

Федеральное государственное автономное
образовательное учреждение высшего образования
«Омский государственный технический университет»
Научная библиотека



НАУЧНАЯ БИБЛИОТЕКА
ОМСКИЙ ГОСУДАРСТВЕННЫЙ
ТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ



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Омск, 2024

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❑ более 111 млн. публикаций из более чем 70,000 журналов;

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129m
Publications

6m
Grants

12m
Datasets

224m
Online
Mentions

878k
Policy
Documents

716k
Clinical Trials

147m
Patents

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BioOne



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SAE
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frontiers

Для непосредственного перехода к банку документов с правой стороны сайта нужно выбрать графу **Access free web app** (1).

The image shows a screenshot of the Dimensions website homepage. The background is dark blue with abstract, colorful geometric shapes in shades of blue, green, yellow, and red. The main heading is "Linked research data from idea to impact" in white. Below it, the text "Dimensions data and solutions for discovery and analytics" is displayed in a lighter blue. At the top, there is a navigation menu with links: "DIMENSIONS FOR", "ABOUT DIMENSIONS", "WORKING TOGETHER", "RESOURCES", and "CONTACT US". The "CONTACT US" link is highlighted in a blue box. At the bottom, there is a horizontal menu with categories: "RESEARCHERS", "CORPORATE R&D", "PUBLISHERS", "GOVERNMENT & FUNDERS", "ACADEMIC", and "PHARMA". A callout box with the number "1" points to a button labeled "ACCESS FREE WEB APP" which features the Dimensions logo.

Dimensions

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Linked research data from idea to impact

Dimensions data and solutions for discovery and analytics

1

 ACCESS FREE WEB APP

RESEARCHERS CORPORATE R&D PUBLISHERS GOVERNMENT & FUNDERS ACADEMIC PHARMA

Далее находим поисковую строку и вводим интересующий нас термин или ключевое слово (пример: Chemistry). Для уточнения запроса можно воспользоваться разнообразными фильтрами, находящимися в левой стороне страницы: годы публикации (1), авторы (2), области исследований (3), тип публикаций (4), название источника (5), список журналов (6) и уровень доступа (7).

The screenshot shows the Dimensions database interface with the search term 'CHEMISTRY'. The left sidebar contains a 'FILTERS' section with the following categories and options:

- PUBLICATION YEAR** (1): Radio buttons for years 2023 to 2014, with a 'More' link.
- RESEARCHER** (2): A dropdown menu.
- RESEARCH CATEGORIES** (3): A dropdown menu.
- PUBLICATION TYPE** (4): A dropdown menu.
- SOURCE TITLE** (5): A dropdown menu.
- JOURNAL LIST** (6): A dropdown menu.
- OPEN ACCESS** (7): A dropdown menu.

The main search results area shows a list of articles with the following details:

- Article 1:** 'Lamotrigine protects against neuropathologies in a mouse model'. Authors: Xin-Xin Fu, Rui Duan, Si-Yu Wang, Qianqian Zhang. Year: 2023. Citations: 675,926.
- Article 2:** 'Pediatric emergency triage system'. Authors: Hany Simon, Claudio Schwartsman, Gabriel Morales-Reyes, Illani Atwater, Muel de Waard. Year: 2023. Citations: 519,194.
- Article 3:** 'Impact of biotin supplemented diet (BSD) is known to impact on the islet β-cell membrane protein expression in mice'. Authors: Ola Christiansen, Ola Bratt, Øyvind Kirkeby, Ola Bratt, Øyvind Kirkeby. Year: 2022. Citations: 556,140.

The right sidebar contains an 'ANALYTICAL VIEWS' section with a 'RESEARCH CATEGORIES' dropdown and an 'OVERVIEW' section featuring a line graph of 'Citations (Mean)' from 2013 to 2022. The graph shows a general upward trend in citations, peaking in 2021 at approximately 7,500,000, followed by a sharp decline in 2022.

С правой стороны от поискового запроса можно увидеть область с базовой аналитикой, в которой отражаются сведения о публикациях по результатам поиска.

БАЗОВАЯ АНАЛИТИКА

< ANALYTICAL VIEWS

RESEARCH CATEGORIES

03 Chemical Sciences	5,198,019
11 Medical and Health Sciences	2,506,625
09 Engineering	2,488,789
0306 Physical Chemistry (incl. Structural)	2,371,062
06 Biological Sciences	2,341,479

КАТЕГОРИИ ИССЛЕДОВАНИЙ

В данном разделе представлены предметные рубрики, в которых отражены документы по поисковому запросу

OVERVIEW



УПОМИНАНИЯ

В данном разделе отражается статистика по цитированию и упоминаниям работ за разные годы.

RESEARCHERS

Henry V Kehiaian	15,751
Paris Diderot University, France	
Krystyna Sosnkowska-Kehiaian	15,716
Interfaces Traitements Organisation et Dynamique des Systèmes, Fr...	
Jean-Claude Fontaine	15,714
Interfaces Traitements Organisation et Dynamique des Systèmes, Fr...	
Ivan Cibulka	6,065
University of Chemistry and Technology, Czechia	
Ivan Wichterle	5,661
Institute of Chemical Process Fundamentals, Czechia	

НАЗВАНИЕ РЕСУРСА

В данном разделе указаны название источников, в которых опубликованы статьи, составляющие результаты поиска.

SOURCE TITLES

Journal of Biological Chemistry	198,374
Analytical Chemistry	127,338
Nature	104,072
ChemInform	103,685

Для удобства использования каждая вкладка разделов базовой аналитики раскрывается и представляется в полноэкранном виде.

ANALYTICAL VIEWS | PUBLICATIONS

RESEARCH CATEGORIES

OVERVIEW

RESEARCHERS

SOURCE TITLES

Research Categories

related to your search

Aggregated Bar Chart

Publications | Citations | Citations (Mean)

Indicator

Mean | Change

Classification: Fields of Research

Name	Publications	Citations
Chemical Sciences 03	5,198,964	142,137,386
Medical and Health Sciences 11	2,507,036	77,571,381

ANALYTICAL VIEWS | PUBLICATIONS

RESEARCH CATEGORIES

OVERVIEW

RESEARCHERS

SOURCE TITLES

Overview

related to your search

About indicators

Publications

Indicator

Total

All years: 14,438,974

Show years 2013 to 2022

Chart | Table

Year	Publications
2013	550,000
2014	560,000
2015	520,000
2016	530,000
2017	550,000
2018	590,000
2019	630,000
2020	670,000
2021	670,000
2022	450,000

ANALYTICAL VIEWS | PUBLICATIONS

RESEARCH CATEGORIES

OVERVIEW

RESEARCHERS

SOURCE TITLES

Researchers

related to your search

Aggregated Network

Publications | Citations | Citations (Mean)

Indicator

Mean | Change

Name	Publications	Citations
Henry V Kehiaian Paris Diderot University, France	15,751	
Krystyna Sosnkowska-Kehiaian Interfaces Traitements Organisation et Dynamique des Systèmes, F...	15,716	
Jean-Claude Fontaine Interfaces Traitements Organisation et Dynamique des Systèmes, F...	15,714	
Ivan Cibulka University of Chemistry and Technology, Czechia	6,065	
Ivan Wichterle Institute of Chemical Process Fundamentals, Czechia	5,661	
Bozhanka P. Mikhova	4,413	

ANALYTICAL VIEWS | PUBLICATIONS

RESEARCH CATEGORIES

OVERVIEW

RESEARCHERS

SOURCE TITLES

Source Titles

related to your search

About indicators

Publications | Citations | Citations (Mean)

Mean | Change

Name	Publications	Citations	Citations mean
Journal of Biological Chemistry	198,380	14,380,125	72.49
Analytical Chemistry	127,344	3,155,767	24.78
Nature	104,076	6,327,047	60.79
ChemInform	103,685	19,251	0.19
Analytical and Bioanalytical Chemistry	101,551	607,453	5.98
Science	97,040	6,738,768	69.44
The Journal of Organic Chemistry	93,432	2,870,836	30.73
Chemical Communications	77,849	2,852,110	36.64
Journal of the American Chemical Society	75,271	6,835,211	90.81
European Journal of Inorganic Chemistry	73,605	996,595	13.54

В списке найденных по запросу документов можно получить краткие библиографические сведения о документе, его название, автора, год издания, название издающего журнала, аннотацию.

GRANTS 158,823 PATENTS 70,939 CLINICAL TRIALS 10,733 POLICY DOCUMENTS 26,481

- 2023
- 2022
- 2021
- 2020
- 2019
- 2018
- 2017
- 2016
- 2015
- 2014
- More

Chemophobia versus the identity of chemists: heroes of chemistry as an effective communication strategy

Radek Chalupa, Karel Nesměrák

2020, Monatshefte für Chemie - Chemical Monthly - Article

AbstractDecades of chemophobia are taking a high toll on chemistry. As current surveys suggest, people are displaying an irrational desire to live in a world without chemistry, but at the same time ar... [more](#)

Citations 8 Altmetric 2 Get PDF Add to Library

556,140

Angela L. Mahaffey

2021, Analytical Chemistry - Article

In the course of two years (2018 and 2020), anatomists and medical professionals became wonderstruck by two significant

- › RESEARCHER
- › RESEARCH CATEGORIES
- › PUBLICATION TYPE
- › SOURCE TITLE
- › JOURNAL LIST
- › OPEN ACCESS

Под библиографическими сведениями Вы можете увидеть кол-во цитирований и альтметрику, возможность добавить источник себе в библиотеку.

Для того, чтобы получить полный текст на этапе ознакомления с источником, необходимо выбрать иконку

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или

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The Mutation of the "Nobel Prize in Chemistry" into the "Nobel Prize in Chemistry or Life Sciences": Several Decades of Transparent and Opaque Evidence of Change within the Nobel Prize Program

Выбрав подходящий документ и кликнув по названию, мы переходим на страницу, где получаем более полные сведения: название статьи (1), название журнала (2), в котором опубликована статья, информацию об авторах (3) и полную аннотацию (4).

The screenshot shows a Dimensions database article page. The page header includes the Dimensions logo, a search bar with 'CHEMISTRY' and 'Free text in full data', and buttons for 'Support', 'Register', and 'Log in'. The article title is 'Chemophobia versus the identity of chemists: heroes of chemistry as an emblem of chemistry', with a callout '1' pointing to it. The journal information is 'Monatshefte für Chemie - Chemical Monthly, 151(6), 1193-1201 - June 2020', with a callout '2' pointing to it. The authors are 'Radek Chalupa - Charles University; RCC Europe, Ltd, Prague, Czech Republic' and 'Karel Nesměrák - Charles University', with a callout '3' pointing to the authors section. The abstract is 'AbstractDecades of chemophobia are taking a high toll on chemistry. As current surveys suggest, people are displaying an inability to answer trivial chemistry questions. Constant questioning of the importance of chemistry induced by chemophobia has consequences on the reproduction of chemistry. The need for the support of a positive perception of the chemical profession is... Everyday communication thus becomes the background on which the determination of the identity of the chemist takes place. This communication aims not only to add a much-needed human touch to chemistry communications, but also to create the conditions for strengthening the identity of chemistry as a profession.', with a callout '4' pointing to it. The page also features a 'Publication metrics' section with a 'Dimensions Badge' showing 8 total citations and 7 recent citations, and an 'Altmetric' section showing 2 mentions on Twitter and 13 on Mendeley. A callout box on the right lists actions: 'скачать полный текст документа (Get PDF)', 'добавить в подборку (Add to Library)', and 'поделиться в соц. сетях (Share)'. Another callout box on the right lists publication metrics: 'Всего цитирований', 'Недавнее цитирование', 'Альтметрика', and 'Упоминание статьи в сетях: Twitter, Mendeley'.

В данной области отражаются кнопки:

- скачать полный текст документа (Get PDF);
- добавить в подборку (Add to Library);
- поделиться в соц. сетях (Share).

На странице можно также увидеть показатели публикации:

- Всего цитирований
- Недавнее цитирование
- Альтметрика
- Упоминание статьи в сетях: Twitter, Mendeley

Publication metrics

Dimensions Badge

8	Total citations
7	Recent citations
n/a	Field Citation Ratio
0.4	Relative Citation Ratio

Altmetric

2	Twitter (3)
13	Mendeley (13)

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Также на странице с полными сведениями о документе представлен библиографический список, а также список источников, в которых процитирована данная статья.

Publication references - 44 [Show all](#)

[Narrative persuasion, identification, attitudes, and trustworth](#)

David E. Clementson

2020, Public Relations Review - Article

 13  18 [+](#) Add to Library

[Chemophobia](#)

2020, Chemistry & Industry - Article

 2 [+](#) Add to Library

[Unromantische Nerds](#)

Philipp Spitzer

2020, Nachrichten aus der Chemie - Article

 2  7 [+](#) Add to Library

Библиографический список

Publication citations - 8 [Show all](#)

[Chemophobia and passion: why chemists should des](#)

Radek Chalupa, Karel Nesměrák

2022, Monatshefte für Chemie - Chemical Monthly - Article

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[Chemophobia: A systematic review](#)

Ruggero Rollini, Luigi Falciola, Sara Tortorella

2022, Tetrahedron - Article

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[Re-imagining Priorities for Chemistry: A Central Science for "Freedom from Fear and Want"](#)

Stephen A. Matlin, Alain Krief, Henning Hopf, Goverdhan Mehta

2021, Angewandte Chemie International Edition - Article

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**Список источников,
в которых процитирована
статья**

Полный текст статьи доступен в PDF формате. Перед скачиванием источника возможен его предварительный просмотр.

Monatshefte für Chemie - Chemical Monthly (2020) 151:1193–1201
https://doi.org/10.1007/s00706-020-02633-z

ORIGINAL PAPER

Chemophobia versus the identity of chemists: heroes of chemistry as an effective communication strategy

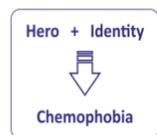
Radek Chalupa^{1,2} · Karel Nesměrák³

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Abstract

Decades of chemophobia are taking a high toll on chemistry. As current surveys suggest, people are displaying an irrational desire to live in a world without chemistry, but at the same time are unable to answer trivial chemistry questions. Constant questioning of the importance of chemistry induced by chemophobia leads to a weakening of the identity of chemists and can have negative consequences on the reproduction of chemistry. The need for the support of a positive perception of the chemical profession and an offer of positive examples for self-identification is the result. Everyday communication thus becomes the background on which the determination of the identity of the chemist takes place. The new communication strategy, which we call “heroes of chemistry”, aims not only to add a much-needed human touch to chemistry communications, but also to create the conditions for strengthening the identity of the chemist.

Graphic abstract



Keywords Ban of chemistry · Communication strategy · Didactics of chemistry · Fears of chemistry · Identity of chemist · Public image of chemistry

Introduction

Chemophobia continues to surprise us with the irrationality of its manifestations. At the same time, a recent survey [1] shows that the ability of chemophobia to influence the way the public perceives chemistry is not declining, but remains stable at a high level. This development takes place

✉ Radek Chalupa
radek.chalupa@cccuroe.cz

¹ Department of Teaching and Didactics of Chemistry, Faculty of Science, Charles University, Prague, Czech Republic

against the background of the trivialization of public discourse, which goes hand in hand with the proliferation of false prophets. Traditional media continues to recede into the background as digital media supplies grow. However, the growth in supply is far from copying the growth in quality, and this creates further challenges for chemistry communications. One prerequisite for dialogue with the public and its chemical education, which is necessary for the public to be able to responsibly play the role of a democratic sovereign, is to gain its attention. The key to the public's attention is the ability to capture its imagination. As a possible solution, we propose the idea of “heroes of chemistry.” By focusing

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R. Chalupa, K. Nesměrák

(Treatise on poisons found in the mineral, vegetable, and animal kingdoms, or general toxicology), which has been used as a basic text for decades. The book is a landmark in not only toxicology but in scientific history [55].

In 1818, Orfila published a book for the general public *Secours à donner aux personnes empoisonnées et asphyxiées* (A popular treatise on the remedies to be employed in cases of poisoning and apparent death), which became very popular and has been translated into a number of foreign languages [56]. In the book, Orfila criticized not only popular ideas and misconceptions on poisons and antidotes, but also the practices of quacks; very similar to today, when chemophobia is the result of ignorance in chemistry and the intervention of various activists.

Case 3

One of the heroes of chemistry in the Middle Ages was Johannes de Rupescissa, whose writings were extremely widely circulated and copied in his days, and thus had a significant impact [57]. He was born around 1310 in Auvergne, central France. In 1332, he joined the Franciscan order, some 5 years after he began his studies at the University of Toulouse. Rupescissa died between 1366 and 1370, probably at Avignon.

In his time, part of Christendom expected an impending apocalypse associated with hardship, disasters, and diseases (resembling today's COVID-19 situation). Rupescissa tried to find a solution to this situation by using (al-)chemical knowledge and methods. Basically, the same as we do today, when we use chemistry to ensure humanity's prosperity. Rupescissa, of course, wrote his works using the language and expressions of his time, but formulated his firm conviction that when facing disasters, chemistry is able to help humankind overcome them and has a central role in the wake of the world. In his *Liber Lactis* (Book of light) from 1350, he proposed the possibility of making artificial gold by transmutation. Although we know that chemical transmutation of base metals into gold is not possible, we can perceive this Rupescissa's effort as a metaphor for creating new materials that are indispensable to our modern technologies. In his later work, *De consideratione quorundam elementorum omnium rerum* (On the consideration of the fifth essence of all things), he is one of the first to discuss the possibility of using chemistry in a new area—medicine [58, 59]. In this work, Rupescissa proposed a plan for humankind to escape disease, aging, and even death through alchemy, i.e. chemistry. The task of chemistry is simply to prepare chemical medicines and medicaments that can restore lost health and improve human bodies to the point of near-immortality. Therefore, Rupescissa made chemical preparations a key part of medical practice; ever since his times, chemistry

would forever after be closely linked to medicine. Now, he is regarded as the founder of medicinal chemistry [58].

According to Rupescissa, the study of chemistry is legitimized by the fact that chemistry plays such a crucial role for humankind [57]. He was likely the first chemist to assert that by using chemistry, human beings could correct and transform the world, fight catastrophes, and enjoy an improved and high-quality society. He points to chemistry as a solution to all crises that seems to be apocalyptic. In short, chemists and chemistry can actively change the course of human history.

Conclusions

Willingness to go against the flow, a readiness to look for unusual solutions, and a possession of what we could call scientific or civic courage, these traits connect the heroes of chemistry Zafra M. Lerman, Mathieu Orfila, and Johannes

Chemophobia versus the identity of chemists: heroes of chemistry as an effective communication...

1201

- Williams D (2004) *Chandrasekhar and modernity*. Cambridge University Press, Cambridge
- Tölg G, Garten RPH (1985) *Angew Chem Int Ed* 24:845
- Chalupa R, Nesměrák K (2018) *Chem Listy* 108:995
- Chalupa R, Nesměrák K (2018) *Monatsh Chem* 149:1527
- Chalupa R, Nesměrák K (2019) *Monatsh Chem* 150:585
- Newbauer (2017) *Eisbucherlein zur chemie—soepem Zageung zu einer schweizer wissenschaft*. Springer Spektrum, Wiesbaden
- Strohliowa I (2015) *Khimiya i Zhizn* 90:2
- Jensen WB (2013) *Memoirs of an amateur chemist*. The Epicurean Press, Cincinnati
- Dipraso C (1993) *The pill, pygmy chimps, and Degau's horse*. Basic Books, New York
- Taker KS (2019) *Int J Chem* 59:450
- Kovics L, Csapó D, Lente G, Gunda T (2014) 100 chemical myths: misconceptions, misunderstandings, explanations. Springer, Cham
- Campo B (2016) *CAEN Glob Enterp*. <https://doi.org/10.1002/en-09438-editorial>
- Li SL, Loverude ME (2013) *AIP Conf Proc* 1513:246
- Chryssoschou X (2003) *J Lang Politi* 2:225
- Spitzer P (2020) *Nucler Chem*. <https://doi.org/10.1002/nuc.2024.09336>
- Foucault M (1997) *Ethics: subjectivity and truth*. The New Press, New York
- Holmgard HT, Madsen LM, Ulrikson L (2014) *Int J Sci Educ* 36:196
- Mariella RP (1977) *Chem Eng News*. <https://doi.org/10.1021/en-0053a046>
- Schummer J (2017) In: Weizte MD, Schummer J, Geithaar T (eds), *Zwischen Faszination und Vertiefung: Chemie in der Gesellschaft*. Springer, Berlin
- Otto GA (1992) *Adv Mater* 4:812
- Sergers GB (2001) *Russ Chem Rev* 70:809
- Chen G, Qiu H, Prasad PS, Chen X (2014) *Chem Rev* 114:5161
- Burni RV (2018) *Nanosynth* 12:81
- Derwin SR, Macgregor P (2010) *Nanosynth* 4:11
- Besmer K (2019) *Nat Nanotechnol* 14:510
- Warr G (2012) *Lancet* 380:970
- Forness J (2015) *Ann Sci* 72:272
- Hoffmann R (1995) *The same and not the same*. Columbia University Press, New York
- Keinan E (2017) *Int J Chem* 57:40
- Bull P (2006) *Nature* 442:500
- Atkins P (2013) *What is chemistry?*. Oxford University Press, Oxford
- Johnstone AH (2010) *J Chem Educ* 87:22
- Tissandier G (1879) *Les martyrs de la science*. Maurice Dreyfous, Paris
- Kent ML (2015) *Public Relat Rev* 41:480
- Goethals GR, Allison YF (2012) In: Olson JM, Zanna MP (eds), *Advances in experimental social psychology*, vol 46. Academic Press, Cambridge
- France ZL, Blau K, Zimbardo PG (2011) *Rev Gen Psychol* 15:99
- Mesivka DM (2005) In: Mesivka DM, Kramer RM (eds), *The psychology of leadership*. Lawrence Erlbaum Associates, Mahwah
- Clementson DE (2020) *Public Relat Rev* 46:101889
- Fisher WR (1984) *Commun Manag* 51:1
- Lerman ZM (2019) *Pure Appl Chem* 91:351
- Lerman ZM (2003) *J Chem Educ* 80:1234
- Lerman ZM (2005) *Chem Educ Int* 6:1
- Lerman ZM (2015) In: Cheng HN, Wu ML, Miller MD (eds), *Jobs, collaborations, and women leaders in the global chemistry enterprise*. American Chemical Society, Washington
- Hayes WJ (1973) *Toxicol Appl Pharmacol* 25:502
- Bermejo-Sánchez JR (2014) *Ambio* 61:162
- Bermejo-Sánchez JR (2018) In: Grell OP, Cunningham A, Arrizabalaga J (eds), *It all depends on dose: poisons and medicines in European history*. Routledge, London
- Langman LJ, Kapur BM (2006) *Clin Biochem* 39:498
- Bermejo-Sánchez JR (2009) *Med Hist* 53:351
- DeVos L (2009) *Prophets, alchemy, and the end of time: John de Rupescissa in the late Middle Ages*. Columbia University Press, New York
- Milthaupt RP (1954) *Isis* 45:359
- Taape T (2014) *Ambio* 61:236

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