET - Description' with the value 'DATASET - Description'. A green '+ NOUVEAU CHAMP' button is located to the right. Below these are three large text input fields, each with a grid icon on the left and a dropdown arrow on the right. The first field contains '[qMKk]', the second contains '[aNnc]', and the third contains 'Version [UEbp]'.

# Présentation de Lodex

## Enrichissements

**LODEX** DONNÉES AFFICHAGE DÉPUBLIER

Données  
Enrichissements  
Précalculs  
Ressources cachées

Nom

Mode avancé

URL du web service

Colonne de la source Sous-chemin

ANNULER SAUVEGARDER

**Aperçu de la valeur\***

Aucune donnée

*\* valeur de la colonne source ou de la règle avancée*



**Exploration  
du corpus**

# Méthodologie

Étapes	Objectifs	Outils
Collecte de documents	Construire le corpus	<i>Istex Search</i>
<b>Vérification de la pertinence des documents</b>	<b>Supprimer le bruit</b>	<b><i>Lodex, web services Istex TDM</i></b>
Examen des indicateurs techniques	Limiter les prétraitements	<i>Istex Search</i>

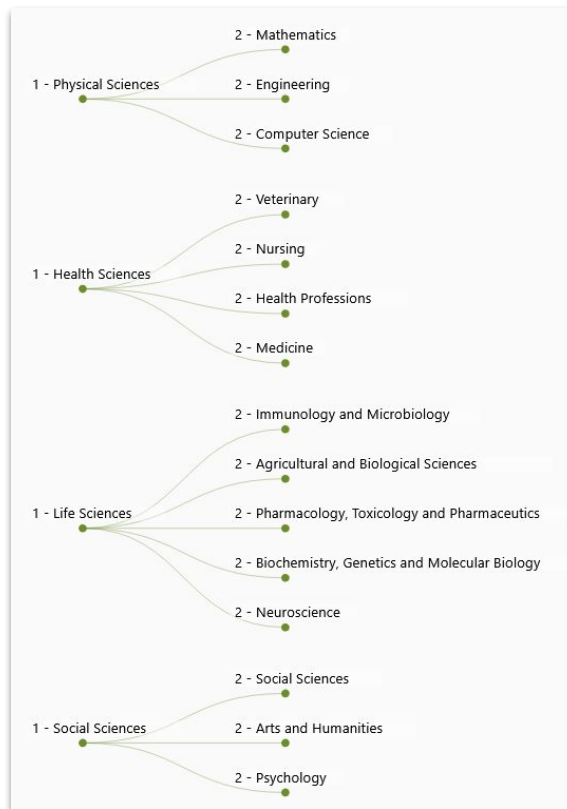
# Exploration du corpus

Années de publication



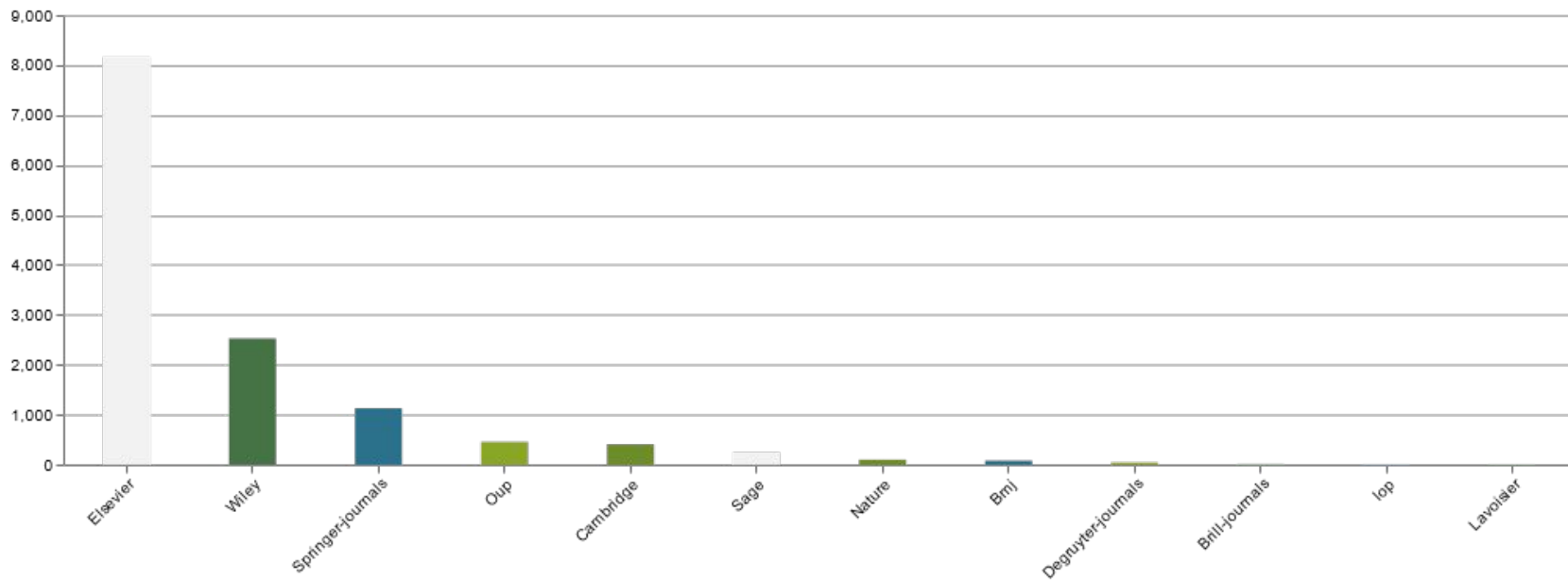
# Exploration du corpus

## Catégories scientifiques Scopus



# Exploration du corpus

## Editeurs







# Exploration du corpus

## Revue d'éthologie

Revue / Monographie (3) ^

exclure

animal|

---

VALEUR      COMPTER ↓

TOUT COCHER

<input type="checkbox"/> Animal Cognition	51
<input type="checkbox"/> Animal Behaviour	43
<input type="checkbox"/> Applied Animal Behaviour Science	7

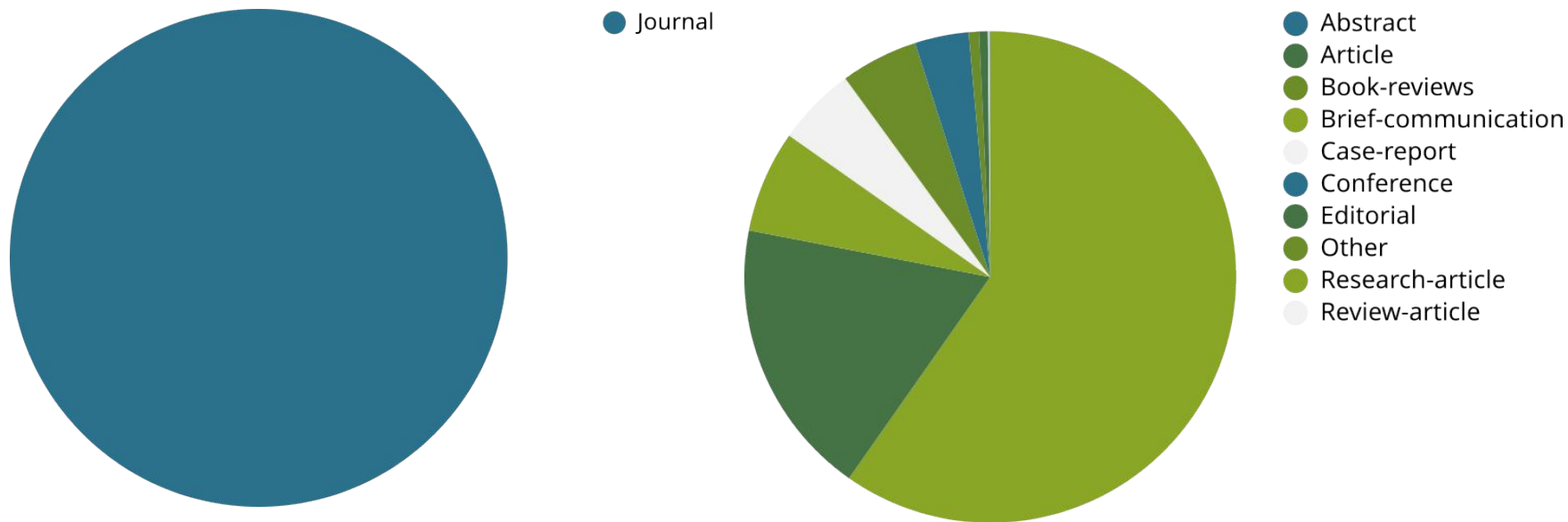
---

Showing 1 to 3 of 3    <    >



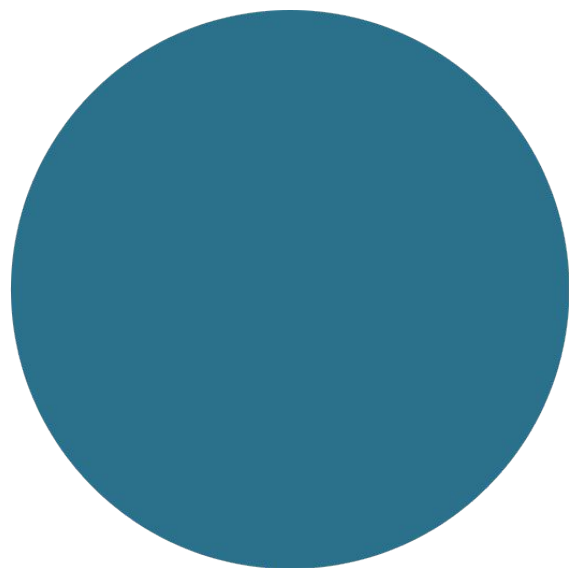
# Exploration du corpus

## Types de publication et de document

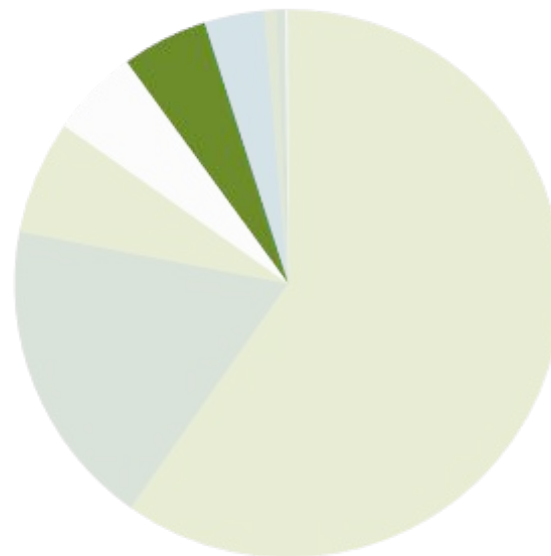


# Exploration du corpus

## Types de publication et de document



● Journal



- Abstract
- Article
- Book-reviews
- Brief-communication
- Case-report
- Conference
- Editorial
- **Other**
- Research-article
- Review-article

# Exploration du corpus

## Types de publication et de document

*Journal of the International Neuropsychological Society* (2000), 6, 376–377.  
Copyright © 2000 INS. Published by Cambridge University Press. Printed in the USA.

### 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<sup>er</sup> mars 2005

Marcia Finlayson,<sup>1</sup> Neena Chappell,<sup>2</sup> and Lynn McDonald<sup>3</sup>

- 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<sup>er</sup> 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-

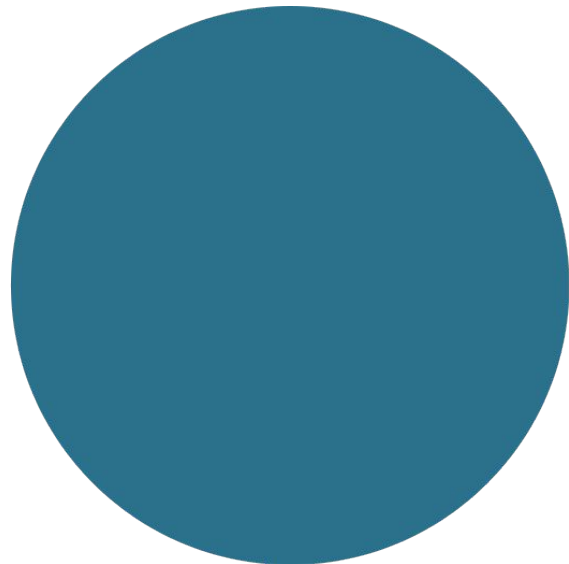
lège qui nous a été offert de partager une partie de son

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.

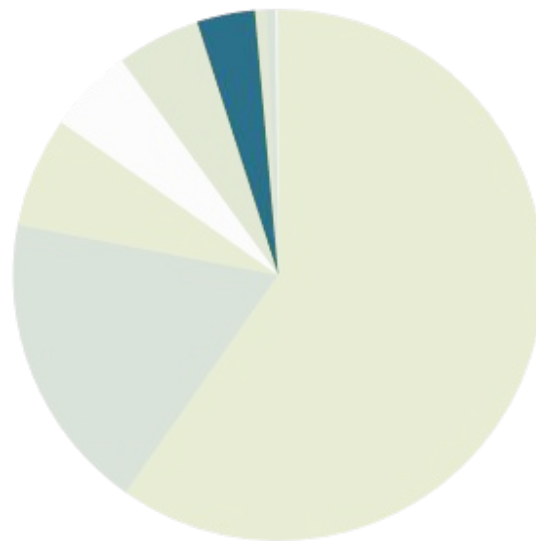
J'aimerais parler d'elle d'un point de vue plus personnel. Bien qu'elle n'était pas très démonstrative, elle soutenait sans aucune réserve les personnes en lesquelles elle croyait. Je me souviens très clairement de moments, pendant les premières années de ma carrière, où elle est venue me prendre par 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

## Types de publication et de document



● Journal



- Abstract
- Article
- Book-reviews
- Brief-communication
- Case-report
- Conference
- Editorial
- Other
- Research-article
- Review-article

# Exploration du corps

## 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, MHS<sup>1</sup>, Pierre Côté, DC, PhD<sup>2</sup>, J. David Cassidy, DC, PhD, DrMedSc<sup>3</sup>, Linda Carroll, PhD<sup>4</sup>, Centre of Research Expertise in Improved Disability Outcomes (CREIDO), University Health Network, Department of Public Health Sciences, University of Toronto, Toronto, Ontario, Canada; <sup>2</sup>Department of Public Health Sciences, School of Public Health, University of Alberta; <sup>3</sup>Edmonton 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 = -13.9/100, 95% CI = -16.4, -11.3) and mental (mean difference = -10.8/100, 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, MD<sup>1</sup>, Bart Yazawa, MD<sup>2</sup>, Christine Farnsworth, MS<sup>1</sup>, Vijayarath Upasani, MD<sup>1</sup>, Reid Chatters, BA<sup>1</sup>, Srang Hwan Yoon, MD, PhD<sup>1</sup>, Paul Furlan, MD<sup>1</sup>, Rady Children's Hospital and Health Center, San Diego, CA, USA; <sup>2</sup>University of California, San Diego, San Diego, CA, USA; <sup>3</sup>DePuy Spine, Le Locle, Switzerland

**BACKGROUND CONTEXT:** In the surgical treatment of spinal deformity, shape memory metal (Nitinol) 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) (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 correction 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 correction and compared between single and dual rod groups (p<0.05).

**RESULTS:** Scoliotic deformity correction 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°±5° vs 28°±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 correction 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 statistical difference between groups. (p<0.05)



### 710 CIRCADIAN RHYTHM DISTURBANCES IN ADVANCED DEMENTIA: DIAGNOSTIC SPECIFICITY

David G. Harper, Melvin Hong, 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, Melvin Hong, Harvard Med Sch, Belmont, MA, Patricia C. Harkin, Bethel E. Goldberg, Melvin Hong, Belmont, MA, Ludovic Velhoer, E. N. Rogers Mem Veterans Hosp, B U Sch of Medicine, Bedford, MA

Many of the nosognostic 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 pharmacologically 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 greater phase advance and lower overall 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 ± 0.01
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-Hyun 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  $\beta$ -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 105-200 mouse APP. Spatial learning and memory were also quantified by changes in acetylcholinesterase (AChE) levels of cortex and hippocampus. Mice that received CT105 revealed significant decrease in AChE level in cortex and hippocampus compared with saline treated group. Spatial learning and memory impairment was significantly impaired 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 COUNTRY AND IQ-PEF IN HEALTHY YOUNG AND OLD SUBJECTS

Oliver J. Hall, Antonio Coric, Enad Kuzil, Elvira I. Thoms, 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 have shown in young subjects, removal control-related reductions in

mean 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 water pairs (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 Valdivia-Palomares, Boris Reznikov Institute, Moscow, Russia; Olga Alexandrovna Pashina, 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 biochemical 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 progress of the disease. The subclinical changes of immunological and energy processes are potential for normal and pathological aging and their regulation is feasible target for prevention and therapies of DAT.

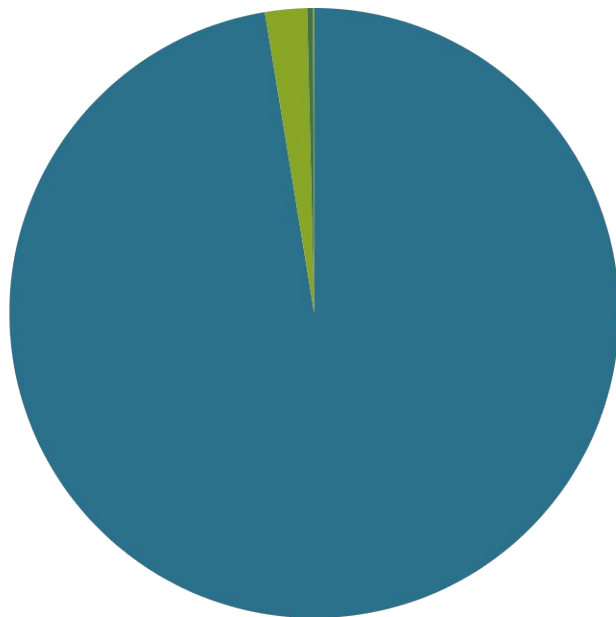
### 714 A DIFFERENTIAL MEMORY PROFILE IN PATIENTS WITH SUBJECTIVE MEMORY COMPLAINTS AND NORMAL MIMSE SCORE: DEPRESSION OR COGNITIVE DECLINE?

Jane Kubicki, Service of Neurology, 08023 Barabona Spas, Annapolis, Md, Peter Chertkow, Elder Geriatrics, Annapolis, Md, Geriatric

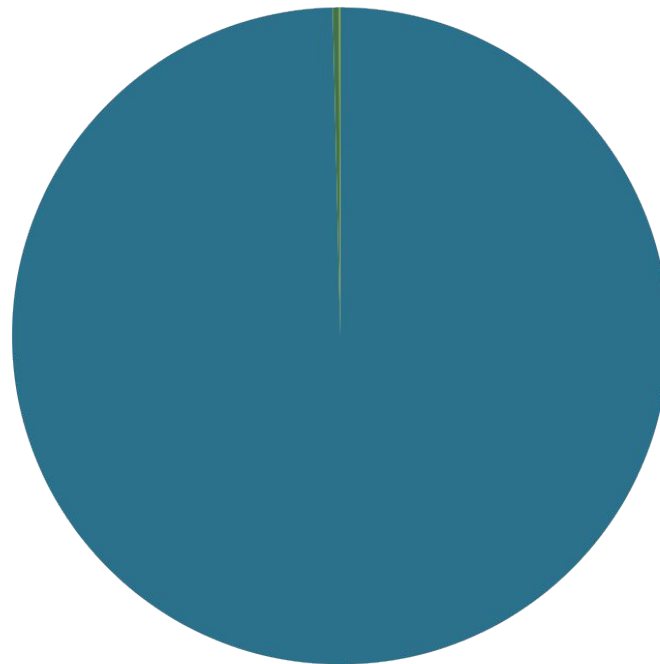
**OBJECTIVE:** To determine whether depressive symptoms influence particular aspects of memory performance in patients with subjective memory complaints. **BACKGROUND:** Individuals with subjective normal MIMSE, subjective memory complaints compared with similar group. **DESIGN/METHODS:** Severity of depressive symptoms, however, may influence memory performance and a differential diagnosis between cognitive decline and depression is not available. **ANALYSIS:** Memory profile in depressed and non-depressed individuals with normal MIMSE and subjective memory complaints help distinguish particular aspects of memory performance that are most probably related to depressive symptoms. **SETTING/METHODS:** Severity of subjective memory complaints and depressive symptoms, without antecedents of neurologic illness and MIMSE, score < 26 were associated with a comprehensive memory history 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 MIMSE score of 27-30, mean 28.6 and GDS-15 (10 mean 5.8). Group 2: 25 subjects (12M/13F) with MIMSE 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 8.2) and

# Exploration du corpus

## Langues



Langues dans Istex (292 unknown)



Résultat du web service



# Exploration du corpus

## Bilan



01

**Reuves**

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



02

**Types de documents**

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



03

**Langues**

NOT language:ger

# Révision de la requête

## Suppression de 578 documents

```

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

# Méthodologie

Étapes	Objectifs	Outils
Collecte de documents	Construire le corpus	<i>Istex Search</i>
Vérification de la pertinence des documents	Supprimer le bruit	<i>Lodex, web services Istex TDM</i>
<b>Examen des indicateurs techniques</b>	<b>Limiter les prétraitements</b>	<b><i>Istex Search</i></b>

# 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

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### Constat

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

### Procédures / outils

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- TermSuite : outil d'extraction terminologique et d'alignement de termes multilingues
- Bibliothèque Python (gensim)
- Concordancier (Sketch Engine)

**Requête** AND qualityIndicators.tdmReady:true

# Exploitabilité TDM

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### Constat

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Nombre de pages / mots

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- 25 documents possèdent plus de 100 000 mots
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## Requêtes

AND qualityIndicators.pdfPageCount:[\* TO 100]

AND qualityIndicators.pdfWordCount:[\* TO 100000]

**NOMBRE DE MOTS DU PDF** ^

Nombre de mots (106 179 à 161 114)

106 179 à 161 114

APPLIQUER X

# Exploitabilité TDM

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**Conclusion**



# Conclusion

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- Références citées dans le documents : <https://data.istex.fr/instance/istex-publication>
- Documentation LODEX : <https://www.lodex.fr/docs/documentation>

## Se former

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

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