Periodica Polytechnica Chemical Engineering

Periodica Polytechnica Chemical Engineering is a peer reviewed scientific journal published by the Faculty of Chemical Technology and Biotechnology of the Budapest University of Technology and Economics. It was founded in 1957. Publication frequency: quarterly.

Periodica Polytechnica Chemical Engineering publishes both research and application oriented papers, in the area of chemical engineering including environmental and bioengineering. **This is a diamond open access journal: publishing and downloading articles are both free of charge**. The journal does not charge authors any article processing charges (APCs), submission, or publication fees. Users have the right to read, download, copy, distribute, print, search, or link to the full text of these articles. The journal is in the Directory of Open Access Journals (DOAJ).

Each paper is evaluated in a blind, peer review process, with at least two reviewers for a paper. We use Crossref/iThenticate for plagarism checking and in ethical issues the COPE guidelines are followed. Please read the Publication Ethics and Malpractice Statement for details.

Periodica Polytechnica Chemical Engineering is indexed and abstracted

- in Web of Science, Impact Factor (2018): 1.382; 5-year Impact Factor (2018): 1.248
- in SCOPUS, Scimago
- in SciFinder
- in Google Scholar
- in ProQuest Engineering Collection
- in Ei Compendex

Online ISSN : 1587-3765
Print ISSN : 0324-5853

Make a Submission

Editor-in-chief

International Editorial Board

Local Editorial Board

Periodica Polytechnica Chemical Engineering

Published: 2019-05-15

Quantitative Risk Assessment of Biogas Plant – Determination of Assumptions and Estimation of Selected Top Event

Petr Trávníček, Luboš Kotek, Tomáš Koutný, Tomáš Vítěz

397-405

PDF

Response Surface Optimization of Biodiesel Production from Nyamplung (Calophyllum inophyllum) Oil Enhanced by Microwave and Ionic liquid + NaOH Catalyst

Prima Astuti Handayani, Abdullah Abdullah, Hadiyanto Hadiyanto

406-413

PDF

Bisepoxide-activated Hollow Silica Microspheres for Covalent Immobilization of Lipase from Burkholderia cepacia

Flóra Nagy, Kinga Szabó, Péter Bugovics, Gábor Hornyánszky

414-424

PDF

A Review of Fluoride Removal from Groundwater

Margandan Karunanithi, Rachna Agarwal, Kushal Qanungo

425-437

PDF

Performance of Ultrafiltration–Ozone Combined System for Produced Water Treatment

Nita Aryanti, Tutuk Djoko Kusworo, Wiharyanto Oktiawan, Dyah Hesti Wardhani

438-447

PDF

Processing Efficiency, Simulation and Enzyme Activities Analysis of an Air-Lift Multilevel Circulation Membrane Bioreactor (AMCMBR) on Marine Domestic Sewage Treatment

Yuhang Cai, Xin Li, Asad A. Zaidi, Yue Shi, Kun Zhang, Peiqi Sun, Zheng Lu

448-458

PDF

Biodegradation of 2,4,6-Trinitrotoluene (TNT) with Bacteria Isolated from TNT-polluted Waste Pink Water

Zehra Gün Gök, Murat İnal, Mustafa Yiğitoğlu

459-468

Utilization of Integrative Technique for Partial Recovery of Proteases from Soil Microbes

Said Nawab, Muhammad Aasim, Haris Saddique, Fazal Rabi, Waqar Ali, Nadir Zaman Khan

469-477

PDF

The Utilization of Struvite Produced from Human Urine in Agriculture as a Natural Fertilizer: A Review

Judit Nagy, Anna Mikola, Surendra K. Pradhan, Anikó Zseni

478-484

PDF

Effect of Drying Methods on Physicochemical Parameters of Different Red Beetroots (Beta vulgaris L.) Species

Dóra Székely, Klaudia Vidák, Diána Furulyás, Ákos Ribárszki, Mónika Stéger-Máté

485-490

PDF

Antioxidant Capacity of Nettle Leaves During Osmotic Treatment

Violeta Knežević, Lato L. Pezo, Biljana Lj. Lončar, Vladimir S. Filipović, Milica R. Nićetin, Stanislava Ž. Gorjanović, Danijela Šuput

491-498

PDF

Contribution of Osmotically Dehydrated Wild Garlic on Biscuits' Quality Parameters

Kosana Šobot, Jovanka Laličić-Petronijević, Vladimir Filipović, Milica Nićetin, Jelena Filipović, Ljiljana Popović

499-507

PDF SUPPLEMENT

Comparative Study on Surfactants Mixtures in Aqueous Solution at Atmospheric Pressure and 10 bar Reservoir Atmosphere

Andrea Elekes, László Bartha, Árpád Vágó

508-512

PDF

The Study of Cylindrical Polymer Fuel Cell's Performance and the Investigation of Gradual Geometry Changes' Effect on Its Performance

Hossein Samanipour, Nima Ahmadi, Iraj Mirzaee, Majid Abbasalizade

ILT15 - A Computer Program for Evaluation of Accelerated Leach Test Data of LLW in the Hungarian NPP Paks

György Pátzay, Ottó Zsille, József Csurgai, Árpád Nényei, Ferenc Feil, Gyula Vass

527-532

PDF

Make a Submission

Crossref Similarity Check
Powered by iThenticate

Document details

Back to results | Previous 2 of 50 Next

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

View at Publisher

Periodica Polytechnica Chemical Engineering Open Access
Volume 63, Issue 3, 15 May 2019, Pages 438-447

Performance of ultrafiltration-ozone combined system for produced water treatment (Article) (Open Access)

Aryanti, N.[a,b], Kusworo, T.D.[a,b], Oktiawan, W.[c], Wardhani, D.H.[a]

[a]Department of Chemical Engineering, Faculty of Engineering, Diponegoro University, Kampus Undip Tembalang, Semarang, 50275, Indonesia
[b]Membrane Research Centre (MeR-C), Diponegoro University, Kampus Undip Tembalang, Semarang, 50275, Indonesia
[c]Department of Environmental Engineering, Faculty of Engineering, Diponegoro University, Kampus Undip Tembalang, Semarang, 50275, Indonesia

Abstract

View references (42)

Oil exploration waste, also called produced water, contains hazardous pollutants, such as benzene; benzene, toluene, and xylene (BTX); naphthalene, phenanthrene, and dibenzothiophene (NDP); polyaromatic hydrocarbons (PAHs); and phenol. Produced water is characterized by high chemical oxygen demand (COD) and oil content, which exceed the standard limits of regulation. In this study, the combination of ultrafiltration (UF) and ozone pre-treatment and post-treatment were applied for treatment of produced water to minimize its environmental impact. Produced water and membrane were characterized, and their ultrafiltration performance for removal of oil content, benzene, toluene, xylene, and COD. Two commercial Polyethersulfone membranes, with molecular-weight cut-off values of 10 and 20 kDa, were used. The membrane flux profile illustrated that ozone pre-treatment had higher normalized flux than UF only. Separation performance was evaluated based on flux profile and removal of COD, oil and grease content, toluene, and xylene. Significant finding was found where the combination of UF with ozone pre-treatment and post-treatment could significantly eliminate COD, oil content, toluene, and xylene. The rejection of these components was found higher than conventional process, which was in the range of 80% to 99 %. In addition, almost oil and grease can be removed by using this combined system. Permeate quality of this system confirmed the acceptable level as water discharge.

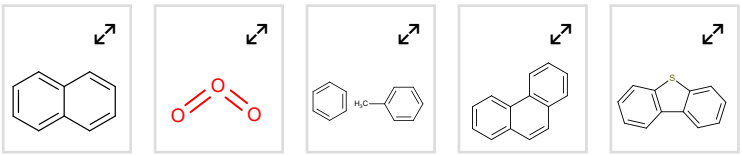
SciVal Topic Prominence

Topic: Microfiltration | Ceramic membranes | Membranes

Prominence percentile: 95.816

Chemistry database information

Substances



Author keywords

Benzene Ozone Produced water Toluene Ultrafiltration Xylene

Indexed keywords

Metrics

PlumX Metrics

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

Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert

Set citation feed

Related documents

Ultrafiltration membrane process for produced water treatment: Experimental and modeling
Badrnezhad, R. , Beni, A.H.
(2013) Journal of Water Reuse and Desalination

Fouling reduction by ozone-enhanced backwashing process in ultrafiltration of petroleum-based oil in water emulsion
Aryanti, N. , Prihatiningtyas, I. , Kusworo, T.D.
(2017) AIP Conference Proceedings

Integrated systems for oilfield produced water treatment: The state of the art
Golestanbagh, M. , Parvini, M. , Pendashteh, A.
(2016) Energy Sources, Part A: Recovery, Utilization and Environmental Effects

View all related documents based on references

Find more related documents in Scopus based on:

Authors Keywords

Engineering controlled terms: Benzene | Chemical oxygen demand | Naphthalene | Ozone | Ozone water treatment | Petroleum prospecting | Polycyclic aromatic hydrocarbons | Produced Water | Toluene | Ultrafiltration | Xylene

Engineering uncontrolled terms: Benzene , toluene , and xylenes | Dibenzothiophenes | Hazardous pollutants | Molecular weight cutoff | Polyaromatic hydrocarbons | Polyethersulfone membrane | Separation performance | Water discharges

Engineering main heading: Water pollution

Funding details

Funding text

NA thanks International Conference Grant (Letter Grant Number:1361/E5.3/PB/2018) from Directorate of Research Strengthening and Development, Ministry of Research, Technology and Higher Education, The Republic of Indonesia. The authors also acknowledge Ms Henny I. Safitri, Ms Fella R. Astuti and Ms Aininu Nafiunisa for their assistance.

ISSN: 03245853
Source Type: Journal
Original language: English
DOI: 10.3311/PPch.13491
Document Type: Article
Publisher: Budapest University of Technology and Economics

References (42)

View in search results format >

1 Fakhru'l-Razi, A., Pendashteh, A., Abdullah, L.C., Biak, D.R.A., Madaeni, S.S., Abidin, Z.Z.
Review of technologies for oil and gas produced water treatment

(2009) *Journal of Hazardous Materials*, 170 (2-3), pp. 530-551. Cited 916 times.
doi: 10.1016/j.jhazmat.2009.05.044

View at Publisher

2 Nasiri, M., Jafari, I.
Produced water from oil-gas plants: A short review on challenges and opportunities
(Open Access)

(2017) *Periodica Polytechnica Chemical Engineering*, 61 (2), pp. 73-81. Cited 7 times.
https://pp.bme.hu/ch/article/download/8786/7091
doi: 10.3311/PPch.8786

View at Publisher

3 Dickhout, J.M., Moreno, J., Biesheuvel, P.M., Boels, L., Lammertink, R.G.H., de Vos, W.M.
Produced water treatment by membranes: A review from a colloidal perspective

(2017) *Journal of Colloid and Interface Science*, 487, pp. 523-534. Cited 87 times.
http://www.elsevier.com/inca/publications/store/6/2/2/8/6/1/index.htt
doi: 10.1016/j.jcis.2016.10.013

View at Publisher

4 Mæland Nilsen, M., Meier, S., Larsen, B.K., Ketil Andersen, O., Hjelle, A.
An estrogen-responsive plasma protein expression signature in Atlantic cod (Gadus morhua) revealed by SELDI-TOF MS

(2011) *Ecotoxicology and Environmental Safety*, 74 (8), pp. 2175-2181. Cited 8 times.
doi: 10.1016/j.ecoenv.2011.07.036

View at Publisher

5 Bakke, T., Klungsøyr, J., Sanni, S.
Environmental impacts of produced water and drilling waste discharges from the Norwegian offshore petroleum industry (Open Access)

(2013) *Marine Environmental Research*, 92, pp. 154-169. Cited 122 times.
www.elsevier.com/locate/marenvrev
doi: 10.1016/j.marenvres.2013.09.012

View at Publisher

6 Munirasu, S., Haija, M.A., Banat, F.
Use of membrane technology for oil field and refinery produced water treatment - A review

(2016) *Process Safety and Environmental Protection*, 100, pp. 183-202. Cited 92 times.
http://www.elsevier.com/wps/find/journaldescription.cws_home/713889/description#description
doi: 10.1016/j.psep.2016.01.010

View at Publisher

7 Rezakazemi, M., Maghami, M., Mohammadi, T.
High loaded synthetic hazardous wastewater treatment using lab-scale submerged ceramic membrane bioreactor (Open Access)

(2018) *Periodica Polytechnica Chemical Engineering*, 62 (3), pp. 299-304. Cited 22 times.
https://pp.bme.hu/ch/article/download/11459/7896
doi: 10.3311/PPch.11459

View at Publisher

8 Alzahrani, S., Mohammad, A.W.
Challenges and trends in membrane technology implementation for produced water treatment: A review

(2014) *Journal of Water Process Engineering*, 4 (C), pp. 107-133. Cited 115 times.
http://www.journals.elsevier.com/journal-of-water-process-engineering/
doi: 10.1016/j.jwpe.2014.09.007

View at Publisher

9 Kulkarni, S.S., Funk, E.W., Li, N.N.
Ultrafiltration: Introduction and Definitions
(1992) *Membrane handbook, Van Nostrand Reinhold*, pp. 387-393.
Ho, W. S. W., Sirkar, K. K. (eds.), New York, USA

10 Kumar, S., Nandi, B.K., Guria, C., Mandal, A.
Oil removal from produced water by ultrafiltration using polysulfone membrane (Open Access)

(2017) *Brazilian Journal of Chemical Engineering*, 34 (2), pp. 583-596. Cited 9 times.
http://www.scielo.br/pdf/bjce/v34n2/1678-4383-bjce-34-02-00583.pdf
doi: 10.1590/0104-6632.20170342s20150500

View at Publisher

11 Ebrahimi, M., Ashaghi, K.S., Engel, L., Willershausen, D., Mund, P., Bolduan, P., Czermak, P.
Characterization and application of different ceramic membranes for the oil-field produced water treatment

(2009) *Desalination*, 245 (1-3), pp. 533-540. Cited 66 times.
doi: 10.1016/j.desal.2009.02.017

View at Publisher

12 Li, Y.S., Yan, L., Xiang, C.B., Hong, L.J.
Treatment of oily wastewater by organic-inorganic composite tubular ultrafiltration (UF) membranes

(2006) *Desalination*, 196 (1-3), pp. 76-83. Cited 160 times.
doi: 10.1016/j.desal.2005.11.021

View at Publisher

13 Salahi, A., Abbasi, M., Mohammadi, T.
Permeate flux decline during UF of oily wastewater: Experimental and modeling

(2010) *Desalination*, 251 (1-3), p. 153 160. Cited 154 times.
doi: 10.1016/j.desal.2009.08.006

View at Publisher

14 Wu, C., Li, A., Li, L., Zhang, L., Wang, H., Qi, X., Zhang, Q.
Treatment of oily water by a poly(vinyl alcohol) ultrafiltration membrane

(2008) *Desalination*, 225 (1-3), pp. 312-321. Cited 42 times.
doi: 10.1016/j.desal.2007.07.012

View at Publisher

15 Duarte, C.L., Geraldo, L.L., Junior, O.D.A.P., Borrely, S.I., Sato, I.M., Sampa, M.H.D.O.
Treatment of effluents from petroleum production by electron beam irradiation

(2004) *Radiation Physics and Chemistry*, 71 (1-2), pp. 445-449. Cited 25 times.
www.elsevier.com/locate/radphyschem
doi: 10.1016/j.radphyschem.2004.03.021

View at Publisher

16 Dórea, H.S., Bispo, J.R.L., Aragão, K.A.S., Cunha, B.B., Navickiene, S., Alves, J.P.H., Romão, L.P.C., (...), Garcia, C.A.B.
Analysis of BTEX, PAHs and metals in the oilfield produced water in the State of Sergipe, Brazil

(2007) *Microchemical Journal*, 85 (2), pp. 234-238. Cited 70 times.
doi: 10.1016/j.microc.2006.06.002

View at Publisher

17 Røe Utvik, T.I.
Chemical characterisation of produced water from four offshore oil production platforms in the North Sea

(1999) *Chemosphere*, 39 (15), pp. 2593-2606. Cited 197 times.
doi: 10.1016/S0045-6535(99)00171-X

View at Publisher

18 Šilhárová, K., Derco, J., Tölgyessy, P., Valičková, M.
Reducing of organic petroleum compounds in water by ozonation /UV processes
(2011) *Presented at 45$_{th}$International Petroleum Conference*. Cited 2 times.
Bratislava, Slovak Republic, June 13

19 Zhu, M., Wang, H., Su, H., You, X., Jin, W.
Study on Oxidation Effect of Ozone on Petroleum-Based Pollutants in Water
(2010) *Modern Applied Science*, 4 (1), pp. 6-11. Cited 4 times.
https://doi.org/10.5539/mas.v4n1p6

20 Ziabari, S.S.H., Khezri, S.-M., Kalantary, R.R.
Ozonation optimization and modeling for treating diesel-contaminated water

(2016) *Marine Pollution Bulletin*, 104 (1-2), pp. 240-245. Cited 3 times.
www.elsevier.com/locate/marpolbul
doi: 10.1016/j.marpolbul.2016.01.017

View at Publisher

21 Zha, X.-S., Ma, L.-M., Wu, J., Liu, Y.
The removal of organic precursors of DBPs during three advanced water treatment processes including ultrafiltration, biofiltration, and ozonation

(2016) *Environmental Science and Pollution Research*, 23 (16), pp. 16641-16652. Cited 4 times.
http://www.springerlink.com/content/0944-1344
doi: 10.1007/s11356-016-6643-z

View at Publisher

22 Zhu, H., Wen, X., Huang, X.
Membrane organic fouling and the effect of pre-ozonation in microfiltration of secondary effluent organic matter

(2010) *Journal of Membrane Science*, 352 (1-2), pp. 213-221. Cited 42 times.
doi: 10.1016/j.memsci.2010.02.019

View at Publisher

23 Kim, J.-O., Jung, J.-T., Yeom, I.-T., Aoh, G.-H.
Effect of fouling reduction by ozone backwashing in a microfiltration system with advanced new membrane material

(2007) *Desalination*, 202 (1-3), pp. 361-368. Cited 25 times.
doi: 10.1016/j.desal.2005.12.075

View at Publisher

24 You, S.-H., Tsai, Y.-T.
Using intermittent ozonation to remove fouling of ultrafiltration membrane in effluent recovery during TFT-LCD manufacturing

(2010) *Journal of the Taiwan Institute of Chemical Engineers*, 41 (1), pp. 98-104. Cited 11 times.
doi: 10.1016/j.jtice.2009.05.013

View at Publisher

25 You, S.-H., Tseng, D.-H., Hsu, W.-C.
Effect and mechanism of ultrafiltration membrane fouling removal by ozonation

(2007) *Desalination*, 202 (1-3), pp. 224-230. Cited 51 times.
doi: 10.1016/j.desal.2005.12.058

View at Publisher

26 Saha, N.K., Balakrishnan, M., Ulbricht, M.
Sugarcane juice ultrafiltration: FTIR and SEM analysis of polysaccharide fouling

(2007) *Journal of Membrane Science*, 306 (1-2), pp. 287-297. Cited 45 times.
doi: 10.1016/j.memsci.2007.09.006

View at Publisher

27 Belfer, S., Fainchtain, R., Purinson, Y., Kedem, O.
Surface characterization by FTIR-ATR spectroscopy of polyethersulfone membranes-unmodified, modified and protein fouled

(2000) *Journal of Membrane Science*, 172 (1-2), pp. 113-124. Cited 222 times.
doi: 10.1016/S0376-7388(00)00316-1

View at Publisher

28 Zulaikha, S., Lau, W.J., Ismail, A.F., Jaafar, J.
Treatment of restaurant wastewater using ultrafiltration and nanofiltration membranes

(2014) *Journal of Water Process Engineering*, 2, pp. 58-62. Cited 22 times.
http://www.journals.elsevier.com/journal-of-water-process-engineering/
doi: 10.1016/j.jwpe.2014.05.001

View at Publisher

29 Zadorojny, C., Saxton, S., Finger, R.
Spectrophotometric determination of ammonia

(1973) *Journal of the Water Pollution Control Federation*, 45 (5), pp. 905-912. Cited 33 times.

30 Ashaghi, K.S., Ebrahimi, M., Czermak, M.
Ceramic Ultra-and Nanofiltration Membranes for Oilfield Produced Water Treatment: A Mini Review
(2007) *Open Environmental Sciences*, 1, pp. 1-8. Cited 50 times.
https://doi.org/10.2174/1876325100701010001

31 Maguire-Boyle, S.J., Barron, A.R.
A new functionalization strategy for oil/water separation membranes

(2011) *Journal of Membrane Science*, 382 (1-2), pp. 107-115. Cited 58 times.
doi: 10.1016/j.memsci.2011.07.046

View at Publisher

32 Wang, C., Li, Q., Tang, H., Yan, D., Zhou, W., Xing, J., Wan, Y.
Membrane fouling mechanism in ultrafiltration of succinic acid fermentation broth

(2012) *Bioresource Technology*, 116, pp. 366-371. Cited 52 times.
doi: 10.1016/j.biortech.2012.03.099

View at Publisher

33 Hua, F.L., Tsang, Y.F., Wang, Y.J., Chan, S.Y., Chua, H., Sin, S.N.
Performance study of ceramic microfiltration membrane for oily wastewater treatment

(2007) *Chemical Engineering Journal*, 128 (2-3), pp. 169-175. Cited 164 times.
doi: 10.1016/j.cej.2006.10.017

View at Publisher

34 Yi, X.S., Yu, S.L., Shi, W.X., Sun, N., Jin, L.M., Wang, S., Zhang, B., (...), Sun, L.P.
The influence of important factors on ultrafiltration of oil/water emulsion using PVDF membrane modified by nano-sized TiO_2/Al_2O_3

(2011) *Desalination*, 281 (1), pp. 179-184. Cited 81 times.
doi: 10.1016/j.desal.2011.07.056

View at Publisher

35 Song, Y., Dong, B., Gao, N., Xia, S.
Huangpu River water treatment by microfiltration with ozone pretreatment

(2010) *Desalination*, 250 (1), pp. 71-75. Cited 49 times.
doi: 10.1016/j.desal.2009.06.047

View at Publisher

36 Knudsen, B.L., Hjelsvold, M., Frost, T.K., Svarstad, M.B.E., Grini, P.G., Willumsen, C.F., Torvik, H.
Meeting the zero discharge challenge for produced water

(2004) *SPE International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production*. Cited 18 times.

37 Carvalho, M.S., Clarisse, M.D., Lucas, E.F., Barbosa, C.C.R., Barbosa, L.C.F.
Evaluation of the polymeric materials (DVB copolymers) for produced water treatment

(2002) *Society of Petroleum Engineers - Abu Dhabi International Petroleum Exhibition and Conference 2002, ADIPEC 2002*. Cited 9 times.
ISBN: 978-155563936-5

38 Jiménez, S., Micó, M.M., Arnaldos, M., Medina, F., Contreras, S.
State of the art of produced water treatment

(2018) *Chemosphere*, 192, pp. 186-208. Cited 40 times.
www.elsevier.com/locate/chemosphere
doi: 10.1016/j.chemosphere.2017.10.139

View at Publisher

39 Santos, M.R.G., Goulart, M.O.F., Tonholo, J., Zanta, C.L.P.S.
The application of electrochemical technology to the remediation of oily wastewater

(2006) *Chemosphere*, 64 (3), pp. 393-399. Cited 81 times.
doi: 10.1016/j.chemosphere.2005.12.036

View at Publisher

40 Freire, D.D.C., Cammarota, M.C., Sant'Anna, G.L.
Biological treatment of oil field wastewater in a sequencing batch reactor

(2001) *Environmental Technology*, 22 (10), pp. 1125-1135. Cited 56 times.
http://www.tandf.co.uk/journals/titles/09593330.asp
doi: 10.1080/09593332208618203

View at Publisher

41 Sun, Y., Zhang, Y., Quan, X.
Treatment of petroleum refinery wastewater by microwave-assisted catalytic wet air oxidation under low temperature and low pressure

(2008) *Separation and Purification Technology*, 62 (3), pp. 565-570. Cited 70 times.
doi: 10.1016/j.seppur.2008.02.027

View at Publisher

42 Li, Q., Kang, C., Zhang, C.
Waste water produced from an oilfield and continuous treatment with an oil-degrading bacterium

(2005) *Process Biochemistry*, 40 (2), pp. 873-877. Cited 67 times.
doi: 10.1016/j.procbio.2004.02.011

View at Publisher

Aryanti, N.; Department of Chemical Engineering, Faculty of Engineering, Diponegoro University, Kampus Undip Tembalang, Semarang, Indonesia; email:nita.aryanti@che.undip.ac.id

Source details

Periodica Polytechnica: Chemical Engineering

Open Access

Scopus coverage years: from 1968 to 2018

Publisher: Budapesti Muszaki es Gazdasagtudomanyi Egyetem/Budapest University of Technology and Economics

ISSN: 0324-5853 E-ISSN: 1587-3765

Subject area: Chemical Engineering: General Chemical Engineering

CiteScore 2018
1.28

SJR 2018
0.287

SNIP 2018
0.571

View all documents > | Set document alert | Save to source list | Journal Homepage

CiteScore | CiteScore rank & trend | CiteScore presets | Scopus content coverage

CiteScore 2018

Calculated using data from 30 April, 2019

$$1.28 = \frac{\text{Citation Count 2018}}{\text{Documents 2015 - 2017*}} = \frac{\text{147 Citations}}{\text{115 Documents}}$$

*CiteScore includes all available document types

View CiteScore methodology > | CiteScore FAQ >

CiteScore rank

Category	Rank	Percentile
Chemical Engineering └ General Chemical Engineering	#128/272	52nd

View CiteScore trends >

Add CiteScore to your site

CiteScoreTracker 2019

Last updated on *09 September, 2019*
Updated monthly

$$1.23 = \frac{\text{Citation Count 2019}}{\text{Documents 2016 - 2018}} = \frac{\text{178 Citations to date}}{\text{145 Documents to date}}$$

Metrics displaying this icon are compiled according to Snowball Metrics , a collaboration between industry and academia.

Periodica Polytechnica: Chemical Engineering

Country	Hungary - SIR Ranking of Hungary
Subject Area and Category	Chemical Engineering Chemical Engineering (miscellaneous)
Publisher	Budapesti Muszaki es Gazdasagtudomanyi Egyetem/Budapest University of Technology and Economics
Publication type	Journals
ISSN	03245853
Coverage	1968-ongoing
Scope	Periodica Polytechnica is a publisher of the Budapest University of Technology and Economics. It publishes seven international journals (Architecture, Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering, Social and Management Sciences, Transportation Engineering). The journals have free electronic versions.

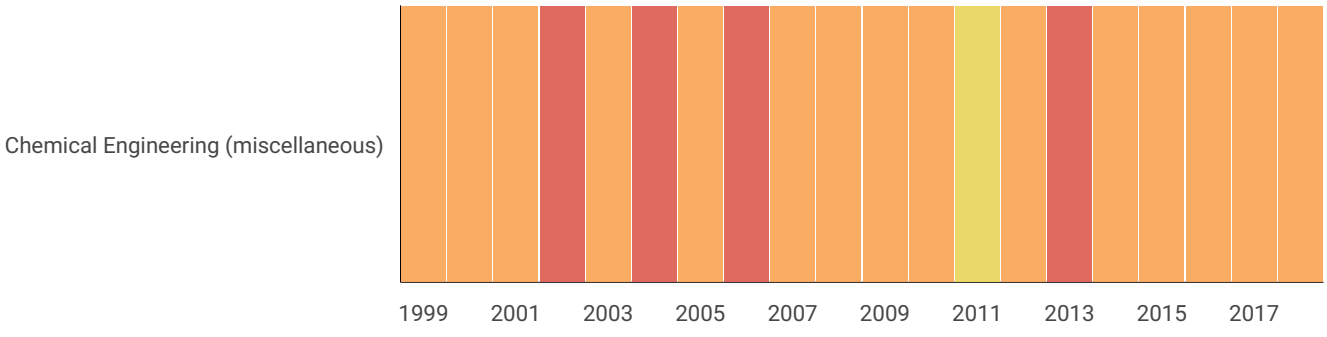
14

H Index

Homepage

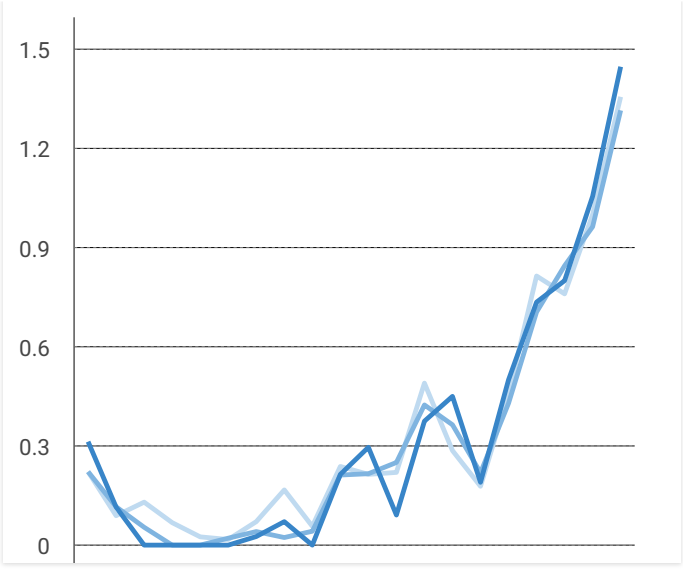
Join the conversation about this journal

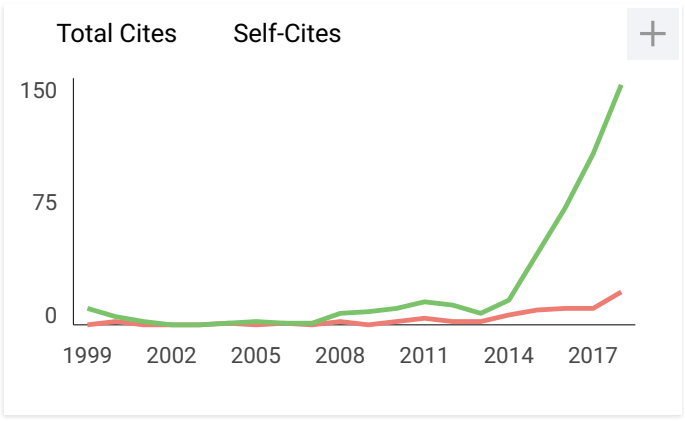
Quartiles

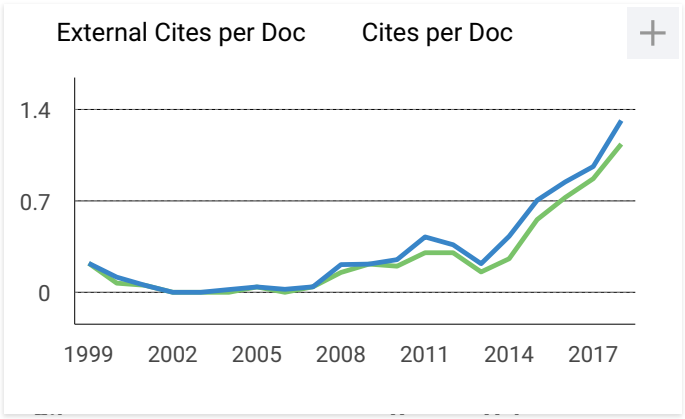


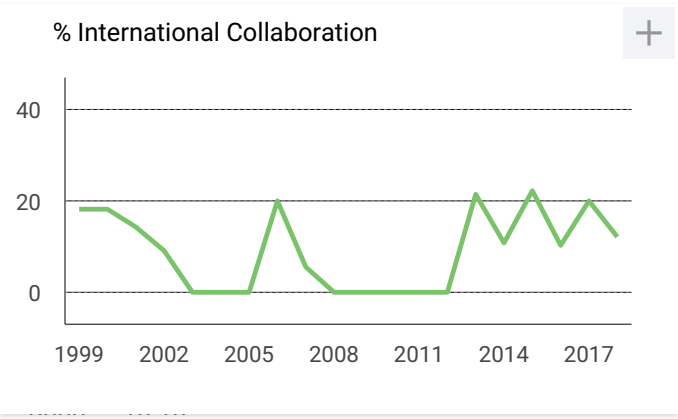
SJR

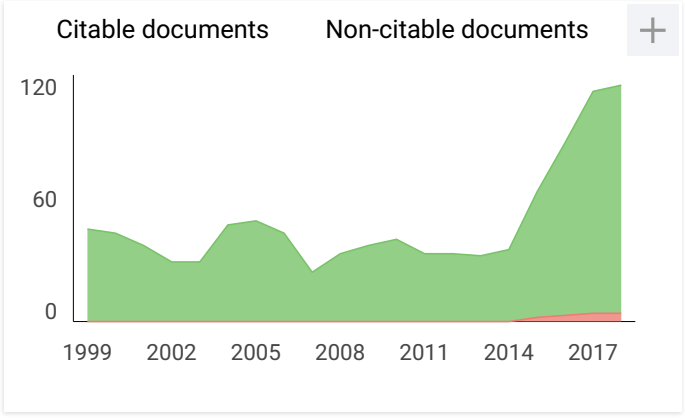
Citations per document

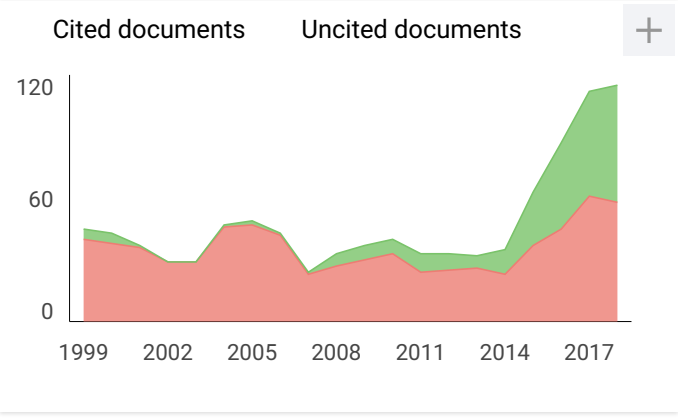












← Show this widget in your own website

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

<a href="https://www.scimag

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

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