

# Academic Journals and Conferences

*Lviv Polytechnic National University*

## Chemistry & Chemical Technology

Scientific-Technical Journal

CHEMISTRY & CHEMICAL TECHNOLOGY (Chem.Chem.Technol.; Ch&ChT)

ISSN 1996-4196

Founder and Publisher

Lviv Polytechnic National University, Lviv, Ukraine

Editor-in-Chief

Prof. Michael Bratychak

Executive secretary

Dr. Olena Shyshchak

The journal is currently accepting articles in such field as analytical, general, inorganic, organic and physical chemistry; chemical kinetics and catalysis; biotechnology; chemistry of high molecular compounds; materials science and engineering; technology of inorganic substances and organic synthesis products; chemical technology of processing of combustible minerals; ecology of chemical processes. We are publishing results of scientific works carried out by the leading universities and institutes of Europe, America and Asia.

Starting from 2012 the journal Chemistry & Chemical Technology was accepted for coverage in selected Elsevier products (SCOPUS) (SNIP 2017: 0.762), (SJR 2017: 0.292), included in the Chemical Abstracts Service (CAS databases) and indexed in such databases as IC Journal Master List (ICV 2017: 116.07); Vernadsky National Library; Electronic Journals Library GIGA German Institute of Global and Area Studies - Information Centre, Hamburg; Social Science Research Center Berlin; Vse Nauki; PUBDB DESY Publication Database; ZHdK Medien- und Informationszentrum; Elektronische Zeitschriftenbibliothek; Bielefeld Academic Search Engine (BASE); World Cat; ResearchBib.

Frequency

4 issues per year

Free online full-text access

# Academic Journals and Conferences

*Lviv Polytechnic National University*

[mainpage](#) » [JCCT](#) » Editorial Board

## Editorial Board

1. Prof. Michael Bratychak, D.Sc., Lviv Polytechnic National University – Editor-in-Chief, Ukraine
2. Prof. Volodymyr Starchevskiy, D.Sc., Lviv Polytechnic National University – Deputy Editor-in-Chief, Ukraine
3. Dr. Olena Shyshchak, Lviv Polytechnic National University – Executive Secretary, Ukraine
4. Prof. Zoryan Pikh, D.Sc., Lviv Polytechnic National University, Ukraine
5. Prof. Stanislav Voronov, D.Sc., Lviv Polytechnic National University, Ukraine
6. Prof. Volodymyr Skorokhoda, D.Sc., Lviv Polytechnic National University, Ukraine
7. Prof. Myroslav Malyovanyy, D.Sc., Lviv Polytechnic National University, Ukraine
8. Prof. Volodymyr Novikov, D.Sc., Lviv Polytechnic National University, Ukraine
9. Prof. Iosyp Yatchyshyn, D.Sc., Lviv Polytechnic National University, Ukraine
10. Prof. Roman Gladyshevskii, D.Sc., Ivan Franko National University of Lviv, Ukraine
11. Prof. Borys Zimenkovsky, D.Sc., Danylo Halytsky Lviv National Medical University, Ukraine
12. Prof. Anatoliy Starovoit, D.Sc., Ukrainian Scientific-Industrial Association Ukrkoks, Dnipro, Ukraine
13. Prof. Witold Brostow, D.Sc., University of North Texas, Doctor Honoris Causa of Lviv Polytechnic National University, USA
14. Prof. George Broza, D.Sc., Technical University Hamburg-Harburg, Germany
15. Prof. Victor Castano, D.Sc., National Autonomous University of Mexico, Mexico
16. Prof. Elizabete Lucas, D.Sc., Federal University of Rio de Janeiro, Brazil
17. Prof. Witold Waclawek, D.Sc., University of Opole, Poland
18. Prof. Oleh Suberlyak, D.Sc., Lviv Polytechnic National University, Ukraine
19. Prof. Cemil Ibis, D.Sc., Istanbul University, Turkey
20. Prof. Omari Mukbaniani, D.Sc., Ivane Javakhishvili Tbilisi State University, Georgia

## Chemistry & Chemical Technology Vol. 12, No. 4, 2018

**DOI:**<https://doi.org/10.23939/chcht12.04>

Укр

### Papers

- [Experimental and Theoretical Spectroscopic Study of Thione-Thiol Tautomerism of New Hybrides 1,3,4-Oxadiazole-2-thion with Acridine-9\(10H\)-one](#)  
Yuriy Karpenko, Lyudmila Omelyanchik, Tamara Panasenko
- [New Spectrophotometric Method of Amlodipine Besylate Determination and its Validation](#)  
Marta Sulyma<sup>1</sup>, Svitlana Vasyuk<sup>2</sup>, Yulia Zhuk<sup>2</sup>, Danylo Kaminsky<sup>1</sup>, Olesya Chupashko<sup>1</sup>, Volodymyr Ogurtsov<sup>1</sup>
- [Samarium-Doped Ceria/Yttria-Stabilized Zirconia Composite Prepared by Solid State Reaction](#)  
Fitria Rahmawati<sup>1</sup>, Anang Pandan Respati<sup>1</sup>, Mudjijono<sup>1</sup>, Dani G. Syarif<sup>2</sup>
- [Dielectric Behavior of SBS/Polyaniline Thermally Processable Blends](#)  
Fernando G. Souza Jr.<sup>1, 2</sup>, Bluma G. Soares<sup>1</sup>, Fabiola Silveira<sup>1</sup>, N.M. Renukappa<sup>3</sup>, Siddaramaiah<sup>1, 4</sup>
- [Arylsubstituted Halogen\(thiocyanato\)amides Containing 4-Acetylphenyl Fragment. Synthesis, Cyclization and Antimicrobial Properties](#)  
Vitaliy Baranovskyi<sup>1</sup>, Ruslan Symchak<sup>1</sup>, Olena Pokryshko<sup>2</sup>, Sergiy Klymnyuk<sup>2</sup>, Bogdan Grishchuk<sup>1</sup>
- [Two-Dimensional Mathematical Model for Carbon Monoxide Oxidation Process on the Platinum Catalyst Surface](#)  
Petro Kostrobii, Iryna Ryzha
- [Effect of Phenol-Cresol-Formaldehyde Resin on Adhesive and Physico-Mechanical Properties of Road Bitumen](#)  
Yuriy Demchuk<sup>1</sup>, Iurii Sidun<sup>2</sup>, Volodymyr Gunka<sup>1</sup>, Serhiy Pyshyev<sup>1</sup>, Serhiy Solodky<sup>2</sup>
- [Determination of the Cavitation Influence on the Destruction Process of Microorganism Cells Agglomerates](#)  
Volodymyr Starchevskyy, Nataliya Bernatska, Iryna Typilo, Lilianna Oliynyk, Roman Kvit
- [Influence of Filling on Water Uptake of Films Based on Water-Borne Coating Materials](#)  
Ivan Kas'yanenko, Halyna Neskorozena, Viktor Kramarenko
- [Drug Micro-Carriers Based on Polymers and Their Sterilization](#)  
Renata Cerruti da Costa<sup>1</sup>, Emiliane Daher Pereira<sup>1</sup>, Fabricio Machado Silva<sup>2</sup>, Edgar Oliveira de Jesus<sup>3</sup>, Fernando G. Souza Jr.<sup>1, 4</sup>
- [Effect of Low-Melting Glass on Thermal and Physical Properties of Polymer Composites](#)  
Yaroslav Vakhula, Iryna Lutsyuk, Yuriy Melnyk, Olha Narok
- [Comparative Study of Moringa Oleifera and Citrus Paradisi as Disinfectants and Coagulants for Water Treatment](#)  
Habibu Uthman<sup>1</sup>, Bemgba Nyakuma<sup>2</sup>
- [The Influence of Surfactants on the Physical Properties of Clinkers](#)  
Valentyn Sviderskyi<sup>1</sup>, Volodymyr Tokarchuk<sup>1</sup>, Hanna Fleisher<sup>1</sup>, Inna Trus<sup>2</sup>
- [Combustion Kinetics of Petroleum Coke by Isoconversional Modelling](#)  
Bemgba Nyakuma<sup>1, 2</sup>, Olagoke Oladokun<sup>1, 2</sup>, Aliyu Bello<sup>1, 2</sup>
- [Optimization Studies on Biosynthesis of Citric Acid by One-Factor-at-a-Time](#)  
Anand Kishore Kola<sup>1</sup>, Mallaiiah Mekala<sup>2</sup>, Venkat Reddy Goli<sup>1</sup>
- [Microbiological Composition of the Biofilm on the Metal Surface of Sewage Constructions](#)  
Iryna Kurmakova<sup>1</sup>, Natalia Demchenko<sup>1</sup>, Olena Bondar<sup>1</sup>, Viktoriya Vorobyova<sup>2</sup>
- [Kinetics of Ultrasound-Assisted Extraction of Anthocyanin from Purple Roselle Calyces under different pH Conditions](#)  
Nita Aryanti, Aininu Nafiunisa, Nayunda Bella, Rio Sanjaya, Dyah Hesti Wardhani, Andri Cahyo Kumoro
- [Complex Corrosion Protection of Tubing in Gas Wells](#)  
Sofiya Pinchuk<sup>1</sup>, Galina Galchenko<sup>1</sup>, Aleksey Simonov<sup>2</sup>, Ludmila Masakovskaya<sup>2</sup>, Irina Roslyk<sup>1</sup>
- [Thermochemical Conversion of Coal under Microwave Radiation](#)  
Eugene Malyi, Michael Chemerinskii, Iryna Golub, Mariya Starovoi<sup>t</sup>
- [Peculiarities of Activity Renovation of Zeolite Catalysts Coked in Hexane Cracking](#)  
Lyubov Patrylak, Oleksandra Pertko
- [Solvent-Free Microwave Extraction of Essential Oil from Dried Basil \(\*Ocimum basilicum\* L.\) Leaves](#)  
Heri Septya Kusuma, Ditta Kharisma Yolanda Putri, Intan Ekawati Puspa Dewi, Mahfud Mahfud

< Back to results | < Previous 19 of 50 Next >

Export Download Print E-mail Save to PDF Add to List More... >

View at Publisher

Chemistry and Chemical Technology  
Volume 12, Issue 4, 2018, Pages 523-528

## Kinetics of ultrasound-assisted extraction of anthocyanin from purple roselle calyces under different PH conditions (Article)

Aryanti, N., Nafiunisa, A., Bella, N., Sanjaya, R., Wardhani, D.H., Kumoro, A.C.

Department of Chemical Engineering, Faculty of Engineering, Diponegoro University, Semarang, 50275, Indonesia

### Abstract

[View references \(38\)](#)

This research presents that the higher temperature results on higher extracted anthocyanin. In addition, it was found that pH 2 was preferable for obtaining greater anthocyanin content. Employing the second order kinetics model in this research confirmed the good fitting of the model and experimental data. © Aryanti N., Nafiunisa A., Bella N., Sanjaya R., Wardhani D., Kumoro A., 2018.

### SciVal Topic Prominence

Topic: Anthocyanins | Juices | Anthocyanin degradation

Prominence percentile: 96.853

### Author keywords

Anthocyanin Extraction Kinetics Roselle Ultrasound

ISSN: 19964196

Source Type: Journal

Original language: English

DOI: 10.23939/chcht12.04.523

Document Type: Article

Publisher: Lviv Polytechnic National University

### References (38)

[View in search results format >](#)

All Export Print E-mail Save to PDF Create bibliography

- 1 Parniakov, O., Apicella, E., Koubaa, M., Barba, F.J., Grimi, N., Lebovka, N., Pataro, G., (...), Vorobiev, E.  
Ultrasound-assisted green solvent extraction of high-added value compounds from microalgae *Nannochloropsis* spp.

(2015) *Bioresource Technology*, 198, pp. 262-267. Cited 48 times.

[www.elsevier.com/locate/biortech](http://www.elsevier.com/locate/biortech)

doi: 10.1016/j.biortech.2015.09.020

[View at Publisher](#)

- 2 Thirugnanasambandham, K., Sivakumar, V.  
Microwave assisted extraction process of betalain from dragon fruit and its antioxidant activities (Open Access)

(2017) *Journal of the Saudi Society of Agricultural Sciences*, 16 (1), pp. 41-48. Cited 9 times.

<https://www.journals.elsevier.com/journal-of-the-saudi-society-of-agricultural-sciences/>

doi: 10.1016/j.jssas.2015.02.001

[View at Publisher](#)

Metrics [View all metrics >](#)

1 Citation in Scopus

0.30 Field-Weighted  
Citation Impact



PlumX Metrics

Usage, Captures, Mentions,  
Social Media and Citations  
beyond Scopus.

### Cited by 1 document

Kinetic study of saponin extraction from sapindus rarak DC by ultrasound-assisted extraction methods

Nafiunisa, A., Aryanti, N., Wardhani, D.H.  
(2019) *Bulletin of Chemical Reaction Engineering & Catalysis*

[View details of this citation](#)

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

[Set citation feed >](#)

### Related documents

Kinetic study of saponin extraction from sapindus rarak DC by ultrasound-assisted extraction methods

Nafiunisa, A., Aryanti, N., Wardhani, D.H.  
(2019) *Bulletin of Chemical Reaction Engineering & Catalysis*

Conventional and ultrasound-assisted extraction of anthocyanin from red and purple roselle (*Hibiscus sabdariffa* L.) calyces and characterisation of its anthocyanin powder

Aryanti, N., Nafiunisa, A., Wardhani, D.H.  
(2019) *International Food Research Journal*

Kinetics of ultrasound-assisted flavonoid extraction from agri-food solid wastes using water/glycerol mixtures

Makris, D.P.

- 3 Gandía-Herrero, F., Jiménez-Atiénzar, M., Cabanes, J., García-Carmona, F., Escribano, J.  
Stabilization of the bioactive pigment of opuntia fruits through maltodextrin encapsulation

(2010) *Journal of Agricultural and Food Chemistry*, 58 (19), pp. 10646-10652. Cited 61 times.  
doi: 10.1021/jf101695f

[View at Publisher](#)

[View all related documents based on references](#)

[Find more related documents in Scopus based on:](#)

[Authors >](#) [Keywords >](#)

- 4 Nipornram, S., Tochampa, W., Rattanatraiwong, P., Singanusong, R.  
Optimization of low power ultrasound-assisted extraction of phenolic compounds from mandarin (*Citrus reticulata* Blanco cv. Sainampueng) peel

(2018) *Food Chemistry*, 241, pp. 338-345. Cited 25 times.

[www.elsevier.com/locate/foodchem](http://www.elsevier.com/locate/foodchem)  
doi: 10.1016/j.foodchem.2017.08.114

[View at Publisher](#)

- 5 Rodríguez-Pérez, C., Quirantes-Piné, R., Fernández-Gutiérrez, A., Segura-Carretero, A.  
Optimization of extraction method to obtain a phenolic compounds-rich extract from *Moringa oleifera* Lam leaves

(2015) *Industrial Crops and Products*, 66, pp. 246-254. Cited 56 times.

[www.elsevier.com/inca/publications/store/5/2/2/8/2/5](http://www.elsevier.com/inca/publications/store/5/2/2/8/2/5)  
doi: 10.1016/j.indcrop.2015.01.002

[View at Publisher](#)

- 6 Dai, J., Mumper, R.J.  
Plant phenolics: Extraction, analysis and their antioxidant and anticancer properties  
([Open Access](#))

(2010) *Molecules*, 15 (10), pp. 7313-7352. Cited 1481 times.

<http://www.mdpi.com/1420-3049/15/10/7313/pdf>  
doi: 10.3390/molecules15107313

[View at Publisher](#)

- 7 Alighourchi, H.R., Barzegar, M., Sahari, M.A., Abbasi, S.  
Effect of sonication on anthocyanins, total phenolic content, and antioxidant capacity of pomegranate juices

(2013) *International Food Research Journal*, 20 (4), pp. 1703-1709. Cited 26 times.

[http://www.ifrj.upm.edu.my/20%20\(04\)%202013/28%20IFRJ%2020%20\(04\)%202013%20Barzegar%20\(442\).pdf](http://www.ifrj.upm.edu.my/20%20(04)%202013/28%20IFRJ%2020%20(04)%202013%20Barzegar%20(442).pdf)

- 8 Zou, T.-B., Wang, M., Gan, R.-Y., Ling, W.-H.  
Optimization of ultrasound-assisted extraction of anthocyanins from mulberry, using response surface methodology ([Open Access](#))

(2011) *International Journal of Molecular Sciences*, 12 (5), pp. 3006-3017. Cited 80 times.

<http://www.mdpi.com/1422-0067/12/5/3006/pdf>  
doi: 10.3390/ijms12053006

[View at Publisher](#)

- 9 Silva, S., Costa, E.M., Calhau, C., Morais, R.M., Pintado, M.E.  
Anthocyanin extraction from plant tissues: A review

(2017) *Critical Reviews in Food Science and Nutrition*, 57 (14), pp. 3072-3083. Cited 21 times.

[www.tandf.co.uk/journals/titles/10408398.asp](http://www.tandf.co.uk/journals/titles/10408398.asp)  
doi: 10.1080/10408398.2015.1087963

[View at Publisher](#)

# Source details

## Chemistry and Chemical Technology

Scopus coverage years: from 2012 to Present

Publisher: National Library of Ukraine Vernadsky

ISSN: 1996-4196

Subject area: Chemical Engineering: General Chemical Engineering Chemistry: General Chemistry

[View all documents >](#)

[Set document alert](#)

[Save to source list](#)

CiteScore 2018

**0.47**



[Add CiteScore to your site](#)

SJR 2018

**0.187**



SNIP 2018

**0.405**



[CiteScore](#) [CiteScore rank & trend](#) [CiteScore presets](#) [Scopus content coverage](#)

CiteScore 2018

Calculated using data from **30 April, 2019**

### CiteScore rank

$$0.47 = \frac{\text{Citation Count 2018}}{\text{Documents 2015 - 2017}^*} = \frac{117 \text{ Citations} >}{248 \text{ Documents} >}$$

\*CiteScore includes all available document types

[View CiteScore methodology >](#)

[CiteScore FAQ >](#)

Category	Rank	Percentile
Chemical Engineering └ General Chemical Engineering	#201/272	25th
Chemistry └ General Chemistry	#284/371	23rd

### CiteScoreTracker 2019

Last updated on *09 September, 2019*  
Updated monthly

$$0.35 = \frac{\text{Citation Count 2019}}{\text{Documents 2016 - 2018}} = \frac{89 \text{ Citations to date} >}{254 \text{ Documents to date} >}$$

[View CiteScore trends >](#)

Metrics displaying this icon are compiled according to Snowball Metrics [↗](#), a collaboration between industry and academia.

### About Scopus

- [What is Scopus](#)
- [Content coverage](#)
- [Scopus blog](#)
- [Scopus API](#)
- [Privacy matters](#)

### Language

- [日本語に切り替える](#)
- [切换到简体中文](#)
- [切换到繁體中文](#)
- [Русский язык](#)

### Customer Service

- [Help](#)
- [Contact us](#)

## About Scopus

What is Scopus  
Content coverage  
Scopus blog  
Scopus API  
Privacy matters

## Language

日本語に切り替える  
切换到简体中文  
切换到繁體中文  
Русский язык

## Customer Service

Help  
Contact us

## ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗

Copyright © Elsevier B.V. ↗. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.





SJR

Scimago Journal &amp; Country Rank

Enter Journal Title, ISSN or Publisher Name

[Home](#)[Journal Rankings](#)[Country Rankings](#)[Viz Tools](#)[Help](#)[About Us](#)

# Chemistry and Chemical Technology

**Country** [Ukraine - !\[\]\(2b17f17ebbacc911bb0ff784ab641779\_img.jpg\) SIR Ranking of Ukraine](#)**Subject Area and Category**[Chemical Engineering](#)  
[Chemical Engineering \(miscellaneous\)](#)[Chemistry](#)  
[Chemistry \(miscellaneous\)](#)

# 9

H Index

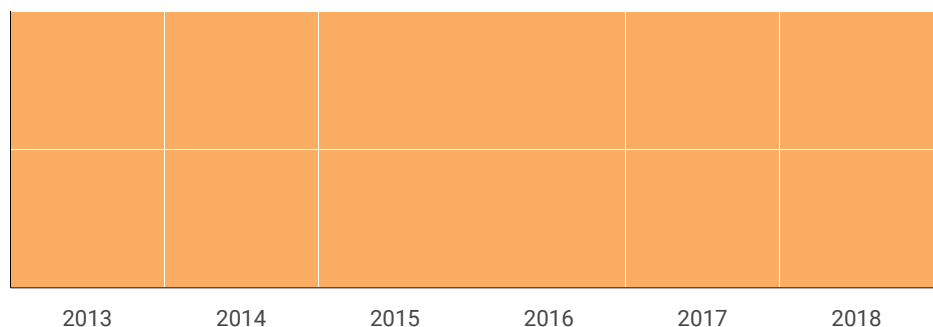
**Publisher** [National Library of Ukraine Vernadsky](#)**Publication type** Journals**ISSN** 19964196**Coverage** 2012-ongoing[Homepage](#)[How to publish in this journal](#)[Contact](#)[Join the conversation about this journal](#)

## Quartiles

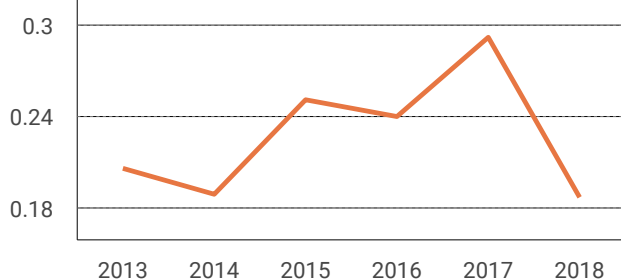


Chemical Engineering (miscellaneous)

Chemistry (miscellaneous)



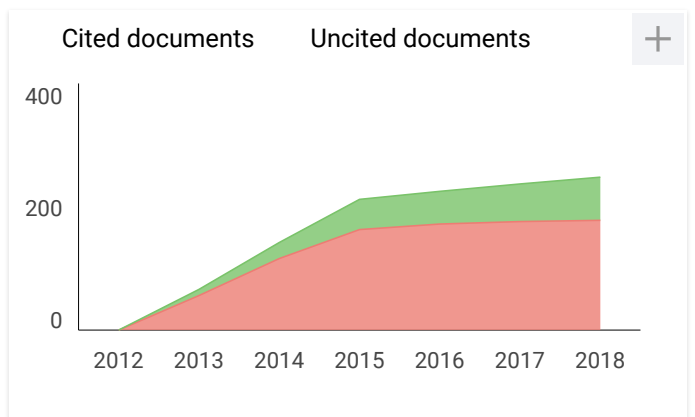
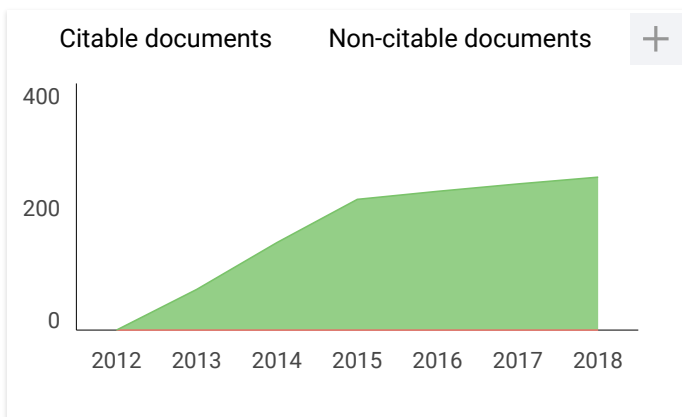
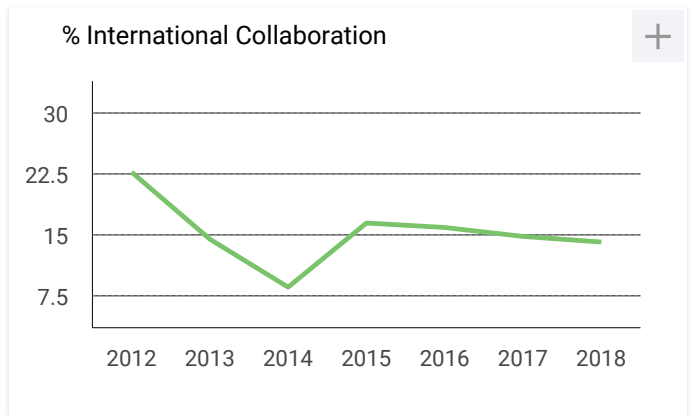
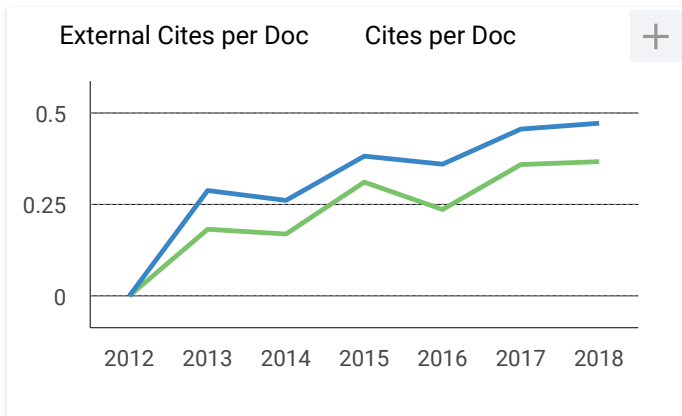
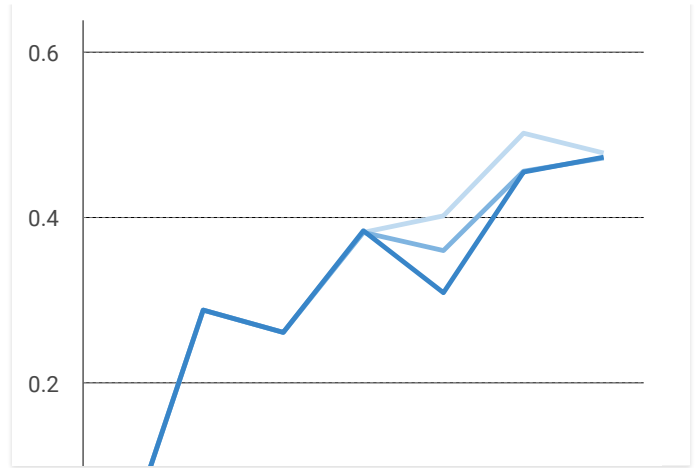
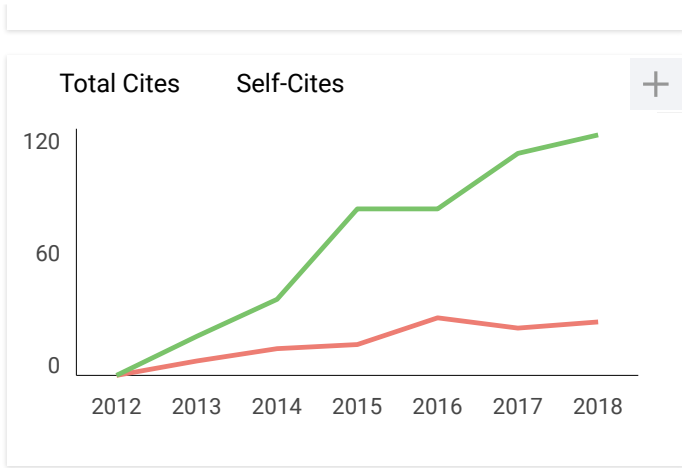
## SJR



## Citations per document







**Chemistry and Chemical Technology**

**Q3** Chemical Engineering (miscellaneous) best quartile

**SJR 2018**  
0.19

powered by scimagojr.com

← Show this widget in your own website

Just copy the code below and paste within your html code:

```
<a href="https://www.scimaç
```

N **Nanik AR** 10 months ago

Warm regards

How to register in Journal Chemistry and Chemical Technology?

Thank you

Best regards

Nanik AR

reply



**Elena Corera** 10 months ago

Please, contact Chemistry and Chemical Technology, you are contacting Scimago Journal and Country Rank.

Best,

SCImago Team

### Leave a comment

Name

Email

(will not be published)



I'm not a robot

reCAPTCHA  
Privacy - Terms

Submit

The users of Scimago Journal & Country Rank have the possibility to dialogue through comments linked to a specific journal. The purpose is to have a forum in which general doubts about the processes of publication in the journal, experiences and other issues derived from the publication of papers are resolved. For topics on particular articles, maintain the dialogue through the usual channels with your editor.

Developed by:



Powered by:



Follow us on @ScimagoJR

Scimago Lab, Copyright 2007-2019. Data Source: Scopus®

EST MODUS IN REBUS  
Horatio (Satire 1,1,106)