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Электронная система поиска Скопус. Особенности работы

С.М. Пестов

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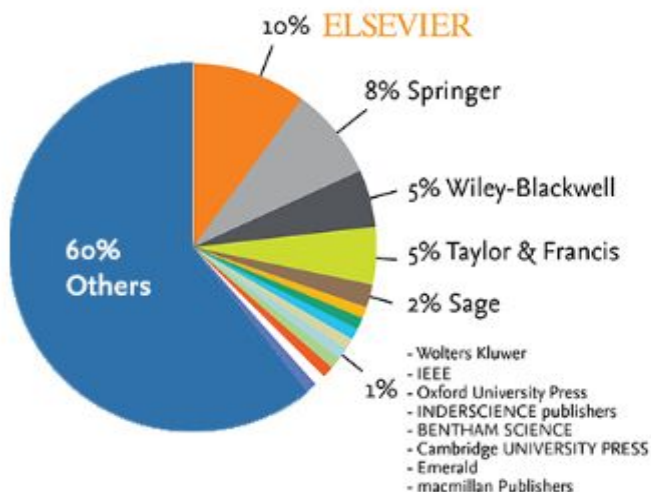
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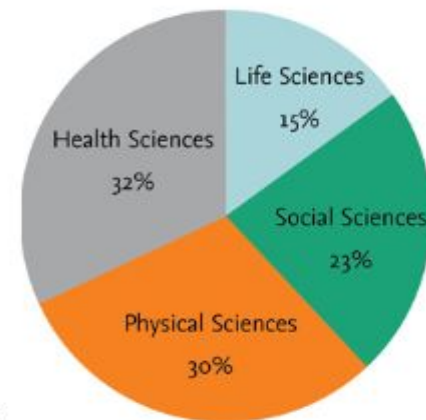
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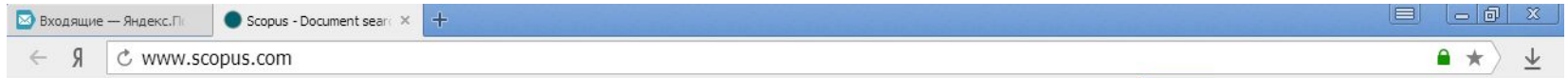


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adsorption of copper along with **gold** causes difficulty in separating **gold** and copper at the **gold** elution stage. Our previous study has demonstrated that nickel catalyzed ammonium thiosulfate solution for **gold** extraction has the advantage of reducing thiosulfate consumption. In this study, the results also demonstrated the advantage of **gold recovery** from the nickel catalyzed ammonium thiosulfate solution by strongly basic anion **exchange resin**. The optimal **gold** loading conditions on a 1 g/dm³ strongly base anion **exchange resin** (wet base value) are investigated in several **ion** concentrations and 95 kg-Au/t-**resin** has been obtained. The alternative **gold** eluant was investigated as the **gold** loaded **resin** cannot be eluted by conventional hydrochloric acid. Results showed that the elution efficiency was in the order of OH⁻ < Cl⁻ < NO₃⁻ < Br⁻ < I⁻ < ClO₄⁻. The maximum **gold recovery** by using 2.5 mol/dm³ ClO₄⁻ was around 98% with the stripped **resin** assayed as 0.2kg/tAu. The feasibility of **resin** recycling has demonstrated that there was no deterioration in **gold** adsorption and desorption for four cycles.

Leaching and recovery of gold using ammoniacal thiosulfate leach liquors (a review) 65 Grosse, A.C., Dicinovski, G.W., Shaw, M.J., Haddad, P.R. 2003 Hydrometallurgy 69 (1-3), pp. 1-21 92 Cited by

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A review is presented summarising the leaching of **gold** with ammoniacal thiosulfate solutions, and evaluating the current use and development of **ion exchange resins** for the **recovery of gold** and silver from such leach liquors. Comparisons are also made with other **recovery** processes, including carbon adsorption, solvent extraction, electrowinning and precipitation. Thiosulfate leaching chemistry is compared with cyanide leaching, and the problems associated with obtaining a high yield of recovered **gold** using the former process are discussed. The present limitations of using **Resin-in-Pulp (RIP)** and **Resin-in-Leach (RIL)** systems with thiosulfate liquors are indicated and possible solutions discussed. © 2002 Elsevier Science B.V. All rights reserved.

Recent advances in the development of an alternative to the cyanidation process: Thiosulfate leaching and resin in pulp 66 Fleming, C.A., McMullen, J., Thomas, K.G., Wells, J.A. 2003 Minerals and Metallurgical Processing 39

A process based on thiosulfate leaching followed by **resin-in-pulp gold** extraction was developed to treat the carbonaceous, preg-robbing ores of Barrick's Goldstrike orebody in the Carlin Trend of Nevada. These ores have proven to be amenable to thiosulfate leaching under mild conditions. **Gold** leaches rapidly as the **gold** thiosulfate complex, which, because of its low affinity for graphitic carbon, does not suffer the preg-robbing phenomenon that is a feature of these ores in cyanide leach circuits. The mild leaching conditions are also compatible with a **gold-recovery** process involving direct **recovery** from the leach pulp by adsorption on strong-base anion-**exchange resins**. Finally, a novel elution/regeneration process was developed to elute the **gold** off the **resin**, recover the **gold** from the eluate and restore the **resin** for recycling to the adsorption circuit.

Determination of trace gold by on-line enrichment flow injection flame atomic absorption spectrometry with N1923 levetrel resin 67 Ye, M.D., Xue, X.Y. 2003 Guang pu xue yu guang pu fen xi = Guang pu 1

A new method for the determination of micro amount of **gold** with N1923 levetrel **resin** by flow injection on-line separation and flame atomic absorption spectrometry is described. Au (III) absorbed on the **resin** can be eluted quantitatively using sulphuric-urea solution. The absorption is carried out in 1.0 mol.L⁻¹ HCl medium and the enhancement factor of 32 is achieved for a loading period of 90 s. The detection limit is 0.001 microgram.mL⁻¹. The flow rate of sample injection, the time of extraction, the flow rate of enrichment, the concentration and acidity of eluting and the effect of coexistence element are studied by flame atomic absorption spectrometry. The **recoveries** of Au are 98.3%-101%. The developed method has been applied to the determination of trace **gold** in water samples with satisfactory results.

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^a Camborne School of Mines, College of Engineering, Mathematics and Physical Sciences (CEMPS), University of Exeter, Cornwall, United Kingdom

^b CICITEM, Centro de Investigación Científico Tecnológico para la Minería, Antofagasta, Chile

^c Minerals to Metals Signature Theme, Department of Chemical Engineering, University of Cape Town, Private Bag X6, Rondebosch, South Africa

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Abstract

Heap leaching is a well-established extractive metallurgical technology enabling the economical processing of various kinds of low-grade ores, which could not otherwise be exploited. However, despite much progress since it was first applied in recent times, the process remains limited by low recoveries and long extraction times. It is becoming increasingly clear that the choice of heap leaching as a suitable technology to process a particular mineral resource, which is both environmentally sound and economically viable, very much depends on having a comprehensive understanding of the underlying fundamental mechanisms of the processes and how they interact with the particular mineralogy of the ore body under consideration. This paper provides an introduction to the theoretical background of various heap leach processes, offers a scientific and patent literature overview on technology developments in commercial heap leaching operations around the world, identifies factors that drive the selection of heap leaching as a processing technology, describes challenges to exploiting these innovations, and concludes with a discussion on the future of heap leaching. © 2016 Taylor & Francis.

Author keywords

Agglomeration; copper; gold; heap leaching; hydrometallurgy; mineralogy

ISSN: 08827508 CODEIN: MPERE Source Type: Journal Original language: English

DOI: 10.1080/08827508.2015.1115990 Document Type: Article

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Related documents

Evaluation of stucco binder for agglomeration in the heap leaching of copper ore
Kodali, P., Depci, T., Dhawan, N.
(2011) Minerals Engineering

Phase distribution identification in the column leaching of low grade ores using MRI
Fagan, M.A., Sederman, A.J., Harrison, S.T.L.
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Large particle effects in chemical/biochemical heap leach processes - A review
Ghorbani, Y., Becker, M., Mainza, A.
(2011) Minerals Engineering

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сентябрь 22-23, 2013 Vancouver-Canada

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Brown, S.L.
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U.S. Patent 07 261919

Поиск по веществу (CAS)

The screenshot shows the Scopus search page in Russian. The browser address bar displays <https://www.scopus.com/search/form.uri?display=basic>. The page header includes the Scopus logo and navigation links: Поиск, Источники, Оповещения, Списки, Помощь, SciVal, Зарегистрироваться, and Войти. The main heading is "Поиск документов" with a link to "Сравнить источники". Below this, there are radio buttons for "Документы" (selected), "Авторы", and "Организации", along with a link for "Расширенный поиск" and "Советы по поиску". The search input field contains "65-85-0" and "Номер CAS". A "Поиск" button is visible. At the bottom, there are links for "О системе Scopus", "Язык" (with options for English, Japanese, and Chinese), and "Служба поддержки". The footer includes the Elsevier logo, copyright information, and a RELX logo.

Ion exchange resins – 27675 результатов

“Ion exchange resins” – 17919 результатов

The screenshot shows the Scopus search results page for the query "ion exchange resins". The page displays 17,919 search results. The search criteria are "TITLE-ABS-KEY ('ion exchange resins')". The results are sorted by date (most recent first). The first three results are listed below.

Искать в результатах...

Уточнить результаты
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Тип доступа
 Open Access (1 321)
 Other (16 598)

Год
 2020 (2)
 2019 (375)
 2018 (463)
 2017 (525)
 2016 (512)
Смотреть больше

Автор
 Li, A. (59)

Анализировать результаты поиска
Показать все краткие описания Сортировать по: Дата (самые новые)

Все Экспорт Скачать Просмотреть обзор цитирования Просмотр цитирующих документов
Добавить в список

	Название документа	Авторы	Год	Источник	Цитирования
<input type="checkbox"/> 1	Assessment of commercial acidic ion-exchange resin for ethyl esters synthesis from <i>Acrocomia aculeata</i> (Macaúba) crude oil	Pasa, T.L.B., Souza, G.K., Diório, A., Arroyo, P.A., Pereira, N.C.	2020	Renewable Energy 146, с. 469-476	0
	Просмотр краткого описания	View at Publisher	Связанные документы		
<input type="checkbox"/> 2	Ciprofloxacin desorption from gel type ion exchange resin: Desorption modeling in batch system and fixed bed column	Staudt, J., Scheufele, F.B., Ribeiro, C., (...), Canevesi, R., Borba, C.E.	2020	Separation and Purification Technology 230,115857	0
	Просмотр краткого описания	View at Publisher	Связанные документы		
<input type="checkbox"/> 3	A combined treatment method of novel Mass Bio System and ion exchange for the removal of ammonia nitrogen from micro-polluted water bodies	Tabassum, S.	2019	Chemical Engineering Journal 122217	0
	Просмотр краткого описания	View at Publisher	Связанные документы		

Поиск “Ion exchange resins” по убыванию цитируемости

The screenshot shows a Scopus search results page for the query "Ion exchange resins". The results are sorted by citation count in descending order. The left sidebar contains filters for "Тип доступа", "Год", "Автор", and "Отрасль знаний". The main table lists six results, each with a checkbox, a title, authors, year, source, and citation count. Below each entry are links for "Просмотр краткого описания", "View at Publisher", and "Связанные документы".

	Название документа	Авторы	Год	Источник	Цитирования
<input type="checkbox"/>	1 Removal of heavy metal ions from wastewaters: A review	Fu, F., Wang, Q.	2011	Journal of Environmental Management 92(3), с. 407-418	3408
	Просмотр краткого описания View at Publisher Связанные документы				
<input type="checkbox"/>	2 Extraction of extracellular polymers from activated sludge using a cation exchange resin	Frølund, B., Palmgren, R., Keiding, K., Nielsen, P.H.	1996	Water Research 30(8), с. 1749-1758	1492
	Просмотр краткого описания View at Publisher Связанные документы				
<input type="checkbox"/>	3 Biosorbents for heavy metals removal and their future	Wang, J., Chen, C.	2009	Biotechnology Advances 27(2), с. 195-226	1374
	Просмотр краткого описания View at Publisher Связанные документы				
<input type="checkbox"/>	4 Complex formation between ethidium bromide and nucleic acids	Waring, M.J.	1965	Journal of Molecular Biology 13(1), с. 269-282	1184
	Просмотр краткого описания View at Publisher				
<input type="checkbox"/>	5 Novel Ion Exchange Chromatographic Method Using Conductimetric Detection	Small, H., Stevens, T.S., Bauman, W.C.	1975	Analytical Chemistry 47(11), с. 1801-1809	1122
	Просмотр краткого описания View at Publisher Связанные документы				
<input type="checkbox"/>	6 Phase modifiers promote efficient production of hydroxymethylfurfural from fructose	Román-Leshkov, Y., Chheda, J.N., Dumesic, J.A.	2006	Science 312(5782), с. 1933-1937	1092
	Просмотр краткого описания View at Publisher Связанные документы				

Поиск “Ion exchange resins” (обзоры) – по убыванию цитируемости

The screenshot shows a Scopus search results page for the query "ion+exchange+resins". The results are sorted by citation count in descending order. The left sidebar contains filters for access type, year, author, and knowledge area. The main table lists six review articles with their titles, authors, years, sources, and citation counts.

№	Название документа	Авторы	Год	Источник	Цитирования
1	Removal of heavy metal ions from wastewaters: A review	Fu, F., Wang, Q.	2011	Journal of Environmental Management 92(3), с. 407-418	3408
2	Biosorbents for heavy metals removal and their future	Wang, J., Chen, C.	2009	Biotechnology Advances 27(2), с. 195-226	1374
3	Selective removal of the heavy metal ions from waters and industrial wastewaters by ion-exchange method	Dabrowski, A., Hubicki, Z., Półkościelny, P., Robens, E.	2004	Chemosphere 56(2), с. 91-106	934
4	Review of fluoride removal from drinking water	Mohapatra, M., Anand, S., Mishra, B.K., Giles, D.E., Singh, P.	2009	Journal of Environmental Management 91(1), с. 67-77	438
5	Recovery of gold from secondary sources-A review	Syed, S.	2012	Hydrometallurgy 115-116, с. 30-51	251
6	Taste masking technologies in oral pharmaceuticals: Recent developments and approaches	Sohi, H., Sultana, Y., Khar, R.K.	2004	Drug Development and Industrial Pharmacy 30(5), с. 429-448	244

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Industrial and Engineering Chemistry Research
 Volume 48, Issue 1, 7 January 2009, Pages 388-398

Ion-Exchange resins: A retrospective from industrial and engineering chemistry research (Review)

Alexandratos, S.D. ✉

Department of Chemistry, Hunter College, City University of New York, 695 Park Avenue, New York, NY 10065, United States

Краткое описание [Просмотр приставочных ссылок \(63\)](#)

Ion-exchange resins comprise one of the most important scientific developments of the 20th century. Their applicability to water softening, environmental remediation, wastewater treatment, hydrometallurgy, chromatography, biomolecular separations, and catalysis was recognized in numerous publications. The principle of covalently bonding ligands to cross-linked polymer networks became the basis for the area of polymer-supported reagents. The journal Industrial & Engineering Chemistry Research and its predecessors have published some of the most important papers in this field. In celebration of its 100th anniversary, this review provides a retrospective of ion-exchange resins through publications appearing in this journal. © 2009 American Chemical Society.

Важность темы SciVal [i](#)

Тема: [Asphaltenes](#) | [Molybdenum oxide](#) | [Oil sludge](#)

Процентиль важности: 10.655

Включенные в указатель ключевые слова

Engineering uncontrolled terms: [20th centuries](#) [Biomolecular separations](#) [Chemistry researches](#) [Cross-linked polymers](#) [Environmental remediations](#) [Polymer-supported reagents](#) [Water softening](#)

Engineering controlled terms: [Chromatographic analysis](#) [Crosslinking](#) [Engineering research](#) [Ion exchange resins](#) [Ions](#) [Wastewater](#) [Wastewater reclamation](#) [Wastewater treatment](#)

Engineering main heading: [Ion exchange](#)

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182 [Цитаты в Scopus](#)
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[Epoxidation Kinetics of High-Linolenic Triglyceride Catalyzed by Solid Acidic-Ion Exchange Resin](#)
Kousaalya, A.B., Beyene, S.D., Ayalew, B. (2019) *Scientific Reports*

[Improving chloride ion penetration resistance of cement mortar by strong base anion exchange resin](#)
Zhao, P., Zhou, L., Bai, M. (2019) *Construction and Building Materials*

[Application of poly\(vinylphenyltrimethylammonium tribromide\) resin as an efficient polymeric brominating agent in the \$\alpha\$ -bromination and \$\alpha\$ -bromoacetalization of acetophenones](#)
Han, B., Zheng, Z., Zheng, D. (2019) *Synthetic Communications*

[Просмотреть все 182 цитирующих документов](#)

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обзорная статья („Ion exchange resins”) – Список литературы с DOI

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ISSN: 08885885
CODEN: IECRE
Тип источника: Journal
Язык оригинала: English

DOI: 10.1021/ie801242v
Тип документа: Review

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Все Экспорт Печать Электронная почта Сохранить в PDF Создать библиографию

- 1 Baekeland, L.H.
Original papers: The synthesis, constitution, and uses of bakelite
(1909) *Industrial and Engineering Chemistry*, 1 (3), pp. 149-161. Цитировано 82 раз.
doi: 10.1021/ie50003a004
[View at Publisher](#)
- 2 Baekeland, L.H.
Soluble, fusible, resinous condensation products of phenols and formaldehyde.1
(1909) *Industrial and Engineering Chemistry*, 1 (8), pp. 545-549. Цитировано 16 раз.
doi: 10.1021/ie50008a012
[View at Publisher](#)
- 3 Burrell, H.
Organolites: Organic Base-Exchange Materials
(1938) *Industrial and Engineering Chemistry*, 30 (3), pp. 358-363.
doi: 10.1021/ie50339a031
[View at Publisher](#)
- 4 Schwartz, M.C., Edwards, W.R., Boudreaux, G.
Removal of Chlorides and Sulfates by Synthetic Resins
(1940) *Industrial and Engineering Chemistry*, 32 (11), pp. 1462-1466. Цитировано 2 раз.
doi: 10.1021/ie50371a013
[View at Publisher](#)
- 5 Myers, R.J., Eastes, J.W., Myers, F.J.
Synthetic Resins as Exchange Adsorbents

Связанные документы

Polymer based ion exchange resin
Masram, D.T.
(2013) *A Book on Ion Exchange, Adsorption and Solvent Extraction*

Chromatographic separation of phenolic compounds on Amberlite IR-45
Piffen, P.G., Baldassari, L., Gandolfi, O.
(1974) *Journal of Chromatography A*

Adsorptive separations of alkylphenols using ion-exchange resins
Anasthas, H.M., Gaikar, V.G.
(1999) *Reactive and Functional Polymers*

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Язык

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Экспортировать уточнение

<input type="checkbox"/> 7	White organic light-emitting devices for solid-state lighting	D'Andrade, B.W., Forrest, S.R.	2004	Advanced Materials 16(18), с. 1585-1595	1769
Просмотр краткого описания <input type="checkbox"/> View at Publisher Связанные документы					
<input type="checkbox"/> 8	On the controllable soft-templating approach to mesoporous silicates	Wan, Y., Zhao, D.	2007	Chemical Reviews 107(7), с. 2821-2860	1704
Просмотр краткого описания <input type="checkbox"/> View at Publisher Связанные документы					
<input type="checkbox"/> 9	"Synthetic metals": A novel role for organic polymers (Nobel lecture)	MacDiarmid, A.G.	2001	Angewandte Chemie - International Edition 40(14), с. 2581-2590	1703
Просмотр краткого описания <input type="checkbox"/> View at Publisher Связанные документы					
<input type="checkbox"/> 10	Supramolecular gels: Functions and uses	Sangeetha, N.M., Maitra, U.	2005	Chemical Society Reviews 34(10), с. 821-836	1513
Просмотр краткого описания <input type="checkbox"/> View at Publisher Связанные документы					
<input type="checkbox"/> 11	Emerging transparent electrodes based on thin films of carbon nanotubes, graphene, and metallic nanostructures	Hecht, D.S., Hu, L., Irvin, G.	2011	Advanced Materials 23(13), с. 1482-1513	1393
Просмотр краткого описания <input type="checkbox"/> View at Publisher Связанные документы					
<input type="checkbox"/> 12	The relationship between liquid, supercooled and glassy water	Mishima, O., Stanley, H.E.	1998	Nature 396(6709), с. 329-335	1392
Просмотр краткого описания <input type="checkbox"/> View at Publisher Связанные документы					
<input type="checkbox"/> 13	Dispersion and alignment of carbon nanotubes in polymer matrix: A review	Xie, X.-L., Mai, Y.-W., Zhou, X.-P.	2005	Materials Science and Engineering R: Reports 40(1), с. 89-133	1387

ПУСК Total Commander 8.5... lecture-sp.DOC [Реж... Scopus - результат... 14:56

Информация по авторам

Просмотреть сведения об авторе Kumar, S #395
Просмотреть анализ результатов по автору
Организация: Raman Research Institute, SCM Group, Bengaluru, India

13 документов, опубликованных автором Kumar, S., соответствуют вашему запросу
(Показаны 13 первых результатов)

Title	Authors	Year	Source
Liquid-crystal nanoscience: An emerging avenue of soft self-assembly	Bisoyi, H.K., Kumar, S.	2011	Chemical Society Reviews
Discotic nematic liquid crystals: Science and technology	Bisoyi, H.K., Kumar, S.	2010	Chemical Society Reviews
Triphenylene-based discotic liquid crystals: recent advances	Pal, S.K., Setia, S., Avinash, B.S., Kumar, S.	2013	Liquid Crystals
Discotic liquid crystal-nanoparticle hybrid systems	Kumar, S.	2014	NPG Asia Materials
Liquid crystals in photovoltaics: A new generation of organic photovoltaics	Kumar, M., Kumar, S.	2017	Polymer Journal
A brief review of carbazole-based photorefractive liquid crystalline materials	Manickam, M., Iqbal, P., Belloni, M., Kumar, S., Preece, J.A.	2012	Israel Journal of Chemistry
Functional discotic liquid crystals	Kumar, S.	2012	Israel Journal of Chemistry
The chemistry of bent-core molecules forming nematic liquid crystals	Kumar, S., Gowda, A.N.	2015	Liquid Crystals Reviews
Discotic Liquid Crystals with Graphene: Supramolecular Self-assembly to Applications	Kumar, M., Gowda, A., Kumar, S.	2017	Particle and Particle Systems Characterization

Ограничить Исклучить

- Materials Science (894) >
- Physics and Astronomy (781) >
- Engineering (588) >
- Chemical Engineering (411) >

White organic light-emitting devices for solid-state D'Andrade, B.W., Forrest, 2004 Advanced 1769

Информация по автору – S. Kumar (Индия)

The screenshot shows the Scopus author profile for Sandeep Kumar. The page is titled "Сведения об авторе" (Author Information). It displays the author's name, affiliation (Raman Research Institute, Bengaluru, India), and ORCID iD. A list of research fields is provided, including Materials Science, Chemistry, Physics and Astronomy, Chemical Engineering, Engineering, Computer Science, Biochemistry, Genetics and Molecular Biology, Mathematics, Environmental Science, Social Sciences, Energy, Pharmacology, Toxicology and Pharmaceutics, Multidisciplinary, Decision Sciences, and Medicine. The profile also shows 191 documents, 2683 citations, and an h-index of 26. A bar and line chart illustrates the document and citation trends from 2009 to 2019. The bottom of the page includes navigation options for documents, citations, co-authors, and topics.

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Kumar, Sandeep [Просмотр потенциальных соответствий авторов](#)

Raman Research Institute, Bengaluru, India
Идентификатор автора: 57189250779

<http://orcid.org/0000-0002-4550-4814>

Другие форматы имен: Kumar, S.

Отрасль знаний:

- Materials Science
- Chemistry
- Physics and Astronomy
- Chemical Engineering
- Engineering
- Computer Science
- Biochemistry, Genetics and Molecular Biology
- Mathematics
- Environmental Science
- Social Sciences
- Energy
- Pharmacology, Toxicology and Pharmaceutics
- Multidisciplinary
- Decision Sciences
- Medicine

Документы автора: **191** [Анализировать результаты по автору](#)

Общее количество цитирований: **2683** по 1685 документам [Просмотреть обзор цитирования](#)

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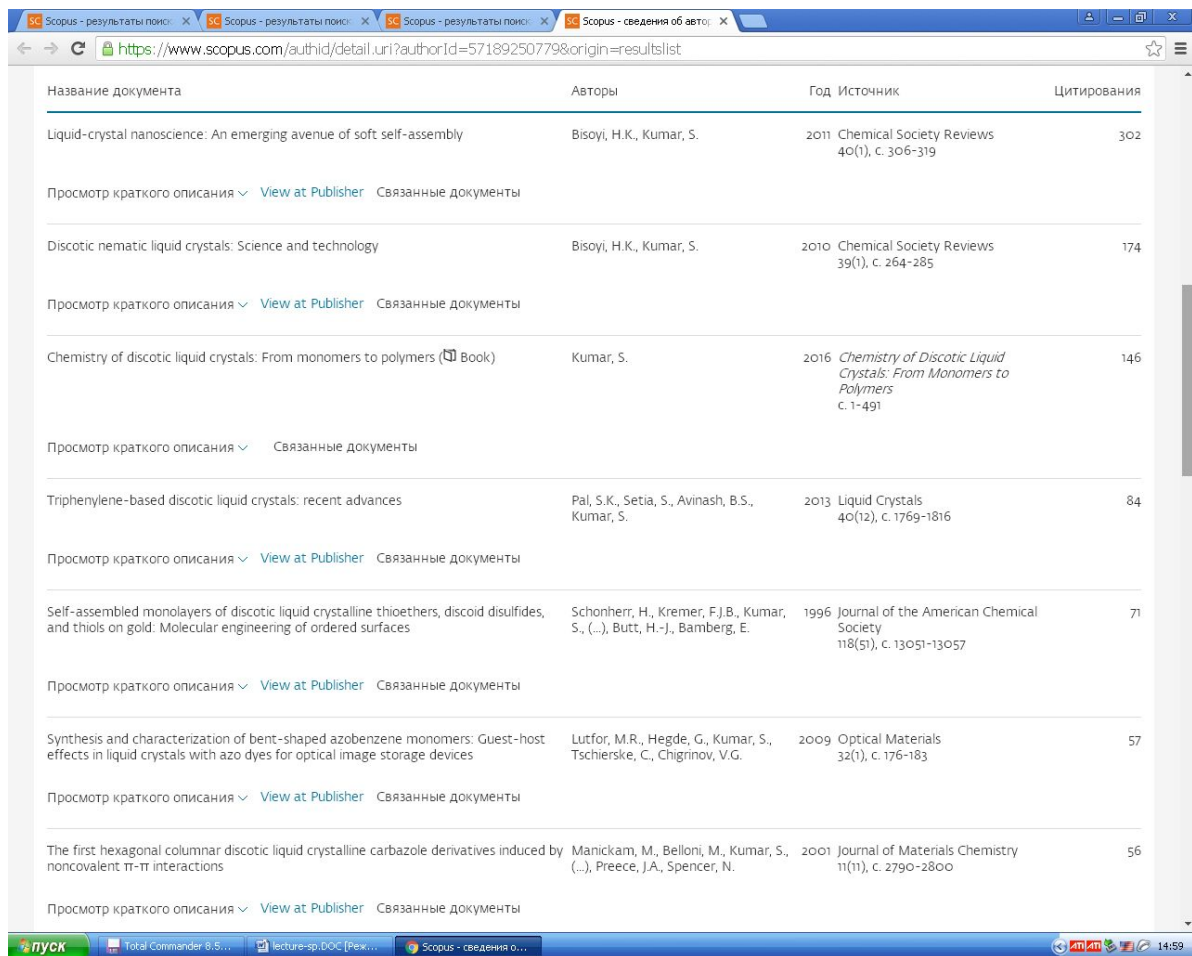
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Годы	Документы	Цитирования
2009	2	10
2010	2	15
2011	3	20
2012	4	25
2013	6	30
2014	10	35
2015	15	40
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Цитируемость публикаций - S. Kumar



The screenshot shows a Scopus author profile for S. Kumar. The browser address bar displays the URL: <https://www.scopus.com/authid/detail.uri?authorId=57189250779&origin=resultslist>. The page contains a table of publications with the following columns: Название документа, Авторы, Год, Источник, and Цитирования. Each entry includes a 'Просмотр краткого описания' link, a 'View at Publisher' link, and a 'Связанные документы' link.

Название документа	Авторы	Год	Источник	Цитирования
Liquid-crystal nanoscience: An emerging avenue of soft self-assembly	Bisoyi, H.K., Kumar, S.	2011	Chemical Society Reviews 40(1), с. 306-319	302
Discotic nematic liquid crystals: Science and technology	Bisoyi, H.K., Kumar, S.	2010	Chemical Society Reviews 39(1), с. 264-285	174
Chemistry of discotic liquid crystals: From monomers to polymers (Book)	Kumar, S.	2016	Chemistry of Discotic Liquid Crystals: From Monomers to Polymers с. 1-491	146
Triphenylene-based discotic liquid crystals: recent advances	Pal, S.K., Setia, S., Avinash, B.S., Kumar, S.	2013	Liquid Crystals 40(12), с. 1769-1816	84
Self-assembled monolayers of discotic liquid crystalline thioethers, discoid disulfides, and thiols on gold: Molecular engineering of ordered surfaces	Schonherr, H., Kremer, F.J.B., Kumar, S., (...), Butt, H.-J., Bamberg, E.	1996	Journal of the American Chemical Society 118(51), с. 13051-13057	71
Synthesis and characterization of bent-shaped azobenzene monomers: Guest-host effects in liquid crystals with azo dyes for optical image storage devices	Lutfor, M.R., Hegde, G., Kumar, S., Tschierske, C., Chigrinov, V.G.	2009	Optical Materials 32(1), с. 176-183	57
The first hexagonal columnar discotic liquid crystalline carbazole derivatives induced by noncovalent π - π interactions	Manickam, M., Belloni, M., Kumar, S., (...), Preece, J.A., Spencer, N.	2001	Journal of Materials Chemistry 11(11), с. 2790-2800	56

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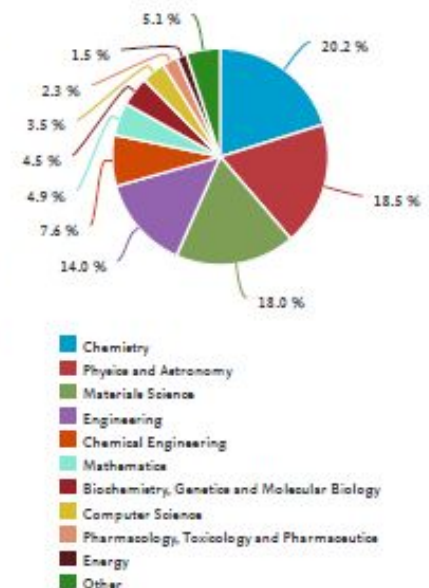
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