



# Ресурсы издательства “Springer”

Краткая инструкция

# Базы издательства “Springer”

- [Springer Link](#)
- [Springer Protocols](#)
- [Springer Materials](#)
- [Zentralblatt MATH](#)

# Springer Link

<http://link.springer.com/>

Интерактивная база данных журналов, книжных серий, книг, справочных материалов и архивов для исследователей и ученых.

The screenshot shows the Springer Link homepage. At the top left is the Springer Link logo. To its right is a search bar with a magnifying glass icon and a star icon. A red arrow points from a green box labeled 'Поиск по ключевым словам' to the search bar. Below the search bar are links for 'Home' and 'Contact Us'. On the left side, there is a 'Browse by discipline' section with a list of subjects. A red arrow points from a green box labeled 'Поиск по теме' to this section. The main content area features a large text block: 'Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works.' Below this are two book covers: 'Cryptography and Communications' and 'Springer Reference LIVE Encyclopedia of GIS'. To the right of these covers is a purple box with the text 'New books and journals are available every day.' At the bottom, there is a 'Featured Journals' section with four journal covers: 'Journal of Materials Science', 'Hydrobiologia', 'Frontiers in Mathematics in China', and 'International Journal of Forensic Science'.

Поиск по ключевым  
словам

Поиск по  
теме

# Springer Link

## расширенный поиск

The image shows the Springer Link website's advanced search page. At the top, there is a search bar with a magnifying glass icon and a settings gear icon. Below the search bar are navigation links for 'Home' and 'Contact Us'. The main section is titled 'Advanced Search' and contains several search filters. Each filter has a text input field and a corresponding Russian annotation in a green box with a red arrow pointing to the field. The filters include: 'Find Resources' with options for 'with all of the words', 'with the exact phrase', 'with at least one of the words', and 'without the words'; 'where the title contains' with an example 'Cassini at Saturn' or Saturn; 'where the author / editor is' with an example 'H.G. Kennedy' or Elvis Morrison; 'Show documents published' with a dropdown for 'between' and an 'and' field; and 'Include Preview-Only content' with a checked checkbox.

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Search

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### Advanced Search

**Find Resources**

with **all of the words**

with the **exact phrase**

with at least **one of the words**

**without** the words

where the **title** contains

*e.g. "Cassini at Saturn" or Saturn*

where the **author / editor** is

*e.g. "H.G. Kennedy" or Elvis Morrison*

Show documents published

between and

**Include Preview-Only content**

Поиск по всем ключевым словам

Поиск по точной фразе

Поиск по одному слову из нескольких

Исключая слова

Поиск по словам в названии

Поиск по автору / редактору

Ограничение по году издания

Снятая галочка позволяет увидеть только те ресурсы, которые доступны в полнотекстовом варианте.

# Ограничение результатов поиска

The screenshot shows the Springer Link search results page. The search bar at the top contains the text 'Search'. Below it, the page indicates '1,133,290 Result(s) within Computer Science'. On the left side, there is a 'Refine Your Search' section with three filters: 'Content Type', 'Discipline', and 'Subdiscipline'. The 'Content Type' filter is currently set to 'Include Preview-Only content'. The 'Discipline' filter is set to 'Computer Science'. The 'Subdiscipline' filter is set to 'Theoretical Computer Science'. The main results area shows a list of articles, with the first one being 'On the nonlinearity of S-boxes and linear codes' by Jian Liu, Sihem Mesnager, and Lusheng Chen, published in 'Cryptography and Communications' (2017). The second article is 'Asymptotically optimal  $\bar{2}$ -separable codes with length 4' by Minquan Cheng, Jing Jiang, and Xiaohu Tang, also published in 'Cryptography and Communications' (2017). The third article is 'New differentially 4-uniform permutations by modifying the inverse function on subfields'. There are three green callout boxes with red arrows pointing to specific elements: one to the 'Include Preview-Only content' checkbox, one to the 'Sort By' dropdown menu (set to 'Newest First'), and one to the 'Date Published' link.

Springer Link

Search [New Search] [Settings]

Home • Contact Us

1,133,290 Result(s) within Computer Science

Include Preview-Only content

Refine Your Search

Sort By Newest First [Date Published] Page 1 of 56,665

Journal  
**Cryptography and Communications**  
Volume 1 / 2009 - Volume 9 / 2017

Article  
**On the nonlinearity of S-boxes and linear codes**  
For multi-output Boolean functions (also called S-boxes), various measures of nonlinearity have been widely discussed in the literature but many problems are left open in this topic. The purpose of this paper ...  
Jian Liu, Sihem Mesnager, Lusheng Chen in *Cryptography and Communications* (2017)  
» Download PDF (367 KB) » View Article

Article  
**Asymptotically optimal  $\bar{2}$ -separable codes with length 4**  
Multimedia fingerprinting is an effective technique to trace the sources of pirate copies of copyrighted multimedia information. Separable codes can be used to construct fingerprints resistant to the averaging...  
Minquan Cheng, Jing Jiang, Xiaohu Tang in *Cryptography and Communications* (2017)  
» Download PDF (188 KB) » View Article

Article  
**New differentially 4-uniform permutations by modifying the inverse function on subfields**

Discipline: Computer Science (selected)

Content Type	Count
Chapter	785,109
Article	267,612
Reference Work Entry	47,071
Book	32,650
Book Series	444
Journal	287
Protocol	117
Reference Work	62

Discipline	Count
Computer Science	288,585
Engineering	198,377
Mathematics	65,848
Physics	46,076
Life Sciences	

Subdiscipline	Count
Theoretical Computer Science	411,275
AI	375,480
SWE	333,668
Communication Networks	303,749
Database Management & Information Retrieval	297,439

Снятая галочка позволяет увидеть только те ресурсы, которые доступны в полнотекстовом варианте.

Сортировка результатов поиска по дате публикации

Ограничение результатов поиска



# Скачивание книги

The screenshot shows the Springer Link interface for the book "Becoming a World-Class University". At the top, there is a search bar and navigation links for "Sign up / Log in", "English", and "Academic edition". Below the search bar, there are links for "Home" and "Contact Us". A blue banner at the top of the book page offers a "Download Book (PDF, 4223 KB)" option. The book title "Becoming a World-Class University" is prominently displayed, along with the subtitle "The case of King Abdulaziz University" and the editors' names: Osama Tayeb, Adnan Zahed, and Jozef Ritzen. The ISBN is also provided. Below the title, there are two download buttons: "Download Book (PDF, 4223 KB)" and "Download Book (ePub, 2011 KB)". To the right of the book title, there is a book cover image with a "Look Inside" button. Below the book cover, there is a "Book Metrics" section with a table showing Citations (2), Mentions (8), Readers (11), and Downloads (21K). At the bottom of the page, there is a "Table of contents" section with 10 chapters, including "Front Matter" and "Roadmap to Become a World-Class University".

Springer Link

» Sign up / Log in English Academic edition

Search

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Book 2016  
Open Access

## Becoming a World-Class University

The case of King Abdulaziz University

Editors: Osama Tayeb, Adnan Zahed, Jozef Ritzen  
ISBN: 978-3-319-26379-3 (Print) 978-3-319-26380-9 (Online)

Download Book (PDF, 4223 KB) Download Book (ePub, 2011 KB)

### Table of contents (10 chapters)

Front Matter	Pages i-xvii
» Download PDF (222KB)	
Chapter	
Roadmap to Become a World-Class University	
Osama Tayeb	Pages 1-19
» Download PDF (612KB) » View Chapter	
Chapter	
International Advisory Boards in the World	
Adnan Zahed	
» Download	

### Book Metrics

Citations	2
Mentions	8
Readers	11
Downloads	21K

Provided by Bookmetrix

### Other actions

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(в разных  
форматах)

Скачивание  
отдельных  
глав

Статистика  
использования  
статьи

# Работа с архивом журнала

The screenshot shows the Springer Link interface for the Journal of Materials Science. At the top, there is a search bar and navigation links. The main content area includes a 'Browse Volumes & Issues' button, a journal description, and a 'Latest Articles' section. A red box highlights a statistics table, and a red arrow points from a callout box to it. Another red arrow points from a callout box to the 'Browse Volumes & Issues' button. A third red arrow points from a callout box to the 'Latest Articles' section. On the right side, there is a vertical banner for 'nature REVIEWS CHEMISTRY' with a 'FEBRUARY ISSUE' and 'Read the latest content' text.

Springer Link

» Sign up / Log in English Academic edition

Search

Home • Contact Us

» Browse Volumes & Issues Search within this journal

## Journal of Materials Science

ISSN: 0022-2461 (Print) 1573-4803 (Online)

### Description

The Journal of Materials Science publishes reviews, full-length papers, and short Communications recording original research results on, or techniques for studying the relationship between structure, properties, and uses of materials. The subjects are seen from international and interdisciplinary perspectives covering areas including metals, ceramics, glasses, polymers, electrical materials, composite materials, fibers, nanos ... [show all](#)

[Browse Volumes & Issues](#)

### Latest Articles

Original Paper  
**Prediction of the mechanical behavior of flax polypropylene composites based on multi-scale finite element analysis**  
Yucheng Zhong, Le Quan Ngoc Tran, Umeyr Kureemun... (May 2017)  
[» Download PDF \(3379KB\)](#) [» View Article](#)

Original Paper  
**Effect of bimodal pore structure on the bioactivity of poly(lactic-co-glycolic acid)/poly( $\gamma$ -glutamic acid)/Pluronic 17R4 nerve conduits**  
Jung-Hee Lee, Young-Jin Kim (May 2017)  
[» Download PDF \(1783KB\)](#) [» View Article](#)

Impact Factor	Available
2.302	1966 - 2017
Volumes	Issues
52	910
Articles	Open Access
35,470	<a href="#">235 Articles</a>

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журнала

Статистические  
данные

Послед-  
ние  
статьи

# Скачивание статьи

The screenshot shows the Springer Link interface for an article. The article title is "Two-stage hands-on technology activity to develop preservice teachers' competency in applying science and mathematics concepts" from the "International Journal of Technology and Design Education". The page includes a cover image of the journal, author information (Kuen-Yi Lin and P. John Williams), a citation box, a download counter showing 136 downloads, and a table of contents on the right side. Red arrows point from various elements on the page to green callout boxes.

Количество загрузок

Выходные данные журнала

Библиографическое описание статьи

Экспорт цитирований

Загрузка статьи

Поделиться статьей

Структура статьи



# Springer Protocols

<http://www.springerprotocols.com/>

- Регулярно обновляемая электронная коллекция протоколов лабораторных исследований в области наук о жизни.

The screenshot shows the Springer Protocols website in a browser window. The page features a header with the Springer Protocols logo and navigation links (HOME, MY ACCOUNT, MY PROTOCOLS). Below the header, there is a search bar and a "Browse by Subject" section. The "Browse by Subject" section lists various scientific fields such as Biochemistry, Biotechnology, Cell Biology, and Immunology. There are also sections for "Most Popular Protocols" and "New Protocols". The left sidebar contains links for Mobile, Upload a Protocol, Protocol Alert, Video Protocols, Comments, Favorites, and RSS. The right sidebar contains links for Source Title List, New Protocols, Free Protocols, Popular Protocols, Tour, For Contributors/Editors, and For Library Admins.

# Springer Protocols

The screenshot shows the Springer Protocols website with several key features highlighted by red arrows and green callout boxes:

- Search by Keyword:** A red arrow points from the callout box "Поиск по ключевым словам" to the "Search Protocols" search bar.
- Search by Subject:** A red arrow points from the callout box "Поиск по предметной рубрике" to the "Browse by Subject" section.
- Search by Characteristics:** A red arrow points from the callout box "Поиск по характеристикам протоколов" to the "Inside SpringerProtocols" sidebar.

The website interface includes the following elements:

- Header:** Springer Protocols logo, Springer logo, and navigation links: ABOUT US, RSS, HELP, HOME, MY ACCOUNT, MY PROTOCOLS.
- Welcome Message:** Welcome. Sign in [here](#). New user? Register [here](#).
- Left Sidebar:**
  - Mobile:** SpringerProtocols goes mobile! Learn about our new mobile site, available now.
  - Upload a Protocol:** Upload your own protocols for personal use.
  - Protocol Alert:** Receive e-mail notifications about new content on SpringerProtocols.
  - Video Protocols:** View our video protocols.
  - Comments:** Read comments by other users and add your own.
  - Favorites:** Save your favorite protocols to your My Protocols area.
  - RSS:** RSS Feeds
- Search Section:** Search Protocols (input field and Search button), Advanced Search.
- Browse by Subject:**
  - Biochemistry
  - Biotechnology
  - Cell Biology
  - Imaging/Radiology
  - Infectious Diseases
  - Molecular Medicine
  - Pharmacology/Toxicology
  - Protein Science
  - Bioinformatics
  - Cancer Research
  - Genetics/Genomics
  - Immunology
  - Microbiology
  - Neuroscience
  - Plant Sciences
- Most Popular Protocols:**
  - Adaptation of Mammalian Cells to Growth in Serum-Free M...
  - Critical Appraisal of the MTT Assay in the Presence of ...
  - Streptozotocin, Type I Diabetes Severity and Bone
  - Comparison of Enzymatic and Non-Enzymatic Means of Diss...
  - Dissection of Rodent Brain Regions
- New Protocols:**
  - MicroRNAs in Therapy and Toxicity
  - Genetics and Epigenetics of Multiple Sclerosis
- Inside SpringerProtocols:**
  - Source Title List
  - New Protocols
  - Free Protocols
  - Popular Protocols
  - Tour
  - For Contributors/Editors
  - For Library Admins

Поиск по  
ключевым  
словам

Поиск по  
предметной  
рубрике

Поиск по  
характери-  
стик  
кам  
протоко-  
лов

# Springer Protocols

Сортировка  
протоколов  
по году  
издания

Можно  
посмотреть  
аннотацию  
протокола,  
текст, а также  
скачать его в  
формате pdf.

The screenshot shows the Springer Protocols website interface. On the left, a sidebar contains a list of scientific categories with their respective counts, such as 'Oxidative Stress (100)', 'Nanotechnology (41)', and 'Analytical Chemistry (369)'. Below this is a 'Browse by Year' section with a list of year ranges and their corresponding counts, including '2015-2017 (506)', '2012-2014 (609)', and '1979-1981 (19)'. At the bottom of the sidebar is a 'Mobile' section. The main content area displays a list of protocols, each with a title, author(s), publication date, DOI, and a summary. The first protocol is 'Microwave Polymerization in Thin Layers of London Resin White Allows Selection of Specimens for Immunogold Labeling' by Jennifer E. Lonsdale, Kent L. McDonald, and Russell L. Jones, published in Jan-01-2001. The second is 'In Vivo Microwave-Assisted Labeling of Allium and Drosophila Nuclei' by Mark A. Sanders and David M. Gartner, also published in Jan-01-2001. The third is 'Microwave-Assisted Cytochemistry: Accelerated Visualization of Acetylcholinesterase at Motor Endplates' by John P. Petrali and Kenneth R. Mills, published in Jan-01-2001. The fourth is 'Microwave-Assisted Immunoelectron Microscopy of Skin: Localization of Laminin, Type IV Collagen, and Bullous Pemphigoid Antigen' by John P. Petrali and Kenneth R. Mills, published in Jan-01-2001. The fifth is 'Microwave Paraffin Techniques for Botanical Tissues' by Denise Schichnes, Jeffrey A. Nemson, and Steven E. Ruzin, published in Jan-01-2001. Each entry includes links for 'Abstract', 'Full Text', and 'PDF'.

# Springer Protocols: ТЕКСТ ПРОТОКОЛА



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### Contents of this article

- 1 Introduction
- 2 Materials and Methods
  - 2.1 Protocol Outline for TE...
  - 2.2 Determination of Sample...
  - 2.3 MWProcessing Steps for ...
- 3 Results
- 4 Discussion

References 

### Browse by Subject

- Biochemistry (4233)
- Bioinformatics (962)
- Biotechnology (1270)
- Cancer Research (1959)
- Cell Biology (7067)
- Genetics/Genomics (5997)
- Imaging/Radiology (751)
- Immunology (2759)
- Infectious Diseases (1344)
- Microbiology (2476)
- Molecular Medicine (2419)
- Neuroscience (2914)
- Pharmacology/Toxicology (2234)
- Plant Sciences (2808)
- Protein Science (5358)

## 1. Overview of Microwave-Assisted Tissue Processing for Transmission Electron Microscopy

**By:** Richard S. Demaree Jr.<sup>3</sup>, Richard T. Giberson<sup>4</sup>

**Affiliation(s):** (3) Department of Biological Sciences, California State University, Chico, CA  
(4) Ted Pella Inc., Redding, CA

**Book Title:** [Microwave Techniques and Protocols](#)

**Series:** No Series | **Year:** 2001 | **Page Range:** 1-11 | **DOI:** 10.1007/978-1-59259-128-2\_1

**Subject:** [Biochemistry](#)

**Abstract**

[Download PDF \(1384K\)](#) 

The purpose of this book is to provide new, reliable, and recently updated protocols for processing many different kinds of samples, using microwave (MW) technology. Chapters included deal with a wide variety of methods and samples, everything from paraffin processing for light microscopy (LM) to scanning and transmission electron microscopy (TEM), to immunocytochemistry.

### 1 Introduction

The purpose of this book is to provide new, reliable, and recently updated protocols for processing many different kinds of samples, using microwave (MW) technology. Chapters included deal with a wide variety of methods and samples, everything from paraffin processing for light microscopy (LM) to scanning and transmission electron microscopy (TEM), to immunocytochemistry.

MW-assisted processing of microscopy samples has a long, convoluted history beginning with the pioneering efforts of (1970) and (1972). The first LM and TEM report, utilizing MW-enhanced aldehyde fixation of tissues, was by (1982). Of the scattered reports that then began appearing in the literature, most reported using MW-assisted processing for the fixation step. Login et al. have chronicled these events in a series of reviews (Login and Dvorak, 1993; Login and Dvorak, 1994; Login et al., 1996).

In 1995, Giberson and Demaree reported ice-encased fixation in the MW as a means to control the effects of heating for TEM sample processing. Shortly thereafter, the authors described protocols for rapid, reliable MW polymerization of resin (Demaree et al., 1995) and complete MW tissue processing from fixation to polymerized resin blocks (Giberson and Demaree, 1995). In 1997, an updated, complete protocol was reported, utilizing

### Inside SpringerProtocols

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# Springer Materials

<http://materials.springer.com/>

Выбор  
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Springer Materials

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- Adsorption
- Inorganic Solid Phases
- MSI Eureka
- Polymer Thermodynamics
- Substance Profile
- Thermophysical Properties

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from the Landolt-Börnstein New Series, the Linus Pauling Institute, and other integrated resources - [find out how it can work for you](#)

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**Content Updates in December 2016**  
Updates to the Landolt-Börnstein, SpringerMaterials Fundamentals, and MSI Database are now available. [View more...](#)

**Inorganic Solid Phases Updates**  
The Inorganic Solid Phases collection has been further expanded and now includes tens of thousands of new crystal structures and physical property data. In addition to thousands of new interactive binary and ternary phase diagrams, phase stability range tables are also now available for nearly ten thousand binary phase diagrams.

**Citation Exporting**  
Citations for SpringerMaterials content are now directly exportable in the .bib, .EndNote, or

Платформа для доступа к регулярно обновляемым базам данных по материаловедению издательства Springer. Включает характеристики и свойства 250000 веществ и материалов. Данные включаются в базы на основании экспертной оценки публикаций 8 000 профильных журналов.

# Springer Materials

Home Search by Elements Search by Structure Corrosion Search Contact us

Refine your search

**133,133** Result(s) for "

Data source: **Landolt-Börnstein**

Page 1 of 6,657

Landolt-Börnstein - Group III Condensed Matter

**Nuclear magnetic resonance data of C<sub>13</sub>H<sub>16</sub>O**

This document is part of Part 1 'Aliphatic Compounds' of Subvolume D 'Chemical Shifts and Coupling Constants for Carbon-13' of Landolt-Börnstein III/35 'Nuclear Magnetic Resonance Data', Group III 'Condensed...'

Landolt-Börnstein - Group III Condensed Matter

**Refractive index of the mixture (1) methanol; (2) ethyl acetate**

This document is part of Volume 47 'Optical Constants - Refractive Indices of Pure Liquids and Binary Liquid Mixtures (Supplement to III/38)' of Landolt-Börnstein Group III 'Condensed Matter'.

Landolt-Börnstein - Group II Molecules and Radicals

**1.1.5 Acyl radicals**

This document is part of Subvolume A 'Carbon-Centered Radicals I' of Volume 13 'Radical Reaction Rates in Liquids' of Landolt-Börnstein - Group II Molecules and Radicals.

Landolt-Börnstein - Group IV Physical Chemistry

**Viscosity of cyclohexanol**

This document is part of Volume 25 'Viscosity of Pure Organic Liquids and Binary Liquid Mixtures (Supplement to IV/18)' of Landolt-Börnstein Group IV 'Physical Chemistry'.

Landolt-Börnstein - Group II Molecules and Radicals

**31 Br<sub>2</sub>H<sub>2</sub>S Dibromine - hydrogen sulfide (1/1)**

This document is part of Part 1 of Subvolume D 'Asymmetric Top Molecules' of Volume 29 'Molecular Constants Mostly from Microwave, Molecular Beam, and Sub-Doppler Laser Spectroscopy' of Landolt-Börnstein - G...

Data source	Count
<input checked="" type="checkbox"/> Landolt-Börnstein	133133
<input type="checkbox"/> Adsorption	581
<input type="checkbox"/> Book Profiles	485
<input type="checkbox"/> Inorganic Solid Phases	384337
<input type="checkbox"/> MSI Eureka	82482
<input type="checkbox"/> Polymer Thermodynamics	149
<input type="checkbox"/> Substance Profiles	32434
<input type="checkbox"/> Thermophysical Properties	6273

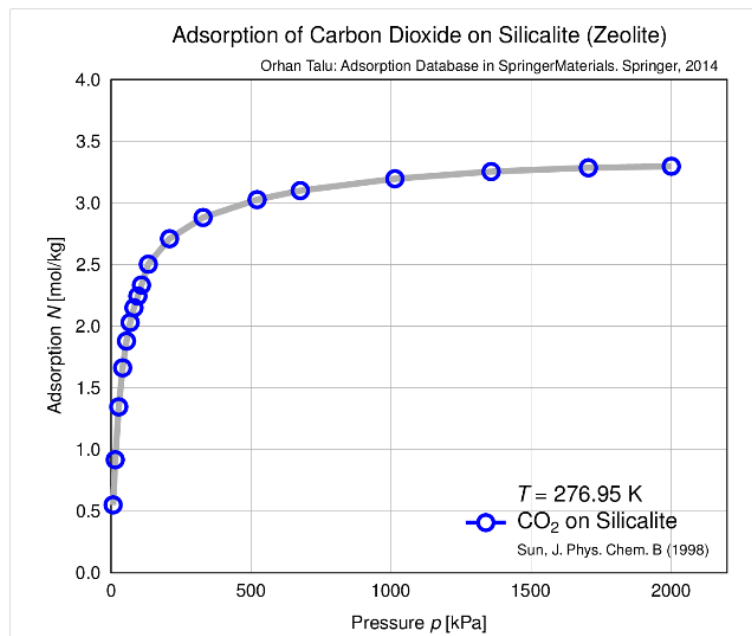
Discipline	Count
<input type="checkbox"/> Advanced Technologies	385
<input type="checkbox"/> Biophysics	408
<input type="checkbox"/> Electromagnetism	38108
<input type="checkbox"/> Geo- And Astrophysics	692
<input type="checkbox"/> Mechanics	3860
<input type="checkbox"/> Molecules And Radicals	41341
<input type="checkbox"/> Optics	12099
<input type="checkbox"/> Particle, Nuclear And Atomic Physics	18910
<input type="checkbox"/> Solid-State Physics	25931
<input type="checkbox"/> Thermodynamics	27717

Properties	Count
<input type="checkbox"/> 113cd Nuclear Magnetic Resonance Spectrum	1
<input type="checkbox"/> 11b Magic-Angle Spinning Nuclear Magnetic Resonance Spectrum	1
<input type="checkbox"/> 11b Nuclear Magnetic Resonance Spectrum	4230
<input type="checkbox"/> 129xe Nuclear Magnetic Resonance Spectrum	3
<input type="checkbox"/> 133cs Magic-Angle Spinning Nuclear Magnetic Resonance Spectrum	2

Ограниче-  
ние  
результатов  
поиска по  
дисциплине

Ограниче-  
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поиска по  
свойствам  
материалов

# Springer Materials: свойства материалов



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CSV

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## Properties

### Adsorbate

Molecular Formula: CO<sub>2</sub>  
Molecular Weight: 44.01  
CAS Number: 124-38-9  
Normal Boiling Point  $T_{\text{nbp}}$ : K  
Critical Temperature  $T_c$ : 304.18 K  
Critical Pressure  $P_c$ : 7380 kPa  
Critical Volume  $V_c$ : 91.9 cm<sup>3</sup>/mol

### Adsorbent

Solid Class: Zeolite  
Solid Subclass: MFI  
Form: Powder  
Supplier: –  
Description:  
Regeneration: 3 hr, 10 torr He flow, 300 °C  
Note: Laboratory-synthesized  
Size: 35×35×50 μm, crystals

### Experimental Setup

Original Data Publication Format: Table  
Laboratory: Talu  
Method: Gravimetric  
Apparatus: –  
Quality: –  
Remark: –

# Springer Materials:

## ПОИСК ПО ХИМИЧЕСКИМ ЭЛЕМЕНТАМ

Springer Materials

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MA Group AG - full access  
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### Search by Elements

Select the component elements in the periodic table below, then choose the desired system from the panel on the right.

1	2	3																	18			
H	He	Li	Be	B	C	N	O	F	Ne											Ar		
Na	Mg	Al	Si	P	S	Cl	Ar											Kr				
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr			Xe		
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe			Rn		
Cs	Ba	*	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn					
Fr	Ra	**	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Uu	Uu	Uu	Uu	Uu	Uu					
			57	58	59	60	61	62	63	64	65	66	67	68	69	70	71					
			La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu					
			**	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103				
			Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr					

\* = No results in SpringerMaterials when combined with your selection

**Your Selection**  
Mn

**10668** Matching element systems

- Mn (136)
- Ac-Mn (1)
- Ag-Mn (54)
- Al-Mn (132)
- As-Mn (99)
- Au-Mn (103)
- B-Mn (87)
- Ba-Mn (5)
- Be-Mn (10)
- Bi-Mn (39)
- Br-Mn (27)

Reset

Refine your search **199** Result(s) for 'Cr'

Data source

Page 1 of 10





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### Corrosion Search

Find out a corrosion rate and its relevant details by entering a material and/or environment into the search box below.

text: iron x  
Enter material and/or environment

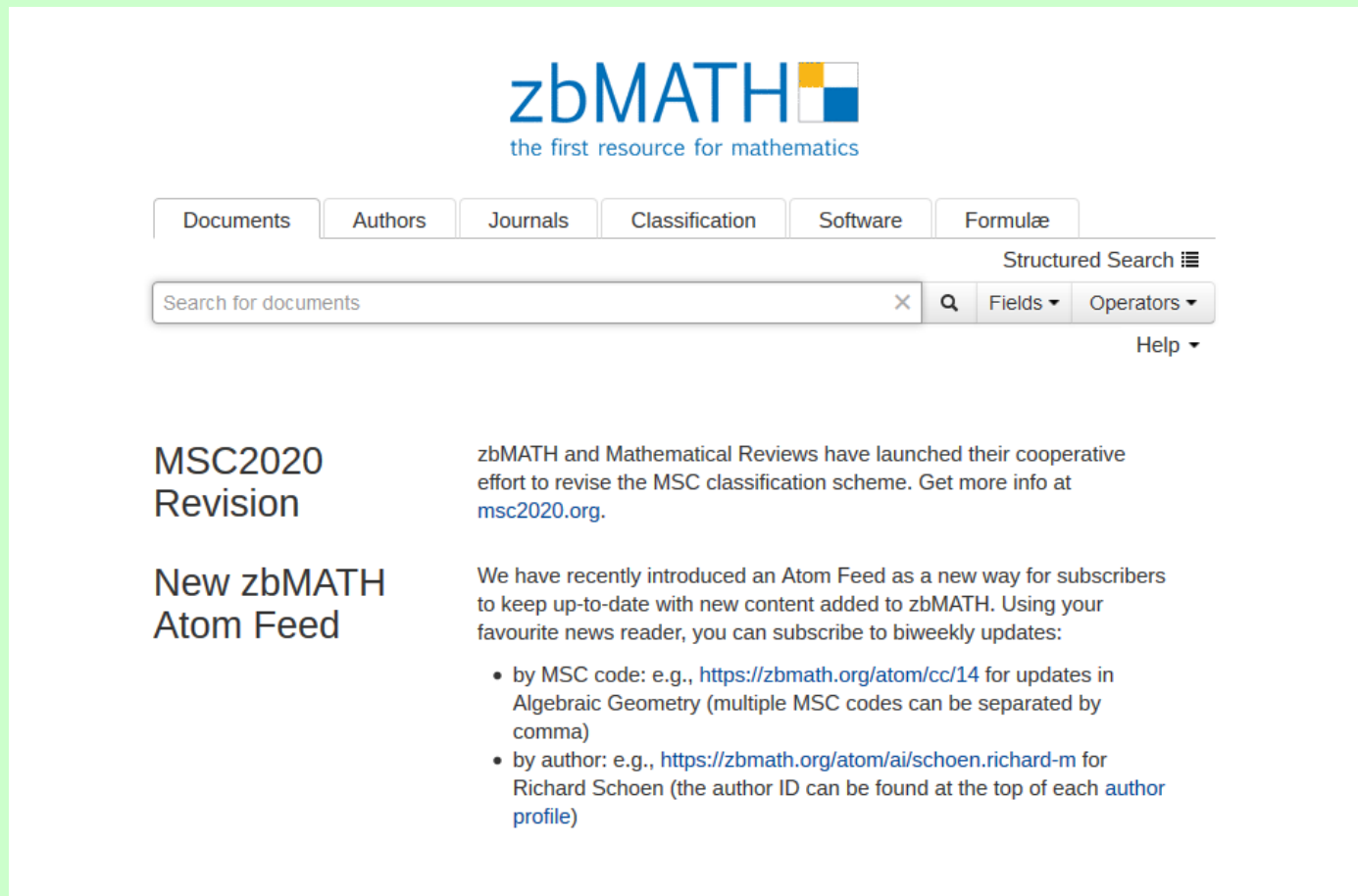
89 results 1 of 9

Material	Environment	Rating	Show all details
301 stainless steel	Iron Phosphate	A (Resistant) ≤ 0.125 mm/year	More details
302 stainless steel	Iron Phosphate	A (Resistant) ≤ 0.125 mm/year	More details
303 stainless steel	Iron Phosphate	A (Resistant) ≤ 0.125 mm/year	More details
304 stainless steel	Iron Phosphate	A (Resistant) ≤ 0.125 mm/year	More details
304L stainless steel	Iron Phosphate	A (Resistant) ≤ 0.125 mm/year	More details

# Zentralblatt MATH

<https://zbmath.org/>

- Одна из наиболее полных и авторитетных реферативных и обзорных баз данных по чистой и прикладной математике.



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Below the logo is a horizontal navigation bar with buttons for "Documents", "Authors", "Journals", "Classification", "Software", and "Formulæ". To the right of these buttons is a "Structured Search" icon (three horizontal lines) and a search input field containing the text "Search for documents". To the right of the search field are buttons for "Fields" and "Operators", and a "Help" link with a dropdown arrow.

Below the navigation bar, there are two main sections:

- MSC2020 Revision**: A text block stating "zbMATH and Mathematical Reviews have launched their cooperative effort to revise the MSC classification scheme. Get more info at [msc2020.org](https://msc2020.org)."
- New zbMATH Atom Feed**: A text block stating "We have recently introduced an Atom Feed as a new way for subscribers to keep up-to-date with new content added to zbMATH. Using your favourite news reader, you can subscribe to biweekly updates:" followed by two bullet points:
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# Zentralblatt MATH:

## ПОИСК ПО КЛЮЧЕВЫМ СЛОВАМ, работа с результатами поиска

zbMATH Documents Authors Journals Classification Software Formulæ

Structured Search

operator Q Fields Operators

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**Found 174609 documents** (Results 1–100)

Dimassi, Mouez; Duong, Anh Tuan  
**Scattering and semi-classical asymptotics for periodic Schrödinger operators with oscillating decaying potential.** (English) [Zbl 06686886](#)  
Math. J. Okayama Univ. 59, 149-174 (2017).  
MSC: 81Q10 35P20 47A55 47N50 81Q15  
[PDF](#) [BibTeX](#) [XML](#)

Liu, Sai; Long, Yiming  
**A new index theory for  $GL^*(2)$ -paths with applications to asymptotically linear systems.** (English) [Zbl 06686820](#)  
J. Differ. Equations 262, No. 9, 4635-4655 (2017).  
MSC: 58E05 34A30 34C25  
[PDF](#) [BibTeX](#) [XML](#) [Full Text](#) [DOI](#)

Cuenin, Jean-Claude  
**Eigenvalue bounds for Dirac and fractional Schrödinger operators with complex potentials.** (English) [Zbl 06686614](#)  
J. Funct. Anal. 272, No. 7, 2987-3018 (2017).  
MSC: 47 35  
[PDF](#) [BibTeX](#) [XML](#) [Full Text](#) [DOI](#)

Ji, Kui; Jiang, Chunlan; Keshari, Dinesh Kumar; Misra, Gadadhar  
**Rigidity of the flag structure for a class of cowen-Douglas operators.** (English) [Zbl 06686611](#)  
J. Funct. Anal. 272, No. 7, 2899-2932 (2017).  
MSC: 47B32 47B35  
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Helmer, Leonid  
**Reflexivity of non-commutative Hardy algebras.** (English) [Zbl 06686608](#)  
J. Funct. Anal. 272, No. 7, 2752-2794 (2017).

**Filter recent results by ...**

**Authors** [all](#)

Argyros, Ioannis Konstantinos (406)  
Darus, Maslina (228)  
Aouf, Mohamed Kamal (208)  
Fan, Hong-Yi (149)  
Papageorgiou, Nikolaos S. (142)

**Journals** [all](#)

J. Math. Anal. Appl. (2540)  
Integral Equations Oper. Theory (1395)  
J. Funct. Anal. (1349)  
Proc. Am. Math. Soc. (1024)  
Nonlinear Anal., Theory Methods Appl., Ser. A, Theory Methods (1006)

**Classification** [all](#)

47-xx (31601)  
35-xx (20641)  
46-xx (12203)  
81-xx (10128)  
65-xx (9214)

**Publication Year** [all](#)

2017 (464)  
2016 (4833)  
2015 (6326)  
2014 (6667)  
2013 (7002)


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# Zentralblatt MATH: поиск по фамилии автора

На странице  
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его соавторах,  
о публикациях  
и  
цитированиях.

zbMATH  Documents **Authors** Journals Classification Software Formulae

ai:ivanov.a-g   Fields  Help

**Ivanov, A. G.**

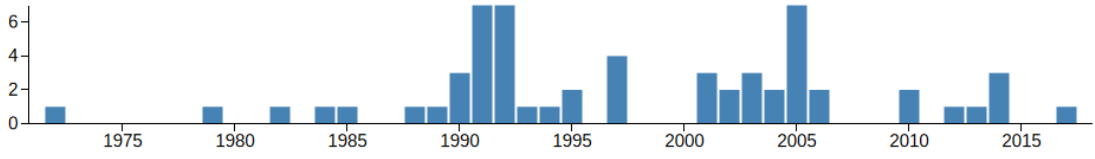
Author ID: ivanov.a-g Compute Distance to:

Published as: Ivanov, A.; Ivanov, A.G.

Documents indexed: 59 Publications since 1972

Co-Authors	Journals	Classification
<input type="button" value="all"/> <ul style="list-style-type: none"><li>6 Danilov, Leonid I.</li><li>5 Tonkov, Evgenii Leonidovich</li><li>1 Cherenkov, A.P.</li><li>1 Chernykh, N. I.</li><li>1 Cieslik, Dietmar</li></ul>	<input type="button" value="all"/> <ul style="list-style-type: none"><li>8 Differential Equations</li><li>6 Differential Equations</li><li>5 Russian Mathematics</li><li>3 Journal of Applied Mathematics and Mechanics</li><li>3 Differentsial'nye Uravneniya</li></ul>	<input type="button" value="all"/> <ul style="list-style-type: none"><li>18 Calculus of variations and optimal control; optimization (49-XX)</li><li>16 Systems theory; control (93-XX)</li><li>15 Ordinary differential equations (34-XX)</li><li>6 Mathematical logic and foundations (03-XX)</li><li>6 Harmonic analysis on Euclidean spaces (42-XX)</li></ul>

**Publications by Year**



Citations contained in zbMATH (collection of data to be completed)

8 Publications have been cited 10 times in 9 Documents

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Documents

Authors

Journals

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se:00001950

X

Q

Fields ▾

Operators ▾

Help ▾

## Algebra Colloquium

**Short Title:** Algebra Colloq.

**ISSN:** 1005-3867; 0219-1733/e

**Publisher:** World Scientific, Singapore; Chinese Academy of Sciences, Academy of Mathematics & Systems Science, Beijing; Suzhou University, Suzhou

**Online:** <http://www.worldscientific.com/loi/ac>

**Comments:** Indexed cover-to-cover

**Documents indexed:** 1324 Publications since 1994

### Authors

all ▾

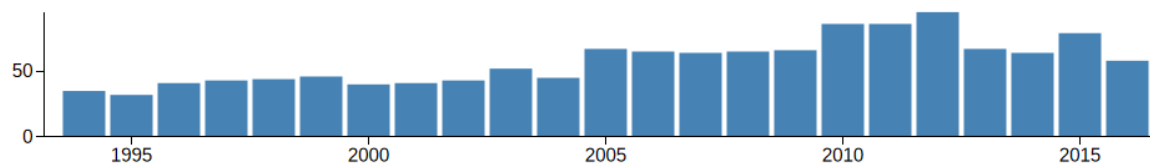
37 Shum, Kar-Ping  
19 Chen, Huanyin  
11 Shi, Wujie  
11 Yassemi, Siamak  
9 Chen, Jianlong

### Classification

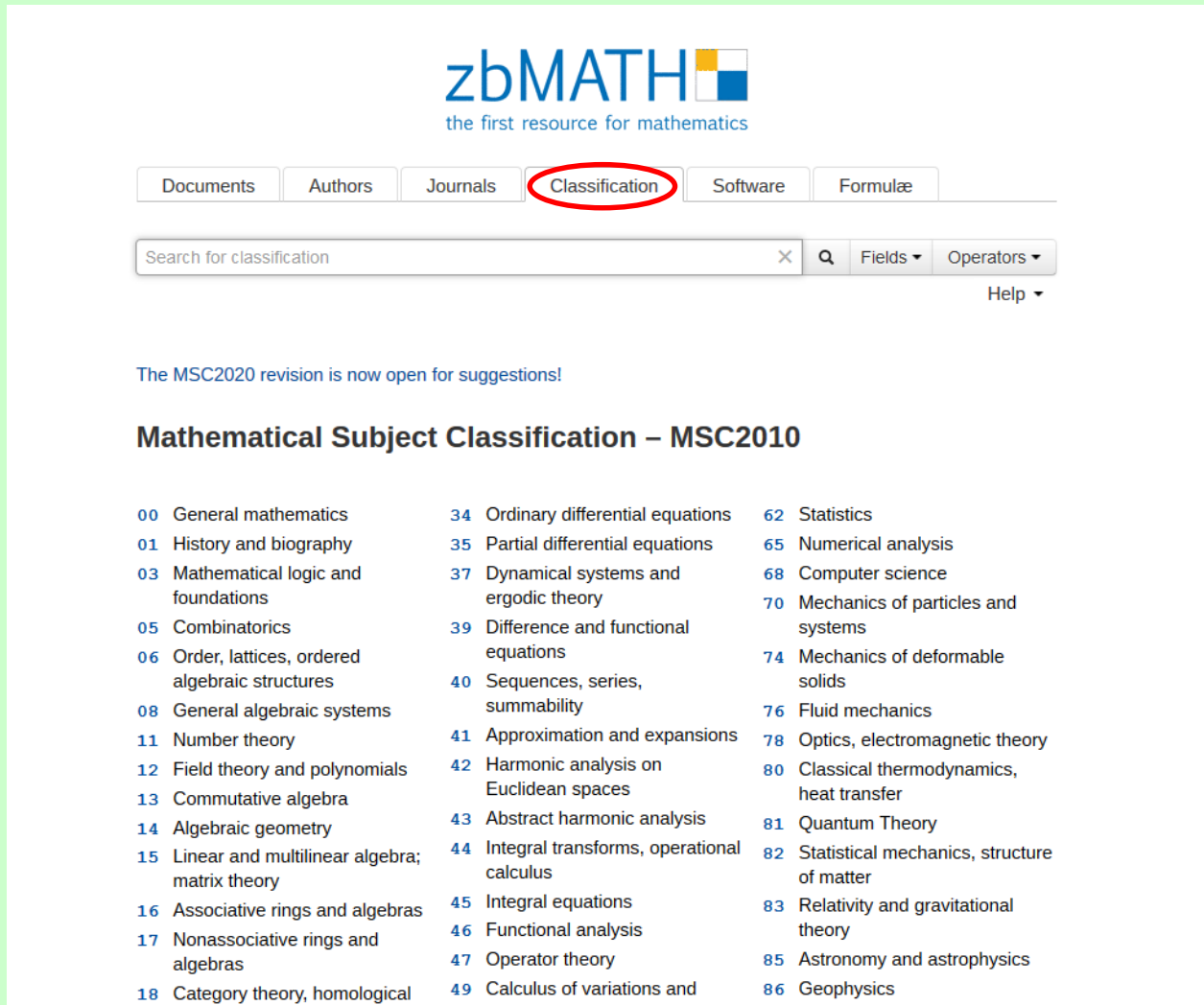
all ▾

535 Group theory and  
generalizations (20-XX)  
413 Associative rings and  
algebras (16-XX)  
195 Commutative algebra (13-XX)  
186 Nonassociative rings and  
algebras (17-XX)  
108 Combinatorics (05-XX)

### Publications by Year



# Zentralblatt MATH: ПОИСК ПО КЛАССИФИКАЦИИ



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Documents Authors Journals **Classification** Software Formulæ


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00 General mathematics	34 Ordinary differential equations	62 Statistics
01 History and biography	35 Partial differential equations	65 Numerical analysis
03 Mathematical logic and foundations	37 Dynamical systems and ergodic theory	68 Computer science
05 Combinatorics	39 Difference and functional equations	70 Mechanics of particles and systems
06 Order, lattices, ordered algebraic structures	40 Sequences, series, summability	74 Mechanics of deformable solids
08 General algebraic systems	41 Approximation and expansions	76 Fluid mechanics
11 Number theory	42 Harmonic analysis on Euclidean spaces	78 Optics, electromagnetic theory
12 Field theory and polynomials	43 Abstract harmonic analysis	80 Classical thermodynamics, heat transfer
13 Commutative algebra	44 Integral transforms, operational calculus	81 Quantum Theory
14 Algebraic geometry	45 Integral equations	82 Statistical mechanics, structure of matter
15 Linear and multilinear algebra; matrix theory	46 Functional analysis	83 Relativity and gravitational theory
16 Associative rings and algebras	47 Operator theory	85 Astronomy and astrophysics
17 Nonassociative rings and algebras	49 Calculus of variations and optimal control; optimization	86 Geophysics


# Поиск по математическому программному обеспечению




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ADOL-C



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**ADOL-C** Referenced in 163 articles [sw00019]  
ADOL-C: Automatic Differentiation of C/C++ We present two strategies for the implementation of Automatic ... tool  
ADOL-C that applies operator overloading to differentiate C- and C++-code. Finally ... discuss some applications of  
ADOL-C...

**CppAD** Referenced in 15 articles [sw04866]  
Benders decomposition example using both the ADOL-C and CppAD packages. Some of the source ... well as future  
versions of ADOL-C and CppAD. The source code also serves...

**ADMIT** Referenced in 20 articles [sw02687]  
plugged into ADMIT-1; examples include ADOL-C (C/C++ target functions)and ADMAT (MATLAB target...

**ADOL-F** Referenced in 8 articles [sw00020]  
Fortran 90 interface to the ADOL-C library and facilitates the evaluation of first ... program. Fortran 90 allows operator  
overloading (like C++) but lacks constructor/destructor operators for user-defined ... active temporary variables than  
does ADOL-C. The derivative calculations involve a possibly substantial...

**hess\_pat** Referenced in 7 articles [sw11167]  
adjoints is analysed. New drivers of ADOL-C are provided implementing the presented algorithms. Runtime...

**freEDA** Referenced in 2 articles [sw07476]  
device model development with freEDA and ADOL-C Time-marching simulation of electronic circuits using ... this  
implementation is the ADOL-C package, which is used to automatically evaluate the derivatives...

**edge\_push\_sp** Referenced in 2 articles [sw11168]  
automatic differentiation package ADOL-C. The second is edge\_push\_sp, a new reverse mode...



# Поиск по формулам

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**Found 375 documents** (Results 1–100)

[Kazalicki, Matija; Scholl, Anthony J.](#)  
**Modular forms, de Rham cohomology and congruences.** (English) [Zbl 1337.14021](#)  
Trans. Am. Math. Soc. 368, No. 10, 7097-7117 (2016).  
MSC: 14F40 11F33 11F80 Reviewer: Andrzej Dąbrowski (Szczecin)  
[PDF](#) [BibTeX](#) [XML](#) Full Text: [DOI](#)

[Feng, Qiang](#)  
**The shuffle variant of Jeśmanowicz conjecture.** (Chinese. English summary)  
[Zbl 1349.11072](#)  
Math. Pract. Theory 45, No. 16, 312-315 (2015).  
MSC: 11D61  
[PDF](#) [BibTeX](#) [XML](#)

[Houzel, Christian](#)  
**Euler's works in number theory. (L'œuvre d'Euler en théorie des nombres.)** (French)  
[Zbl 1327.01021](#)  
Hascher, Xavier (ed.) et al., Leonhard Euler. Mathématicien, physicien et théoricien de la musique. Paris: CNRS Éditions (ISBN 978-2-271-08331-9/pbk). Sciences de la Musique. Série Études, 395-411 (2015).  
MSC: 01A50 11-03 01A70 Reviewer: Victor V. Pambuccian (Phoenix)  
[PDF](#) [BibTeX](#) [XML](#)

[Ma, Mi-Mi; Wu, Jian-Dong](#)  
**On the Diophantine equation  $(an)^x + (bn)^y = (cn)^z$ .** (English) [Zbl 1335.11027](#)  
Bull. Korean Math. Soc. 52, No. 4, 1133-1138 (2015).  
MSC: 11D61 Reviewer: Le Maohua (Zhanjiang)  
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[Miyazaki, Takafumi](#)  
**A remark on Jeśmanowicz' conjecture for the non-coprimality case.** (English)  
[Zbl 1330.11021](#)

**Filter results by ...**

**Authors** all

- Grytczuk, Aleksander (10)
- Miyazaki, Takafumi (9)
- Le, Maohua (8)
- Bialek, Krystyna (5)
- Ribenboim, Paulo (5)

**Journals** all

- Acta Arith. (14)
- Fibonacci Q. (12)
- Math. Mag. (8)
- Am. Math. Mon. (7)
- J. Number Theory (6)

**Classification** all

- 11-xx (251)
- 14-xx (38)
- 51-xx (19)
- 15-xx (16)
- 53-xx (16)

**Publication Year** all

- 2016 (1)
- 2015 (7)
- 2014 (18)
- 2013 (22)
- 2012 (14)