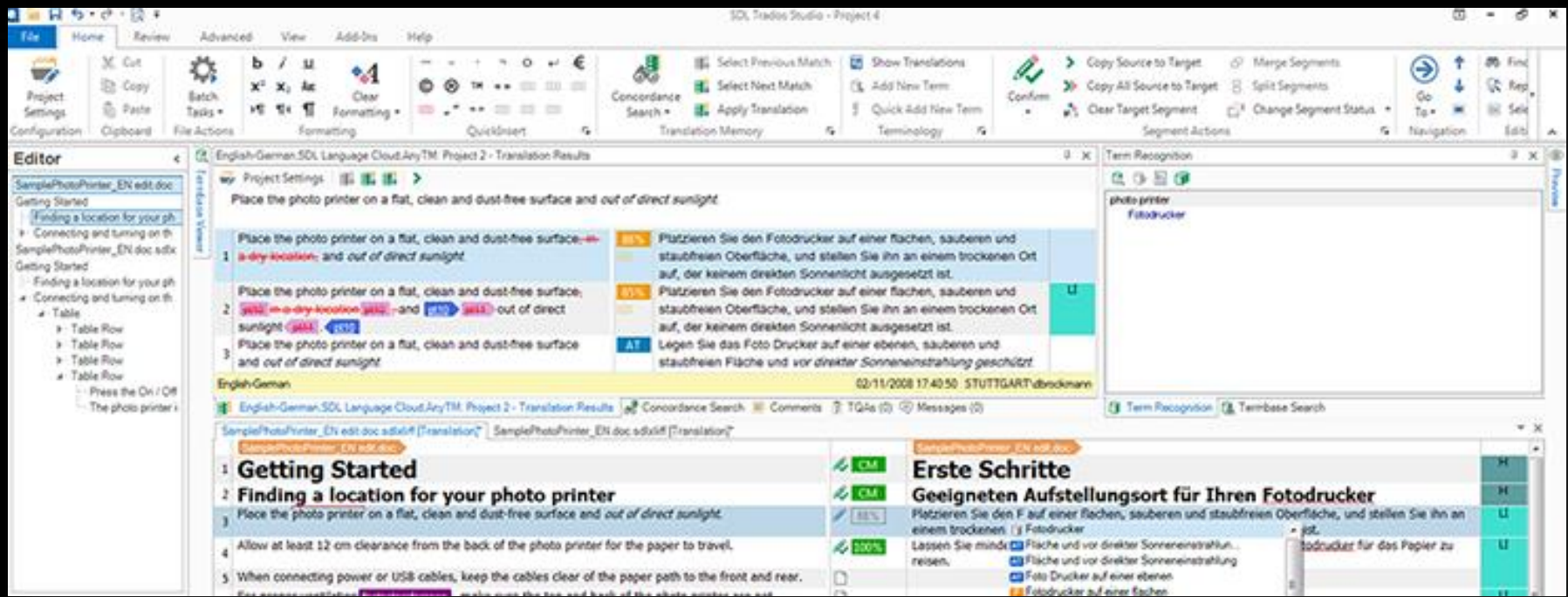


LEARNING FROM TEXTS 2.0

Language and technology for translation (and more)

CAT: AN UMBRELLA TERM

- Productivity tools



CAT: AN UMBRELLA TERM

- Productivity tools
- Terminology management

IATE InterActive Terminology for Europe

italiano (it)

[Schermo di ricerca](#) [Aiuto](#)

fiscal compact

en > it (Dominio: Qualsiasi dominio, Tipo di ricerca: Tutti)

Risultato 1- 2 Di 2 Per **fiscal compact**

Politica economica [Council] [Voce completa](#)

EN	fiscal compact	★★★★+@	
IT	patto di bilancio	★★★★+@	

Politica economica [Council] [Voce completa](#)

	TSCG	★★★★+@	
EN	Treaty on Stability, Coordination and Governance	★★★★+@	
	Treaty on Stability, Coordination and Governance in the Economic and Monetary Union	★★★★+@	
IT	trattato sulla stabilità, sul coordinamento e sulla governance nell'Unione economica e monetaria	★★★★+@	

CAT: AN UMBRELLA TERM

- Productivity tools
- Terminology management
- Machine translation

The screenshot shows the Google Translate web interface. At the top, the Google logo is on the left, and a grid icon, a user profile icon, and the email address "dit.forli@gmail.com" are on the right. Below the logo, the word "Traduttore" is displayed in red. To the right of "Traduttore" are a red "G+" icon and a star icon. The main interface has two input boxes. The left box contains the Italian text: "Carissime e Carissimi, sin dal momento della mia candidatura, ho invitato ciascuno di voi a un dialogo costruttivo sul futuro del nostro ateneo. In molti hanno accolto positivamente e con entusiasmo questo invito e colgo l'occasione per ringraziarli ancora una volta." The right box contains the English translation: "Dear and Beloved, from the moment of my candidacy, I invited each of you in a constructive dialogue on the future of our university. Many have welcomed with enthusiasm the invitation and I take this opportunity to thank them once again." Above the input boxes, there are language selection buttons: "Inglese", "Italiano", "Francese", and "Rileva lingua" with a dropdown arrow. Below these, there are arrows for swapping languages and a row of buttons: "Italiano", "Inglese", "Spagnolo", and a dropdown arrow. A blue "Traduci" button is to the right of these. At the bottom of the interface, there are icons for a speaker, a keyboard, a star, a list, a speaker, and a share icon. On the far right, there is a link that says "È sbagliato?" with a pencil icon.

Google

Traduttore

Inglese Italiano Francese Rileva lingua

Italiano Inglese Spagnolo Traduci

Carissime e Carissimi,
sin dal momento della mia candidatura, ho invitato
ciascuno di voi a un dialogo costruttivo sul futuro del
nostro ateneo. In molti hanno accolto positivamente e
con entusiasmo questo invito e colgo l'occasione per
ringraziarli ancora una volta.

Dear and Beloved,
from the moment of my candidacy, I invited each of you
in a constructive dialogue on the future of our
university. Many have welcomed with enthusiasm the
invitation and I take this opportunity to thank them once
again.

È sbagliato?

CAT: AN UMBRELLA TERM

- Productivity tools
 - Terminology management
 - Machine translation
 - (Language and content) information mining
-

IN A NUTSHELL...

- Collect large amounts of texts



IN A NUTSHELL...

- Collect large amounts of texts
 - Manually vs. **Semi-automatically**



The image shows a screenshot of the BootCaT website and a social media post. The website has a blue header with the title "BootCaT" and the subtitle "Simple Utilities to Bootstrap Corpora And Terms from Web". A cartoon cat is in the top right. Below the header is a navigation bar with buttons: HOME, DOWNLOAD STUFF, INSTALLATION CONTACTS, LICENSE & CREDITS DOCUMENTATION, and ACADEMIC. A "QUICK START" section is visible, with the text "How to build your first corpus in no time:" and a bullet point: "• download and install the BootCaT frontend". To the right is a social media post for "BootCaT" with 269 likes, showing a terminal window with code and a "Share" button.

BootCaT
Simple Utilities to Bootstrap Corpora And Terms from Web

HOME DOWNLOAD STUFF INSTALLATION CONTACTS LICENSE & CREDITS DOCUMENTATION ACADEMIC

QUICK START
How to build your first corpus in no time:

- **download** and install the BootCaT frontend

BootCaT
269 likes
Liked Share

IN A NUTSHELL...

- Collect large amounts of texts
 - Manually vs. Semi-automatically
 - **General** vs. Specialized

Titolo 1–20	Citata da	Anno
<p>The WaCky wide web: a collection of very large linguistically processed web-crawled corpora</p> <p>M Baroni, S Bernardini, A Ferraresi, E Zanchetta</p> <p>Language resources and evaluation 43 (3), 209-226</p>	485	2009

IN A NUTSHELL...

- Collect large amounts of texts
 - Manually vs. Semi-automatically
 - General vs. Specialized
- (Clean), Categorize, Annotate, Index

IN A NUTSHELL...

- Collect large amounts of texts
 - Manually vs. Semi-automatically
 - General vs. Specialized
- (Clean), Categorize, Annotate, Index
- Interrogate

INTRODUCING *THE RECTOR'S CORPORA*

INTRODUCING *THE RECTOR'S CORPORA*

- Academic politics
 - Texts from G. Fiorentini's and F. Ubertini's websites

Downloaded manually

	Fiorentini	Ubertini
Texts	26	7
Words	38,312	15,904

INTRODUCING *THE RECTOR'S CORPORA*

- Academic politics
 - Texts from G. Fiorentini's and F. Ubertini's websites
- Press coverage (June-Present)

Downloaded automatically

Texts	72
Words	27,477

INTRODUCING *THE RECTOR'S CORPORA*

- Academic politics
- Engineering
 - Articles from the *International Journal of Solids and Structures*

Downloaded automatically

Texts	498
Words	455,747

INTRODUCING *THE RECTOR'S CORPORA*

- Academic politics
- Engineering
 - Articles from the *International Journal of Solids and Structures*
 - Papers by authors from DICAM and from UK engineering Dept's

Downloaded manually

	UNIBO	UK
Texts	28	26
Words	130,497	152,101
Metadata	University, Date, Author	

ACTIVITY 1

Hot topics in the electoral campaign

Word list options ?

Campagna elettorale
Prof. Ubertini

Search attribute:

☐ use n-grams. Value of n: 2 ?

Filter options:

Filter word list by: Regular expression: ?

Minimum frequency: 5

Maximum frequency: 0 (0 = no maximum frequency)

Whitelist: no file selected

Blacklist: no file selected [format](#)

☐ Include non-words

Output options:

Frequency figures: ☒ Hit counts ☐ Document counts ☐ ARF

Output type: ☐ Simple

☒ Keywords

Referenced corpus:

itWaC1

(whole corpus)

Prefer words: 100

☐ Change output attribute(s)

You can select one or more output attributes. Please note that this option can be time-consuming.

What are the typical words of the Rector's electoral campaign, when compared to **general Italian**?

Word list

Corpus: *campagna-elettorale_ubertini*

Reference corpus: *itwac1*

[Switch focus and reference \(sub\)corpus](#)

Page [Next >](#)

word	<i>campagna-elettorale_ubertini</i>		<i>itwac1</i>		Score
	Freq	Freq/mill 	Freq	Freq/mill	
Ateneo	89	4948.3	1,673	18.0	42.8
Alma	36	2001.6	146	1.6	20.7
Mater	35	1946.0	148	1.6	20.1
Dipartimenti	32	1779.2	442	4.7	17.9
studenti	66	3669.5	10,952	117.6	17.3
didattica	47	2613.1	5,379	57.7	17.2
Campus	23	1278.8	210	2.3	13.5
efficace	30	1668.0	4,689	50.3	11.8
amministrativi	25	1390.0	2,898	31.1	11.4
ricerca	89	4948.3	35,607	382.3	10.5
ricercatori	24	1334.4	3,560	38.2	10.4
docenti	30	1668.0	6,587	70.7	10.4
Rettore	18	1000.8	916	9.8	10.0
tecnici	26	1445.6	6,401	68.7	9.2
nostra	57	3169.1	24,842	266.7	8.9
assetto	18	1000.8	2,289	24.6	8.8
nostro	66	3669.5	30,924	332.0	8.7
sedi	19	1056.4	3,513	37.7	8.4

Word list options ?

Corpus:

Subcorpus: [create new](#) ?

Search attribute:

☐ use n-grams. Value of n: ?

Filter options:

Filter word list by: Regular expression:

Minimum frequency:

Maximum frequency: (0 = no maximum frequency)

Whitelist: no file selected

Blacklist: no file selected

[format](#)

☐ Include non-words

Output options:

Frequency figures: ☒ Hit counts ☐ Document counts ☐ ARF

Output type: ☐ Simple

☒ Keywords

Refer

Refer:

☐ Change output attribute(s)

You can select one or more of the following attributes:
consuming.

Rassegna stampa

What are the typical words of the Rector's electoral campaign, when compared to **press reports** on the same topic?

Word list

Corpus: *campagna-elettorale_ubertini*

Reference corpus: *rassegna-stampa_rettore-unibo*

[Switch focus and reference \(sub\)corpus](#)

Page [Next >](#)

<i>campagna-elettorale_ubertini</i>			<i>rassegna-stampa_rettore-unibo</i>		Score
lc	Freq	Freq/mill ?	Freq	Freq/mill	
efficace	30	1668.0	0	0.0	17.7
devono	31	1723.6	1	35.4	13.5
supporto	21	1167.6	0	0.0	12.7
competenze	19	1056.4	0	0.0	11.6
valutazione	33	1834.8	2	70.8	11.3
garantire	16	889.6	0	0.0	9.9
genere	15	834.0	0	0.0	9.3
donne	15	834.0	0	0.0	9.3
servizi	48	2668.7	6	212.3	8.9
risorse	24	1334.4	2	70.8	8.4
piano	13	722.8	0	0.0	8.2
indispensabile	13	722.8	0	0.0	8.2
formazione	44	2446.3	6	212.3	8.2
sviluppo	18	1000.8	1	35.4	8.1
servizio	18	1000.8	1	35.4	8.1
programmazione	18	1000.8	1	35.4	8.1
attenzione	18	1000.8	1	35.4	8.1
organizzazione	22	1223.2	2	70.8	7.7
reclutamento	17	945.2	1	35.4	7.7
medica	12	667.2	0	0.0	7.7

Word list options ?

Corpus: ?

Subcorpus: [create new](#) ?

Search attribute: ?

☐ use n-grams. Value of n: ?

Filter options:

Filter word list by: Regular expression: ?

Minimum frequency:

Maximum frequency: (0 = no maximum frequency)

Whitelist: no file selected

Blacklist: no file selected [format](#)

☐ Include non-words

Output options:

Frequency figures: ☒ Hit counts ☐ Document counts ☐ ARF

Output type: ☐ Simple

☒ Keywords

Referent: ?

☐ Change output attribute(s)

You can select a
consuming.

**Campagna elettorale
Prof. Fiorentini**

What are the typical words of the Rector's electoral campaign, when compared to **another candidate's electoral campaign**?


Word list

Corpus: *campagna-elettorale_ubertini*

Reference corpus: *campagna-elettorale_florentini*

[Switch focus and reference \(sub\)corpus](#)

Page [Next >](#)

	<i>campagna-elettorale_ubertini</i>		<i>campagna-elettorale_florentini</i>		
lc	Freq	Freq/mill 	Freq	Freq/mill	Score
programmi	12	667.2	1	23.0	6.2
eccellenza	14	778.4	2	46.0	6.0
ssr	9	500.4	0	0.0	6.0
ottica	9	500.4	0	0.0	6.0
disciplinare	8	444.8	0	0.0	5.4
razionalizzazione	7	389.2	0	0.0	4.9
eur	7	389.2	0	0.0	4.9
azienda	7	389.2	0	0.0	4.9
attivamente	8	444.8	1	23.0	4.4
donne	15	834.0	5	114.9	4.3
vera	6	333.6	0	0.0	4.3
turnover	6	333.6	0	0.0	4.3
scegliamo	6	333.6	0	0.0	4.3
prestigiosi	6	333.6	0	0.0	4.3
incisive	6	333.6	0	0.0	4.3
fiorentini	6	333.6	0	0.0	4.3
condizione	6	333.6	0	0.0	4.3
clinica	6	333.6	0	0.0	4.3
assetto	22	1223.2	9	206.8	4.3
maggiormente	11	611.6	3	68.9	4.2

ACTIVITY 2

Terminology and phraseology in *Materials science and engineering*

What are the most frequent words in scientific articles in *Materials science and engineering*?

Word list

Corpus: solids-structures_journal

Page [Next >](#)

the

eq	
	679
or	19,586
and	14,175
in	9,618
a	9,502
to	8,519
is	7,025
for	4,566
by	3,623
et	3,618
are	3,462
with	3,111
on	2,937
al.	2,899
that	2,877
as	2,609
this	2,442
be	2,184
an	2,033
which	1,503
	493
	343
material	1,330
at	1,327
stress	1,327
it	1,301
or	1,292
model	1,286

crack

Solids and structures corpus

Simple query:

Make Concordance

[Query types](#) [Context](#) [Text types](#) [?](#)

Query type ☐ simple ☐ lemma ☐ phrase ☒ word ☐ character ☐ CQL

Lemma:

Phrase:

Word form: ☐ match case

Character:

CQL: Default attribute:

[Tagset summary](#)

Context

Lemma filter

Window: tokens.

Lemma(s): of these items.

Make Concordance

Clear All



Query **crack** 1,493 (2,976.48 per million)

Page of 38 [Go](#) [Next](#) | [Last](#)

#3986 can intensify risks of material creep , **crack** initiation and propagation , and failure
#5387 presented . 1. Introduction The simulation of **crack** initiation and propagation has always been
#5418 medium , the finite element simulation of **crack** initiation is rather well understood .
#5458 However , even if it is possible to predict **crack** propagation with this framework , this
#5480 refined meshes along the whole (unknown) **crack** path to be predictive . Some authors have
#5563 have been obtained in the simulation of **crack** propagation by the development of the X-FEM
#5650 functions describing the fields near the **crack** tip are not valid . This paper is devoted
#5821 results in the creation of a macroscopic **crack** in the material . Thus , there is a transition
#6010 because these are more capable of detecting **crack** initiation than Griffith's model
#6852 fracture the tortuosity of the path of the main **crack** , which dissipates most of the energy ,
#6877 arrangement of aggregates . Therefore , the **crack** paths in concrete subjected to the same
#7616 since a detailed description of the tortuous **crack** patterns is of importance . Because of
#7817 , 1996 . These random fields control the **crack** paths between the discretely modelled aggregates
#9867 its slip plane , has been used to model **crack** discontinuities Smith , 1966 and Weertman
#11037 accompanies sliding of mismatched or misaligned **crack** faces relative to one another . Increasing
#15140 addresses the problem of a Mode III interfacial **crack** advancing quasi-statically in a heterogeneous
#15198 interface is a preferential path for the **crack** . The perturbation analysis is made possible
#15253 evaluate " effective " tractions along the **crack** faces and interface to describe the interaction
#15265 interaction between the main interfacial **crack** and the defects . For a stable propagation
#15276 defects . For a stable propagation of the **crack** , the perturbation of the stress intensity
#15297 is then balanced by the elongation of the **crack** along the interface , thus giving an explicit
#15313 asymptotic formula for the calculation of the **crack** advance . The method is general and applicable
#15331 with general distributed loading on the **crack** faces , taking into account possible asymmetry
#15378 analytical formulae allows for the analysis of **crack** propagation and arrest . Weight function
#15391 1. Introduction Analytic solutions for a **crack** propagating in a homogeneous elastic solid
#15477 effective " tractions applied along the **crack** faces , that is , ideal tractions which
#15624 Muskhelishvili , 2008 . The possible closure of **crack** surfaces and the consequent appearance
#15679 1986 . Asymptotic models of a semi-infinite **crack** interacting with microcracks have been

Terms and phrases with “crack”?

Collocation candidates ?

Attribute: word In the range from: -1 to: 1

Minimum frequency in corpus: 10

Minimum frequency in given range: 10

Show functions: T-score
MI
MI3
log likelihood
min. sensitivity
logDice

Sort by: MI
MI3
log likelihood
min. sensitivity
logDice
MI.log_f

Make candidate list Save options

Collocation candidates

	<u>Frequency</u>	<u>T-score</u>	<u>MI</u>	<u>MI3</u>	<u>log_likelihoood</u>	<u>min. sensitivity</u>	<u>logDice</u>	<u>MI.log_f</u>
P N tips	163	12.708	7.764	22.461	1,587.956	0.109	11.580	39.593
P N crack growth	1051	20.424	856.291	0.069	10.910	32.747		
P N crack propagation	710	18.880	458.149	0.032	9.968	30.007		
P N initiation	55	7.373	7.419	18.981	492.539	0.037	10.137	29.863
P N crack propagation	504	19.390	642.899	0.058	10.617	29.122		
P N crack propagation	364	17.664	301.926	0.021	9.406	26.798		
P N tips	26	5.074	7.666	17.067	245.326	0.017	9.115	25.267
P N opening	28	5.253	7.091	16.706	233.329	0.019	9.198	23.878
P N bridging	18	4.216	7.314	15.654	157.174	0.012	8.590	21.536
P N fatigue	27	5.134	6.379	15.889	193.052	0.018	9.109	21.256
P N penny-shaped	15	3.852	7.544	15.358	137.636	0.010	8.337	20.917
P N semi-infinite	19	4.316	6.663	15.159	144.410	0.013	8.644	19.960
P N interface	44	6.431	5.035	15.953	227.198	0.029	9.535	19.165
P N problems	37	5.809	4.472	14.891	161.864	0.025	9.206	16.269
P N nucleation	13	3.555	6.162	13.563	88.437	0.009	8.099	16.262
P N curved	13	3.554	6.138	13.539	87.968	0.009	8.098	16.200
P N length	26	4.920	4.835	14.236	126.649	0.017	8.887	15.936
P N moving	17	4.031	5.491	13.666	98.632	0.011	8.426	15.871

Terms and phrases with...

Collocation candidates

	<u>Frequency</u>	<u>MI.log_f</u>
<u>P</u> <u>N</u> fatigue	20	29.890
<u>P</u> <u>N</u> creep	8	19.608
<u>P</u> <u>N</u> rate	8	16.178
<u>P</u> <u>N</u> rates	3	10.730
<u>P</u> <u>N</u> dynamic	4	8.893
<u>P</u> <u>N</u> during	3	8.062
<u>P</u> <u>N</u> in	11	6.857
<u>P</u> <u>N</u> behavior	3	6.368
<u>P</u> <u>N</u> .	11	4.016
<u>P</u> <u>N</u> of	11	3.645
<u>P</u> <u>N</u> the	15	3.639
<u>P</u> <u>N</u> is	5	3.240
<u>P</u> <u>N</u> for	3	2.532
<u>P</u> <u>N</u> ,	9	1.330
<u>P</u> <u>N</u> and	3	0.082

“crack growth”

Collocation candidates

	<u>Frequency</u>	<u>MI.log_f</u>
<u>P</u> <u>N</u> laws	8	18.849
<u>P</u> <u>N</u> dynamic	8	15.030
<u>P</u> <u>N</u> constitutive	3	7.919
<u>P</u> <u>N</u> in	11	7.640
<u>P</u> <u>N</u> of	17	6.965
<u>P</u> <u>N</u> can	4	6.739
<u>P</u> <u>N</u> for	6	6.113
<u>P</u> <u>N</u> the	17	5.226
<u>P</u> <u>N</u> are	4	4.541
<u>P</u> <u>N</u> is	5	3.804
<u>P</u> <u>N</u> by	3	3.308
<u>P</u> <u>N</u> .	8	3.234
<u>P</u> <u>N</u> and	6	2.673
<u>P</u> <u>N</u> to	3	1.582
<u>P</u> <u>N</u> ,	6	0.598

“crack propagation”

Terms and phrases with...

Collocation candidates

	<u>Frequency</u>	<u>MI.log_f</u>
<u>P</u> <u>N</u> fatigue	20	29.890
<u>P</u> <u>N</u> creep	8	19.608
<u>P</u> <u>N</u> rate	8	16.178
<u>P</u> <u>N</u> rates	3	10.730
<u>P</u> <u>N</u> dynamic	4	8.893
<u>P</u> <u>N</u> during	3	8.062
<u>P</u> <u>N</u> in	11	6.857
<u>P</u> <u>N</u> behavior	3	6.368
<u>P</u> <u>N</u> .	11	4.016
<u>P</u> <u>N</u> of	11	3.645
<u>P</u> <u>N</u> the	15	3.639
<u>P</u> <u>N</u> is	5	3.240
<u>P</u> <u>N</u> for	3	2.532
<u>P</u> <u>N</u> ,	9	1.330
<u>P</u> <u>N</u> and	3	0.082

“crack growth”

Collocation candidates

	<u>Frequency</u>	<u>MI.log_f</u>
<u>P</u> <u>N</u> laws	8	18.849
<u>P</u> <u>N</u> dynamic	8	15.030
<u>P</u> <u>N</u> constitutive	3	7.919
<u>P</u> <u>N</u> in	11	7.640
<u>P</u> <u>N</u> of	17	6.965
<u>P</u> <u>N</u> can	4	6.739
<u>P</u> <u>N</u> for	6	6.113
<u>P</u> <u>N</u> the	17	5.226
<u>P</u> <u>N</u> are	4	4.541
<u>P</u> <u>N</u> is	5	3.804
<u>P</u> <u>N</u> by	3	3.308
<u>P</u> <u>N</u> .	8	3.234
<u>P</u> <u>N</u> and	6	2.673
<u>P</u> <u>N</u> to	3	1.582
<u>P</u> <u>N</u> ,	6	0.598

“crack propagation”

ACTIVITY 3

Native and International English

Word list options ?

Subcorpus: [CL](#)

Search attribute: word

☐ use n-grams. Value of n: 2 ?

Filter options:

Filter word list by: Regular expression: ?

Minimum frequency: 5

Maximum frequency: 0 (0 = no maximum frequency)

Whitelist: no file selected

Blacklist: no file selected [format](#)

☐ Include non-words

Output options:

Frequency figures: ☐ Hit counts ☐ Document counts ☒ ARF

Output type: ☐ Simple

☒ Keywords

Referenced as

Prefer:

☐ Change output attribute(s)

You can select one or more output attributes. Please note that this option can be time-consuming.

Engineering
texts UNIBO

Engineering
texts UK

What words are used often by
DICAM authors (vs. British ones)?

Word list

Corpus: engineering_unibo

Reference corpus: engineering_uk


[Switch focus and reference \(sub\)corpus](#)

Page

1

Go

[Next >](#)

	engineering_unibo		engineering_uk		
word	ARF	ARF/mill 	ARF	ARF/mill	Score
considered	102.30	699.4	29.00	172.9	1.4
obtained	120.40	823.4	58.90	351.5	1.3
the	6,456.30	44154.0	5,480.60	32698.1	1.3
fact	59.30	405.9	9.10	54.2	1.3
In	296.50	2028.0	223.20	1331.9	1.3
particular	63.20	432.5	18.50	110.4	1.3
while	66.70	456.3	22.20	132.4	1.3
by	629.50	4305.2	527.20	3145.1	1.3
about	62.40	426.7	19.90	118.7	1.3
case	123.20	842.5	75.60	451.0	1.3
concentration	53.50	365.9	12.90	77.0	1.3
same	84.80	580.1	42.40	252.7	1.3
values	111.60	763.3	68.10	406.1	1.3
different	163.20	1116.1	116.20	693.3	1.2
order	101.60	694.8	63.90	381.4	1.2
due	97.30	665.1	61.90	369.5	1.2
one	102.80	702.8	67.70	403.9	1.2
proposed	48.70	332.8	16.70	99.8	1.2
gas	44.70	305.9	13.10	78.0	1.2
account	38.30	262.1	7.50	45.0	1.2

Engineering texts UNIBO in fact

Corpus:
Simple query:

Make Concordance

Query type ☒ simple ☐ lemma ☐ phrase ☐ word ☐ character ☐ CQL

Lemma:

Phrase:

Word form: ☐ match case

Character:

CQL: Default attribute: word ▼

[Tagset summary](#)

Make Concordance

Clear All



Query **in, fact** 54 > Sort **Left** 54 (369.30 per million)

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16 min) + 100 rpm . Both type of assays , **in fact** , show that once a suitable methanol/oil
7 reliability of the analytical model can , **in fact** , be extended to the range of low loading
4 with respect to bromide concentration , **in fact** the exponential decay of the bromide concentration
36 Pelfini & alii , 2007) . The debris cover , **in fact** , is colonized by vegetation , particularly
17 code response spectra . The damper index , **in fact** , can be expressed as a function of the
41 remove such deficiency . It is necessary , **in fact** , to accommodate the shear strains resulting
36 Takahashi , 1982 ; Nakawo & Rana , 1999) . **In fact** , supraglacial debris cover , whenever
1 of the ground control points(Figure 2) . **In fact** , the only available GCPs have been derived
39 size in 1950 (UN-HABITAT Report , 2006) . **In fact** , in recent decades rapid increase in urban
28 reproduce the city elevation appearance . **In fact** , the majority of buildings appears too
9 structural and engineering applications . **In fact** , they show an extremely broad variability
4 reduction of hypobromous acid to bromide . **In fact** , in the pH range (68) used in this
9 important differences among the composites . **In fact** , SEM images indicated that the phenomenon
16 above-described experimental conditions . **In fact** , as reported in Table 8 , in the 50-mm
36 1991-2003 , two opposite trends are evident . **In fact** , from 1975 to 1991 (fig . 3) the volume
36 magnitude and rates than debris free glaciers . **In fact** , an error of $\pm 7.18 \times 10^6$ m³ found for the
38 particular , if the optical thickness is high . **In fact** , in this latter case , by taking into
13 fragments inserted in the sealed holes . **In fact** , due to extremely high salts amount ,
15 analysis the domestic heating impacts . **In fact** , a geothermal heat pump system produces
41 generally not in the element interior . **In fact** , it does not suffice to remove locking

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“in fact” in non-native texts

Query **in, fact** 9 > Sort **Left** 9 (53.70 per million)

59 measured . Fig . 3 shows that the wood was , **in fact** , ground to a smaller particle size when
68 optimization phase (e.g. [17,18]) . **In fact** , when the adaptive nodal connection scheme
68 problem when a unit load is applied) . **In fact** , it will now be demonstrated that it is
69 pattern in gene expression was not observed . **In fact** , in this study , nearly half of the data
56 2008 Directive targets for recovery and **in fact** exceeded recycling targets by 21 % , 2
52 are called freaks in the vernacular are **in fact** predictable . The key point that Draper
68 in figure 1e,f , respectively (which are **in fact** simple two-dimensional tensegrity structures
56 focuses mainly on commercial packaging , can **in fact** be lower in cost than the simpler systems
56 to industry only because producers have **in fact** neglected their responsibility , per the

“in fact” in native texts

“...where evaporation was supposed to be maximum and *in fact* the area appeared less damp and less decayed than the internal sampling area.”

non-native use

“...his paper argues that many waves which are called freaks in the vernacular are *in fact* predictable.”

native use

THANK YOU

A thin, horizontal orange line spans the width of the slide, positioned just below the 'THANK YOU' text.