

Bibliometrics & Visibility

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Université libre de Bruxelles
27 avril 2018



1. Bibliometric indicators

- *Impact Factor – CiteScore*
- *SJR - SNIP*
- *H-index*
- *Altmetrics*

2. Visibility

- Green Open Access
- Social networks
- Gold Open Access





1. Bibliometrics indicators



THREE TYPES

- Quantitative : Researcher or team productivity
- Structural : Connectivity between researchers or fields of research
- « **Qualitative** » : Publication impact
 - Assumption : the better an article is, the more citations it will receive
 - Journals : *Impact Factor, CiteScore, SJR, SNIP*
 - Researchers (and journals) : *h-index*



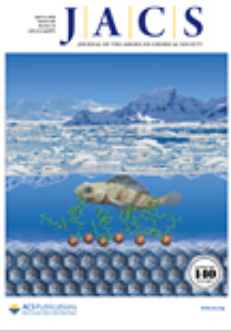
IMPACT FACTOR (IF)

Method of calculation

The 2017 IF of journal X =

*the number of citations in 2017 of all the articles published
in the journal in 2015 and 2016*

*the total number of articles published in the journal
in 2015 and 2016*



Editor-in-Chief:
Peter Stang

Editors & Editorial Board
Recommend this Journal
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Current Issue View Articles ASAP

Total Citations 514,759	Impact Factor 13.858	Articles Published 2,391
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2016 Journal Citation Reports® by Thomson Reuters, 2017



Journal Metrics

CiteScore: **19.82** ⓘ

More about CiteScore

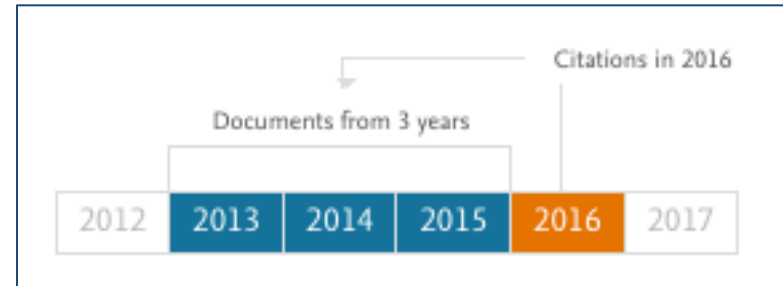
Impact Factor: **17.382** ⓘ

5-Year Impact Factor: **24.055** ⓘ

ISSN: 0360-1285

Same method of calculation as IF but :

- longer citation time window
- data from Scopus





ISSN: 0360-1285

Journal Metrics

CiteScore: **19.82** ^①

More about CiteScore

Impact Factor: **17.382** ^①

5-Year Impact Factor: **24.055** ^①

Use

- Choice of which journal to publish in
- Library acquisition policy

Drawbacks

- Not applicable to each article published in the journal
- « Specialised » research fields
- Citation habits
- Document types
- Manipulation by publishers
- Incomplete sources (and errors)



Scopus

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Display only Open Access journals

37,956 results

Clear filters

Source title	CiteScore	SJR	SNIP	Type
Ca-A Cancer Journal for Clinicians VLink(opens in a new window)	89.23	39.285	67.564	Journal
Chemical Reviews VLink(opens in a new window)	42.79	19.282	10.369	Journal
Chemical Society Reviews VLink(opens in a new window)	35.70	14.994	7.676	Journal
Reviews of Modern Physics VLink(opens in a new window)	35.68	23.543	18.377	Journal

https://www.scopus.com/sources

8

Annual Review of Astronomy and Astrophysics

Scopus coverage years: from 1990 to 2017

Publisher: Annual Reviews Inc.

ISSN: 0066-4146 E-ISSN: 1545-4282

Subject area: Physics and Astronomy: Astronomy and Astrophysics
Earth and Planetary Sciences: Space and Planetary Science

[View all documents >](#)

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[VLink](#)(opens in a new window)

[Visit Scopus Journal Metrics >](#)

CiteScore 2016
35.21

SJR 2016
22.491

SNIP 2016
9.837

CiteScore

CiteScore rank & trend

Scopus content coverage

CiteScore 2016

Calculated using data from 31 May, 2017

35.21 = $\frac{\text{Citation Count 2016}}{\text{Documents 2013 - 2015}^*}$ = $\frac{1\,514\text{ Citations} >}{43\text{ Documents} >}$

*CiteScore includes all available document types

[View CiteScore methodology >](#)

[CiteScore FAQ >](#)

CiteScoreTracker 2017

Last updated on 07 April, 2018
Updated monthly

25.96 = $\frac{\text{Citation Count 2017}}{\text{Documents 2014 - 2016}}$ = $\frac{1\,246\text{ Citations to date} >}{48\text{ Documents to date} >}$

CiteScore rank

Category	Rank	Percentile
Physics and Astronomy	#1/70	99th
Astronomy and Astrophysics		
Earth and Planetary Sciences	#1/80	99th
Space and Planetary Science		

[View CiteScore trends >](#)



WHERE TO FIND THE *CITESCORE* ?

CiteScore **CiteScore rank & trend** Scopus content coverage

CiteScore rank ⓘ 2016



In category: Astronomy and Astrophysics



★	#1	Annual Review of Astronomy and Astrophysics	35.21	99th percentile
	70			
	Rank	Source title	CiteScore 2016	Percentile
★	#1	Annual Review of Astronomy and Astrophysics	35.21	99th percentile
	#2	Living Reviews in Solar Physics	11.59	97th percentile
	#3	Astrophysical Journal, Supplement Series	8.95	96th percentile
	#4	Annual Review of Earth and Planetary Sciences	8.27	95th percentile
	#5	Astronomy and Astrophysics Review	7.03	93rd percentile
	#6	Space Science Reviews	6.45	92nd percentile
	#7	Physics of the Dark Universe	5.72	90th percentile
	#8	Astrophysical Journal	5.26	89th percentile
	#9	Publications of the Astronomical Society of the Pacific	4.60	87th percentile
	#10	Astrophysical Journal Letters	4.45	86th percentile
	#11	New Astronomy Reviews	4.31	85th percentile

SCImago Journal Rank (SJR)

- measures weighted citations received by the serial. Citation weighting depends on subject field and prestige (SJR) of the citing serial
- citation time window of 5 years

Source Normalized Impact per Paper (SNIP)

- measures actual citations received relative to citations expected for the journal's subject field
- citation time window of 5 years

+ = correction in relation to the research fields

- = complex calculation, thus results difficult to validate

WHERE TO FIND THE *SJR*?

- on Scopus but also there :

SJR

Scimago Journal & Country Rank

Enter Journal Title, ISSN or Publisher Name

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Journal Rankings

Country Rankings

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All subject categories

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All types

2016

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Display journals with at least 0

Citable Docs. (3years)

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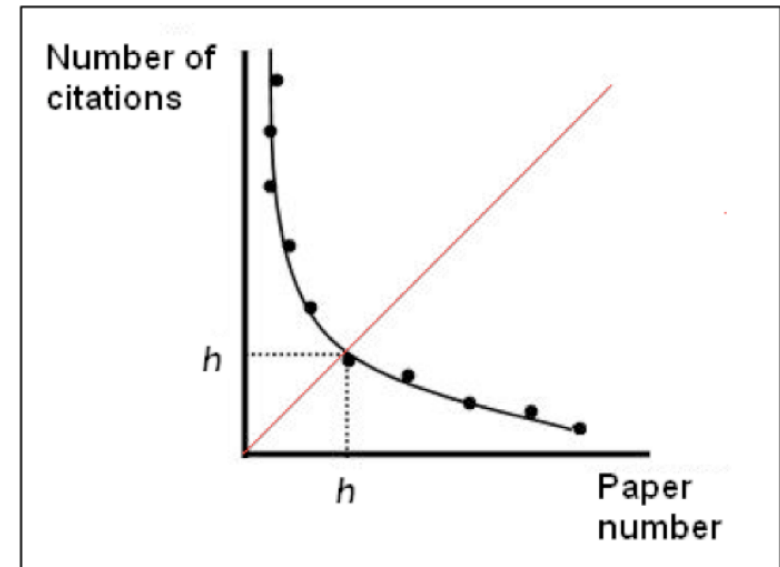
1 - 50 of 4363

Title	Type	↓ SJR	H index	Total Docs. (2016)	Total Docs. (3years)	Total Refs.	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc.
1 Nature Biotechnology	journal	20.253 Q1	361	335	1160	6404	15185	559	23.88	19.12
2 Nature Nanotechnology	journal	18.746 Q1	242	232	775	7534	16846	558	28.68	32.47
3 Nature Materials	journal	18.032 Q1	356	297	862	8374	20048	659	30.44	28.20
4 Materials Science and Engineering: R: Reports	journal	8.947 Q1	116	13	36	4657	1081	36	28.48	358.23
5 Advanced Materials	journal	8.364 Q1	387	1272	3298	69270	52352	2825	17.75	54.46

<http://www.scimagojr.com/journalrank.php>

H-INDEX

- Focus (originally) on individual researchers
- An author has a h-index of h if h of his/her articles have been cited at least h times
- Hirsch's interpretation :
 - $h\text{-index} = 20$: successful
 - $h\text{-index} = 40$: outstanding
 - $h\text{-index} = 60$: truly unique



Drawbacks

- Research fields
- Citation habits
- The order in which the authors are credited
- Stage of career

BUT

- Not impacted by accidental non-citations or excessively high number of citations



☐ Show exact matches only

☒ Show profile matches with one document

Limit to Exclude



- Page Show documents View citation overview Request to merge authors

Sort on: Document count (high-low) 15

WHERE TO FIND THE *H-INDEX*?

This is an overview of citations for this author.

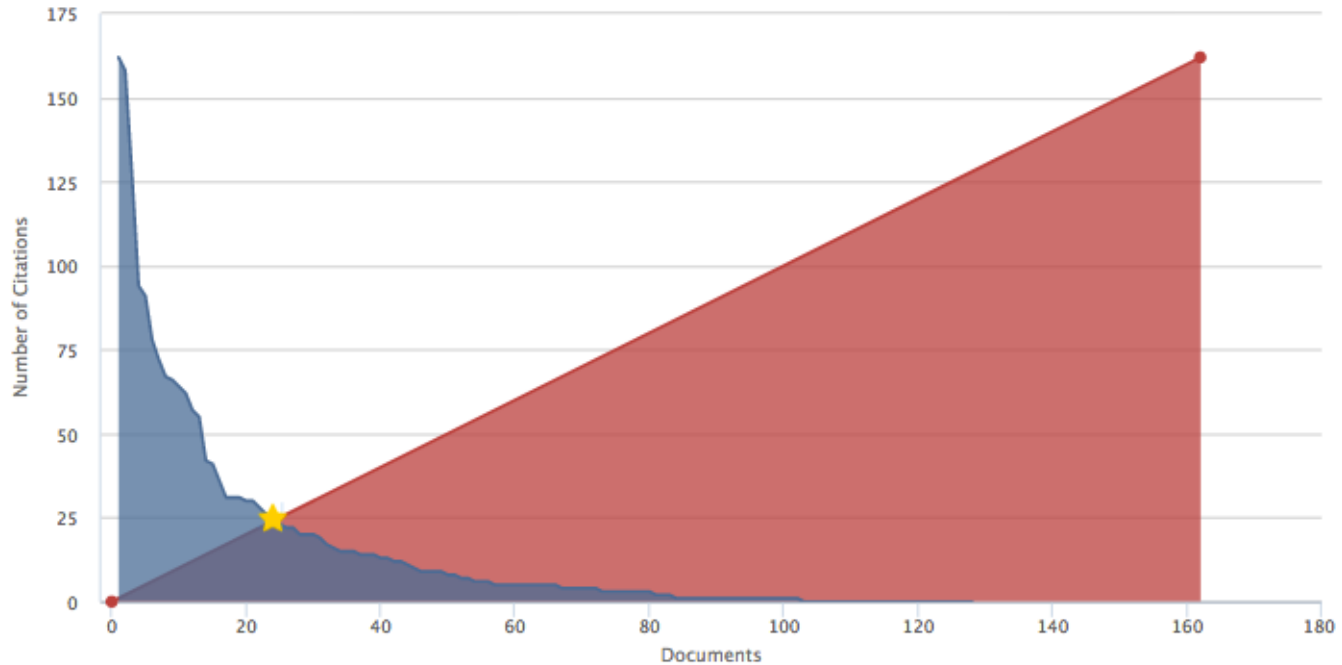
128 Cited Documents from "Bersini, Hugues" [+ Add to list](#)

Author *h-index* : 24

[View *h-graph* ?](#)

This author's *h-index* is 24

The *h-index* is based upon the number of documents and number of citations.



WHERE TO FIND THE *H-INDEX*?



Profils utilisateurs correspondant à "hugues bersini"



Hugues Bersini

Professor of Computer Science - Université Libre de Bruxelles

Adresse e-mail validée de ulb.ac.be

Cité 5497 fois

Hybridizing genetic algorithms with hill-climbing methods for global optimization: two possible ways

JM Renders, [H Bersini](#) - ... of the First IEEE Conference on, 1994 - [ieeexplore.ieee.org](#)

Two methods of hybridizing genetic algorithms (GA) with hill-climbing for global optimization are investigated. The first one involves two interwoven levels of optimization-evolution (GA) and individual learning (hill-climbing)-which cooperate in the global optimization process ...

☆ 77 Cité 259 fois Autres articles Les 3 versions Importer dans BibTeX »»



Hugues Bersini

Professor of Computer Science - [Université Libre de Bruxelles](#)

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Artificial Intelligence

SUIVRE

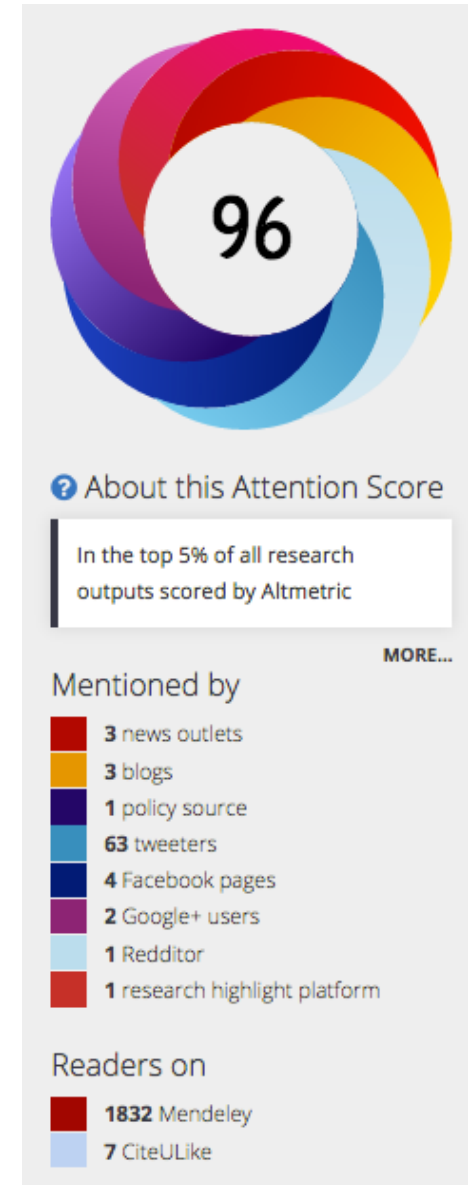
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	Toutes	Depuis 2013
Citations	5497	1836
indice h	38	21
indice i10	102	40

ALTMETRICS

- Alternative to « qualitative » bibliometric indicators
- Applicable to individuals and what they publish (articles, books, chapters, proceedings, etc.)
- Usages/views, saves, downloads or mentions in social media.
- Equivalent :



19

ALTMETRIC BOOKMARKLET

1. Add bookmarklet to your bookmarks toolbar
2. Visit any paper
3. Get article level metrics with a single click



CONCLUSIONS

- Do not use just one indicator to evaluate a journal or a researcher
- Do not compare :
 - Journals from different research fields
 - Researchers from different research fields
 - Research teams of different sizes and from different research fields





2. Visibility



VISIBILITY – OA – BIBLIOMETRICS

Increase the visibility of your article

How ?

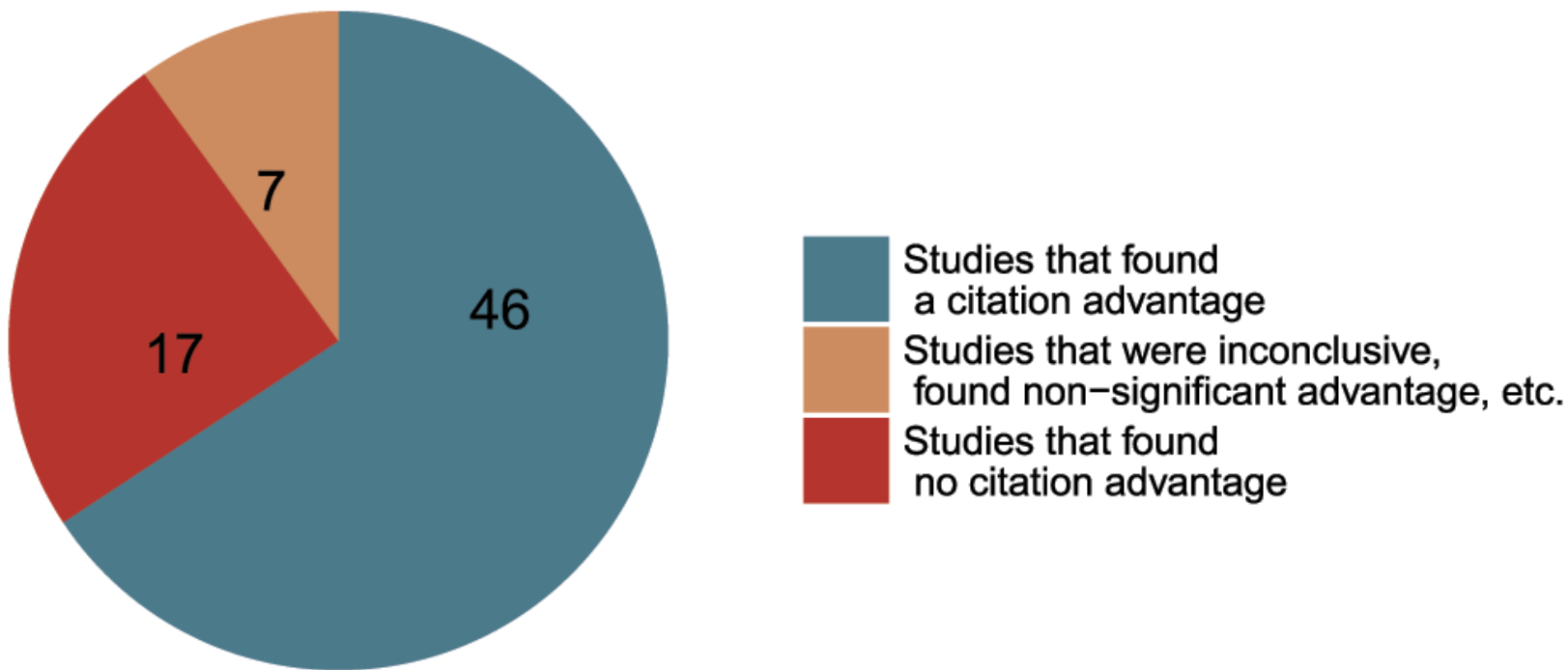
- By ensuring the widest accessibility (via OA)

Result :

- Increase its potential citability



OPEN ACCESS CITATION ADVANTAGE



Studies published until 2015 that investigated the citation advantage grouped by their conclusion



MAKE YOUR WORK OPEN ACCESS

= Ensure the widest accessibility

2 ways to make your work Open Access

- **Green OA** : deposit your articles in electronic open archives
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 - Content accessibility : indexation by search engines
- **Gold OA** : publish your articles in OA journals
 - Peer-reviewed scientific journals but other business models (e.g. APC)
 - Entire journals in OA
 - OA options offered by some traditional publishers (*hybrid journals*)



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49 documents ont été repérés pour la recherche "nanotechnology".
Voyez ci-dessous les numéros 1 à 20.

Tri

1 2 3 Suivant »

Nanoscale topographical control of capillary assembly of nanoparticles

par Flauraud, Valentin;Mastrangeli, Massimo ;Bernasconi, Gabriel D;Butet, Jérémy;Alexander, Duncan;Shahrabi, Elmira;Martin, Olivier;Brugger, Juergen

Référence Nature Nanotechnology, 12, page (73–80)

Publication Publié, 2017

Article révisé par les pairs [Accès en ligne](#)

Neurological implants and artificial intelligence: a reasonable technology?",

par Missa, Jean-Noël 

Référence International Interdisciplinary Workshop "Moral Machines: Developments and Relations. Nanotechnologies and Hybridity (May 18–19 2016: Unesco House, Paris)

Publication Non publié, 2016–05–18

Communication à un colloque [Détails](#)

Nanotechnologies et technologies convergentes

par Kermisch, Céline 

Editeur scientifique Hottois, Gilbert 

Référence Humain, transhumain, posthumain. L'homme et ses préfixes, Vrin, Paris

Publication Publié, 2015

Partie d'ouvrage collectif [Détails](#)

Nanomaterial Applications in Multiple Sclerosis Inflamed Brain

Raffiner la recherche

Dépôt d'origine

ULB-DI (49)

Format

Article révisé par les pairs (27)

Communication à un colloque (9)

Partie d'ouvrage collectif (3)

Thèse de doctorat (3)

Publication dans des actes (2)

plus...

Auteur

Kermisch, Céline (12)

Pinsart, Marie-Geneviève (4)

Valkenier, Hennie (4)

Delplancke, Marie-Paule (3)

Demoisson, Frédéric (3)

plus...

Date de publication

2011 (9)

2012 (9)

×

🔍

RECHERCHE AVANCÉE

8 Résultats

1



ARTICLE

Harnessing Laccases for the Synthesis of Bisphenol A Biopolymers

Hautphenne, Catherine; Debaste, Frédéric 2015-07

Chemical engineering & technology, 38 (7)

[Accès en ligne](#)

🔖

✉

📌

⋮

Harnessing Laccases for the Synthesis of Bisphenol A Biopolymers

par Hautphenne, Catherine ; Debaste, Frédéric 

Référence Chemical engineering & technology, 38, 7, page (1223-1228)

Publication Publié, 2015-07

Article révisé par les pairs

ACCÈS EN LIGNE

DÉTAILS

CONTENU

STATISTIQUES

Fichier(s) déposé(s)

Fichier	Version	Accès	Description	Droits d'auteur
217344.pdf	Version publiée		Œuvre complète ou partie de l'œuvre	Protégé

28

LIST OF PUBLICATIONS

For visitors

Harnessing Laccases for the Synthesis of Bisphenol A Biopolymers

par Hautphenne, Catherine ; Debaste, Frédéric 
Référence Chemical engineering & technology, 56, 7, page (1223–1228)
Publication Publié, 2015–07
Article révisé par les pairs Accès en ligne

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Format de fichier : PDF (par défaut)

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Inclure les liens vers le texte intégral : ☒ Oui (Non est la valeur par défaut)

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Liste de publications de Frédéric Debaste

Articles dans des revues avec comité de lecture

A paraître

Gerard, P., Mpawenayo, R., Douzane, M., & Debaste, F. (2016). Influence of climatic conditions on evaporation kinetics and convective mass transfer coefficients on a compacted silt. *Environmental geotechnics*.

2017

Haut, B., Cockx, A., Debaste, F., Delvigne, F., Thomas, D., & Toye, D. (2017, octobre). The future of multiphase reactor engineering - 13th international conference on gas-liquid and gas-liquid-solid reactor engineering. *Chemical engineering science*, 170, 1-2. doi:10.1016/j.ces.2017.05.042

 https://dipot.ulb.ac.be/dspace/bitstream/2013/259054/1/Elsevier_242681.pdf

2016

Blavier, J., Hautphenne, C., Songulashvili, G., Simon, C., Penninckx, M., Flahaut, S., Scippo, M. L., & Debaste, F. (2016, décembre 16). Assessment of methods of detection of urban wastewaters estrogenic activity in order to develop a process of enzymatic

LIST OF PUBLICATIONS

For ULB researchers

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- A la carte



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Liste de publications de Frédéric Debaste

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2017
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 https://dipot.ulb.ac.be/dspace/bitstream/2013/259054/1/Elsevier_242681.pdf

2016
Blavier, J., Hautphenne, C., Songulashvili, G., Simon, C., Penninckx, M., Flahaut, S., Scippo, M. L., & Debaste, F. (2016, décembre 16). Assessment of methods of detection of urban wastewaters estrogenic activity in order to develop a process of enzymatic

Since January 2013 = only official list! All requests for contract renewal, promotion or fundings must be accompanied by a list of publications from DI-fusion



Jean-Frédéric MORIN

Chargé de cours

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1050 Bruxelles, Belgique

Contact

jmorin@ulb.ac.be



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- **POLI-D-445** - Économie politique internationale
(5 ECTS)
- **POLI-D-514** - Séminaire de théorie, de méthodologie et de sciences politiques
(10 ECTS)

Travaux sélectionnés

- Morin, J-F and R. Gold, "An Integrated Model of Legal Transplantation: The Diffusion of Intellectual Property Law in Developing Countries", *International Studies Quarterly*, accepted for publication.
- Morin, J-F, "Paradigm Shift in the Global IP Regime: The Agency of Academics" *Review of International Political Economy*, accepted for publication.
- Morin, J-F., *Politique étrangère : Théories, méthodes et références*, Paris, Armand Colin, collection U, 2013
- Morin, J-F et A. Orsini, "Policy Coherency and Regime Complexes: The Case of Genetic Resources", *Review of International Studies*, 2014

Travaux sélectionnés

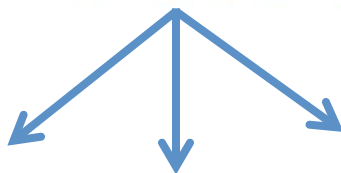
- Morin, J-F and R. Gold, "An Integrated Model of Legal Transplantation: The Diffusion of Intellectual Property Law in Developing Countries", *International Studies Quarterly*, accepted for publication.
- Morin, J-F, "Paradigm Shift in the Global IP Regime: The Agency of Academics" *Review of International Political Economy*, accepted for publication.
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- Morin, J-F et A. Orsini, "Policy Coherency and Regime Complexes: The Case of Genetic Resources", *Review of International Studies*, 2014
- Orsini, A, J-F Morin et O.R. Young "Regime Complexes: A Buzz, A Boom or a Boost for Global Governance?" *Global Governance*, vol. 19, 2013, p. 27-39
- Morin, J-F., "The Life-Cycle of Transnational Issues: Lessons from the Access to Medicines Controversy", *Global Society*, vol. 25(2), 2011, p. 227-247.
- Morin, J-F., "The Two-Level Game of Transnational Network", *International Interactions*, vol. 36(4), 2010, p. 309-334
- Morin, J-F. et R. Gold, "Consensus-Seeking, Distrust, and Rhetorical Action", *European Journal of International Relations*, vol. 16(4), 2010, p. 563-587
- Morin, J-F., "Multilateralising TRIPs-Plus Agreements: Is the US Strategy a Failure?", *Journal of World Intellectual Property*, vol. 12(3), 2009, p. 175-197

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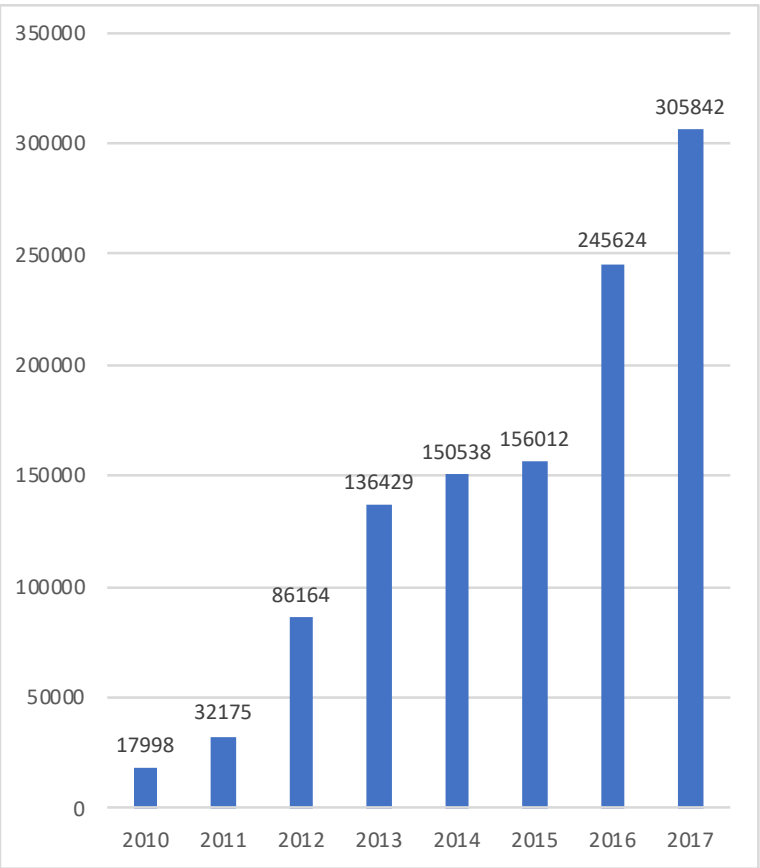
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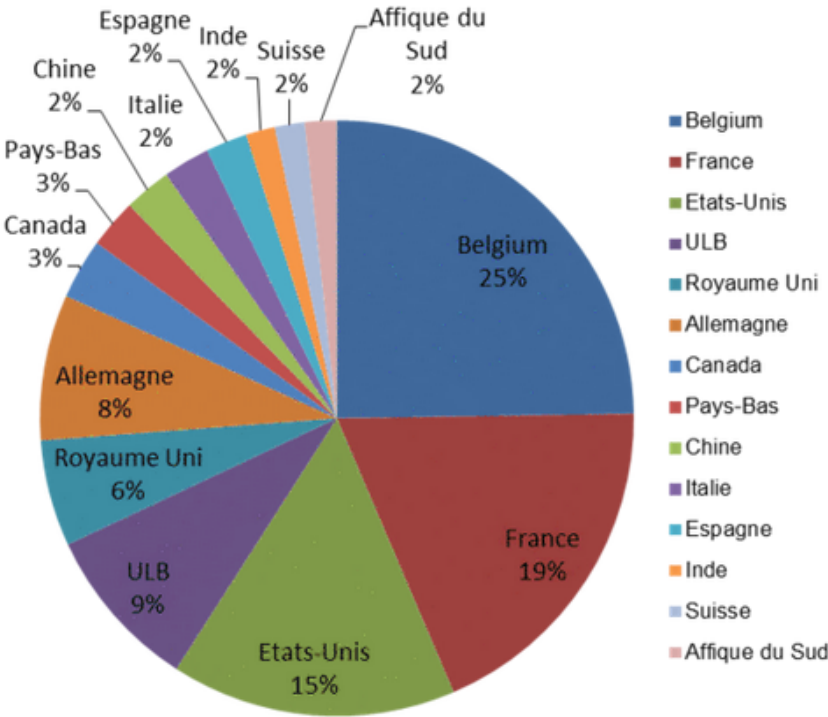
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Origin of downloads



GOOGLE SCHOLAR

Harnessing laccases for the synthesis of bisphenol A biopolymers

C Hautphenne, F Debaste - Chemical engineering & technology, 2015 - difusion.ulb.ac.be

Résumé: Oxidative enzymes like laccases are good candidates for the synthesis of biopolymers. Laccases are able to catalyze polymerization of bisphenol A (BPA) to produce BPA oligomers without addition of extra oxygen or mediators in reaction media. A ...

📄 Importer dans BibTeX



Google Scholar

 **Frédéric Debaste** [SUIVRE](#)

Université Libre de Bruxelles
Adresse e-mail validée de ulb.ac.be - [Page d'accueil](#)
Chemical engineering Food engineering Environmental engineering

TITRE	CITÉE PAR	ANNÉE
A new modeling approach for the prediction of yeast drying rates in fluidized beds F Debaste, V Halluin, L Bossart, B Haut Journal of food engineering 84 (2), 335-347	24	2008
Antioxidant potential of hydrolyzed polyphenolic extracts from tara (Caesalpinia spinosa) pods F Chambi, R Chirinos, R Pedreschi, I Betalleluz-Pallardel, F Debaste, ... Industrial Crops and Products 47, 168-175	23	2013
Contribution to the modelling of chocolate tempering process F Debaste, Y Kegelaers, S Liégeois, HB Amor, V Halluin Journal of food engineering 88 (4), 568-575	23	2008
Potential of tara (Caesalpinia spinosa) gallotannins and hydrolysates as natural antibacterial compounds A Aguilar-Galvez, G Noratto, F Chambi, F Debaste, D Campos Food chemistry 156, 301-304	21	2014
Impact of limited drying on Momordica cochinchinensis Spreng. aril carotenoids content and antioxidant activity HC Mai, V Truong, B Haut, F Debaste Journal of food engineering 118 (4), 358-364	21	2013

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Harnessing Laccases for the Synthesis of Bisphenol A Biopolymers

par Hautphenne, Catherine ; Debaste, Frédéric

Référence Chemical engineering & technology, 38, 7, page (1223-1228)
Publication Publié, 2015-07
Article révisé par les pairs

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Fichier(s) déposé(s)				
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217344.pdf	Version publiée		Œuvre complète ou partie de l'œuvre	Protégé

  Mon profil  Ma bibliothèque

CONNEXION

Google Scholar

Google

Scholar

Étape 1 : profil

Étape 2 : articles

Étape 3 : mises à jour

Effectuez le suivi des citations de vos publications. Lorsqu'un internaute lance une recherche sur votre nom dans Google Scholar, vous pouvez apparaître dans les résultats.

Nom

Utilisez votre nom complet tel qu'il apparaît dans vos articles. Par exemple : Marjorie Belin.

Affiliation

Exemples : professeur d'informatique, Université de Strasbourg

Adresse e-mail validée

Utilisez une adresse e-mail rattachée à votre établissement (exemple : votrenom@hec.fr).

Domaines d'intérêt

Exemples : intelligence artificielle, biologie de la conservation, modèle APT

Page d'accueil

Par exemple : <http://example.edu/~votrenom>

Étape suivante



Scholar

Sélectionner

Ajouter

Étape 1 : profil

Étape 2 : articles

Étape 3 : mises à jour

Ajouter des groupes d'articles

Recherchez des articles que vous avez écrits et ajoutez-les à votre profil. Vous pourrez ensuite modifier ou supprimer ces articles, ou en ajouter d'autres.

Ajouter des articles

Actuellement ajoutés :

Articles 0

Citations 0

☐ **Prognostic value of right ventricular dysfunction in patients with haemodynamically stable pulmonary embolism: a systematic review**
O Sanchez, L Trinquart, I Colombet, P Durieux... - European heart journal, 2008

☐ **Effects of financial incentives on medical practice: results from a systematic review of the literature and methodological issues**
C Chaix-Couturier, I Durand-Zaleski, D Jolly, P Durieux - International Journal for Quality in Health Care, 2000

☐ **Systematic review and meta-analysis of strategies for the diagnosis of suspected pulmonary embolism**
PM Roy, I Colombet, P Durieux, G Chatellier, H Sors... - Bmj, 2005

☐ **Health, economic, and quality-of-life effects of erythropoietin and granulocyte colony-stimulating factor for the treatment of myelodysplastic syndromes: a randomized, ...**
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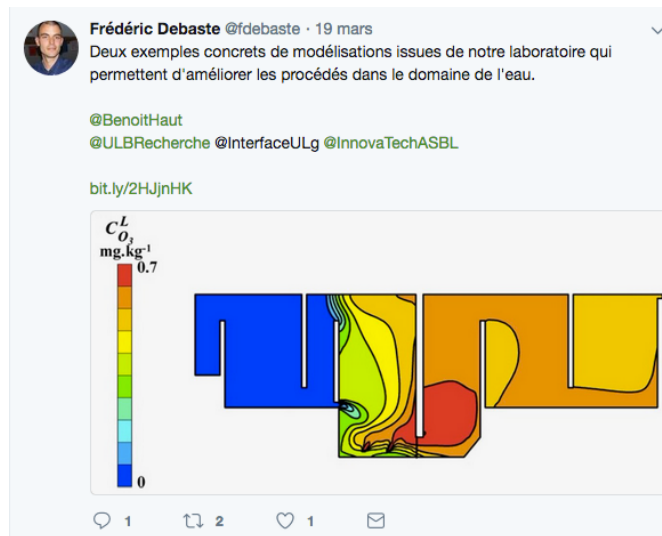


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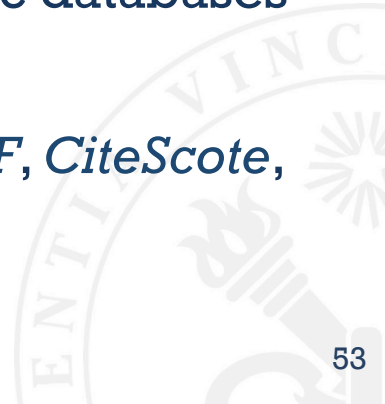


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→ NOT TRUE

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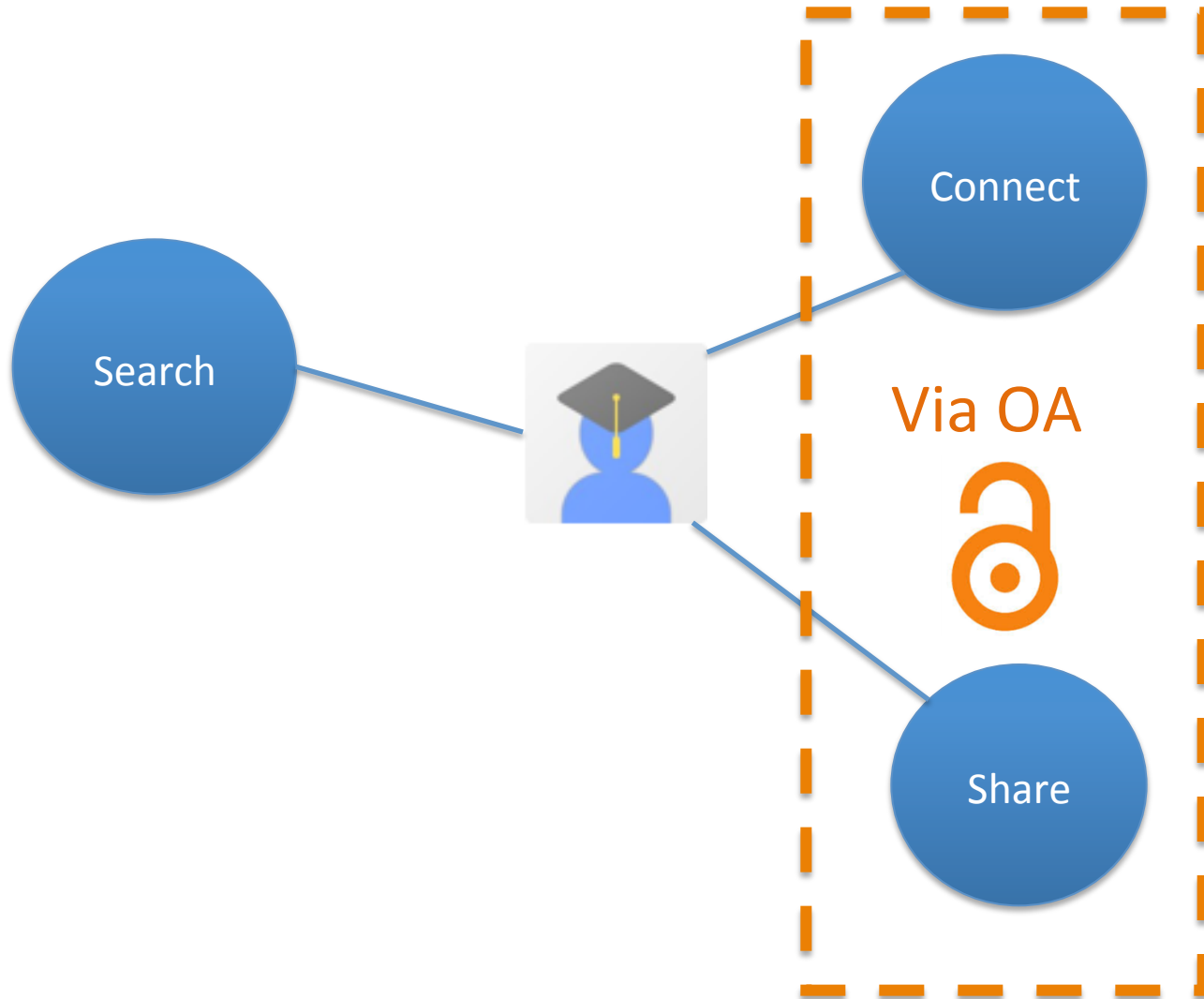
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Further reading

Indicateurs bibliométriques

Gingras Y. (2014). Les dérives de l'évaluation de la recherche. Du bon usage de la bibliométrie. Paris : Raisons d'agir.

Leclercq B, Timmermans B, Zaccai E, Clerbaux B, Hudon M, et Bersini H. (2016). L'évaluation de la recherche en question(s). Bruxelles : Académie royale de Belgique.

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