# Лекция 5

# Электронная система поиска Скопус. Особенности работы

**С.М. Пестов**
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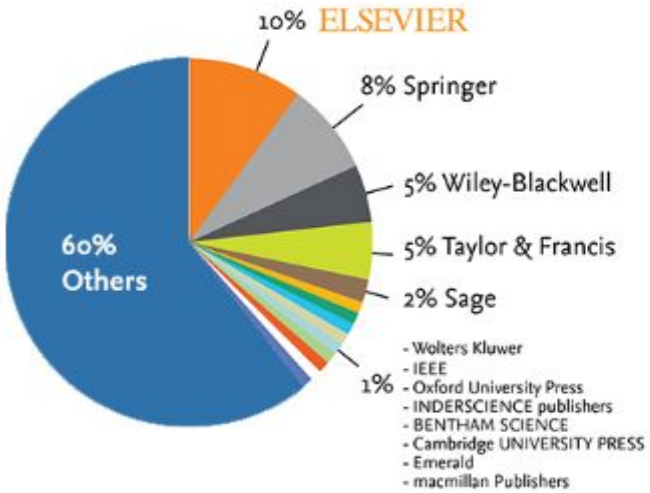


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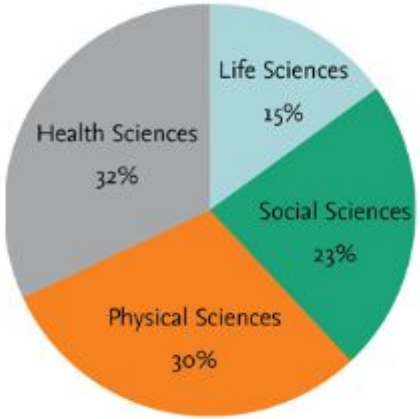


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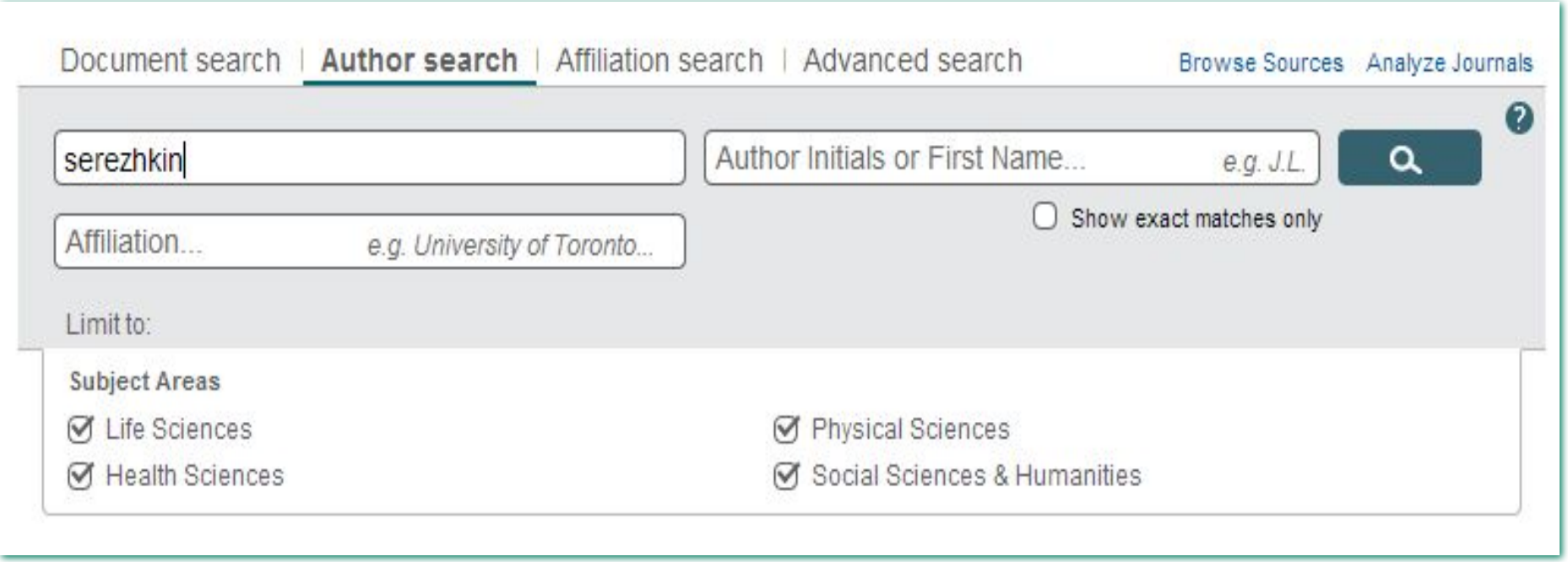


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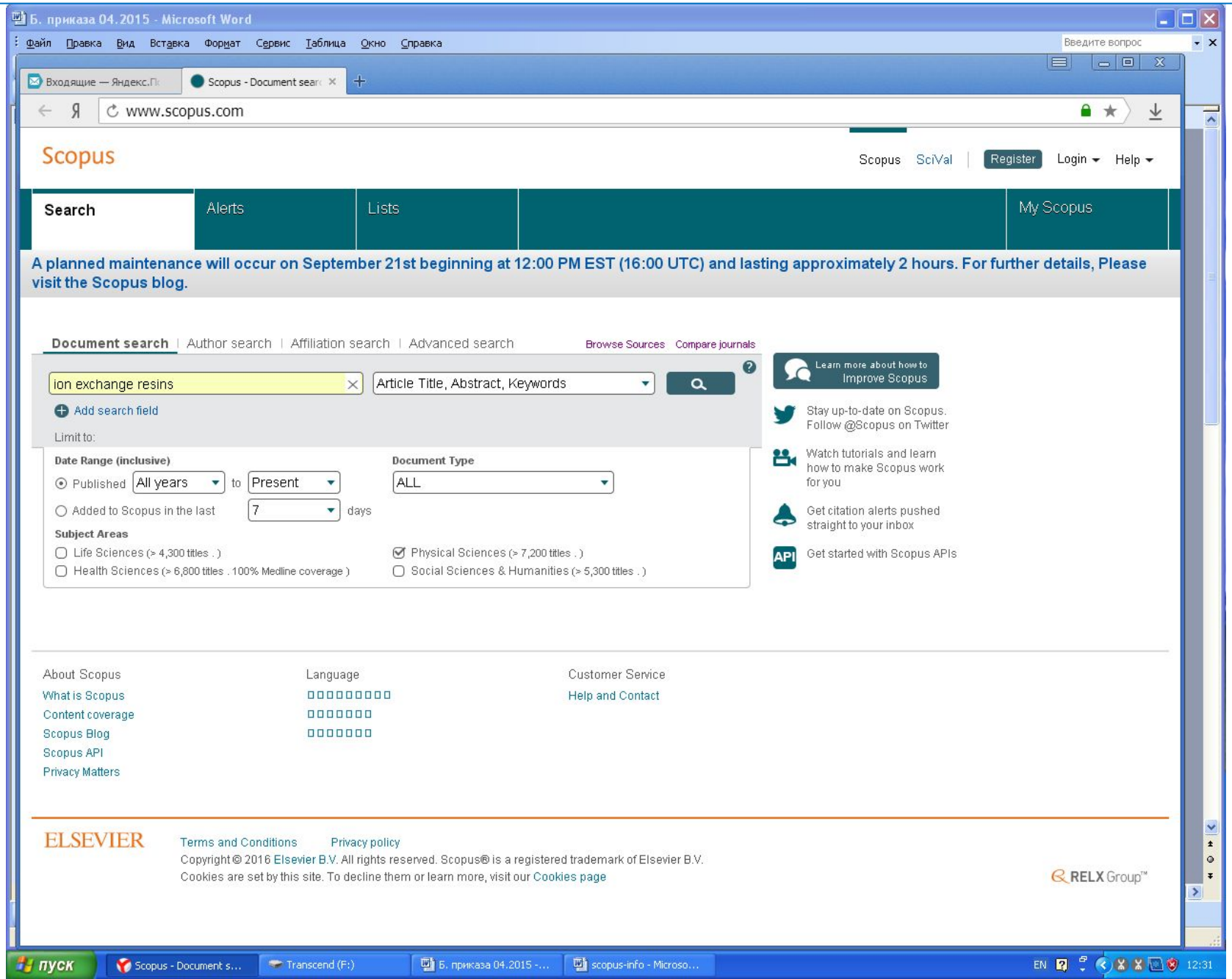

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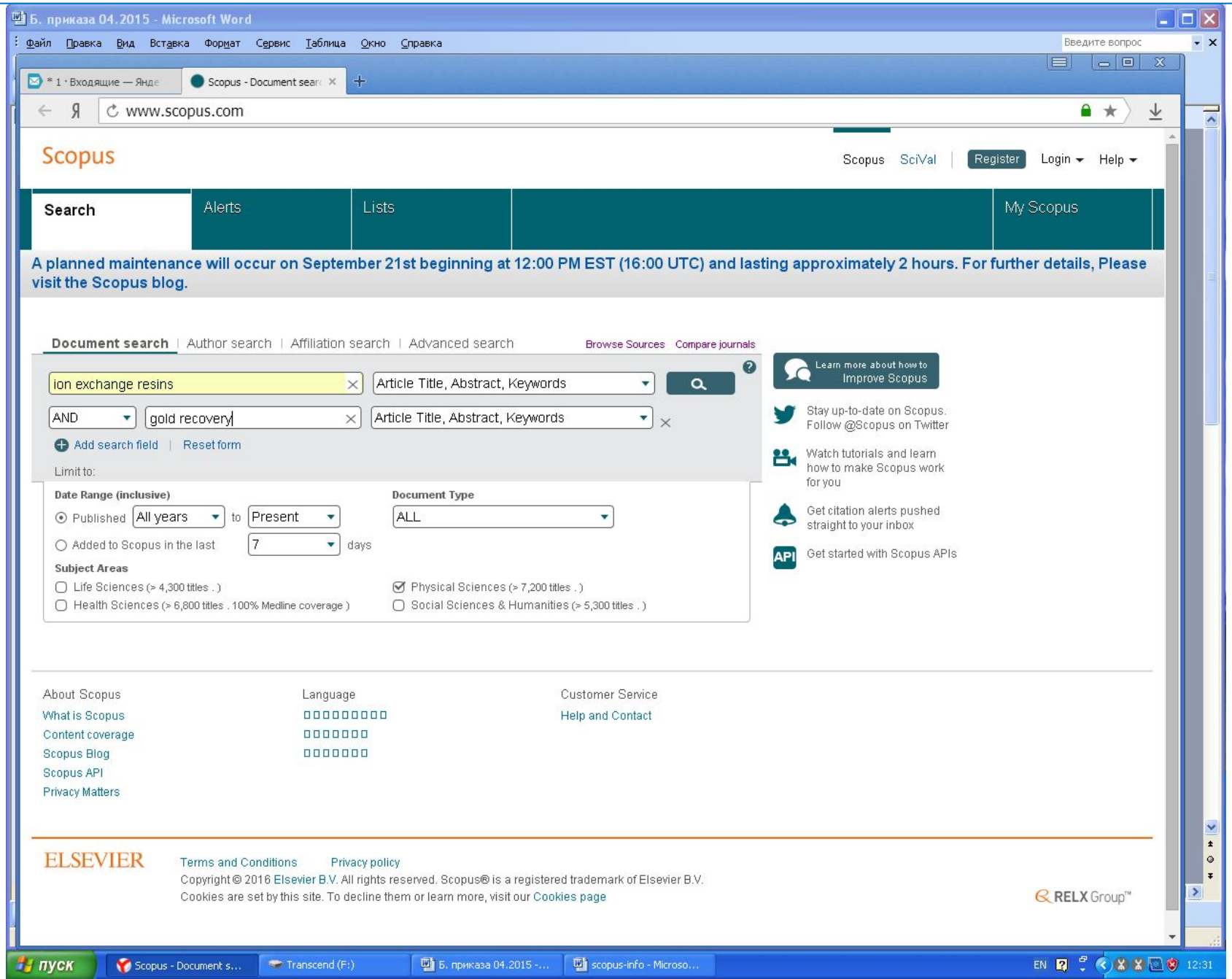

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adsorption of copper along with **gold** causes difficulty in separating **gold** and copper at the **gold** elution stage. Our previous study has demonstrated that nickel catalyzed ammonium thiosulfate solution for **gold** extraction has the advantage 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/t Au. The feasibility of **resin** recycling has demonstrated that there was no deterioration in **gold** adsorption and desorption for four cycles.

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| 65 | Leaching and recovery of gold using ammoniacal thiosulfate leach liquors (a review) | Grosse, A.C., Dicinoski, 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.

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| 66 | Recent advances in the development of an alternative to the cyanidation process: Thiosulfate leaching and resin in pulp | 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.

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| 67 | Determination of trace gold by on-line enrichment flow injection flame atomic absorption spectrometry with N1923 levextrel resin | 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 levextrel **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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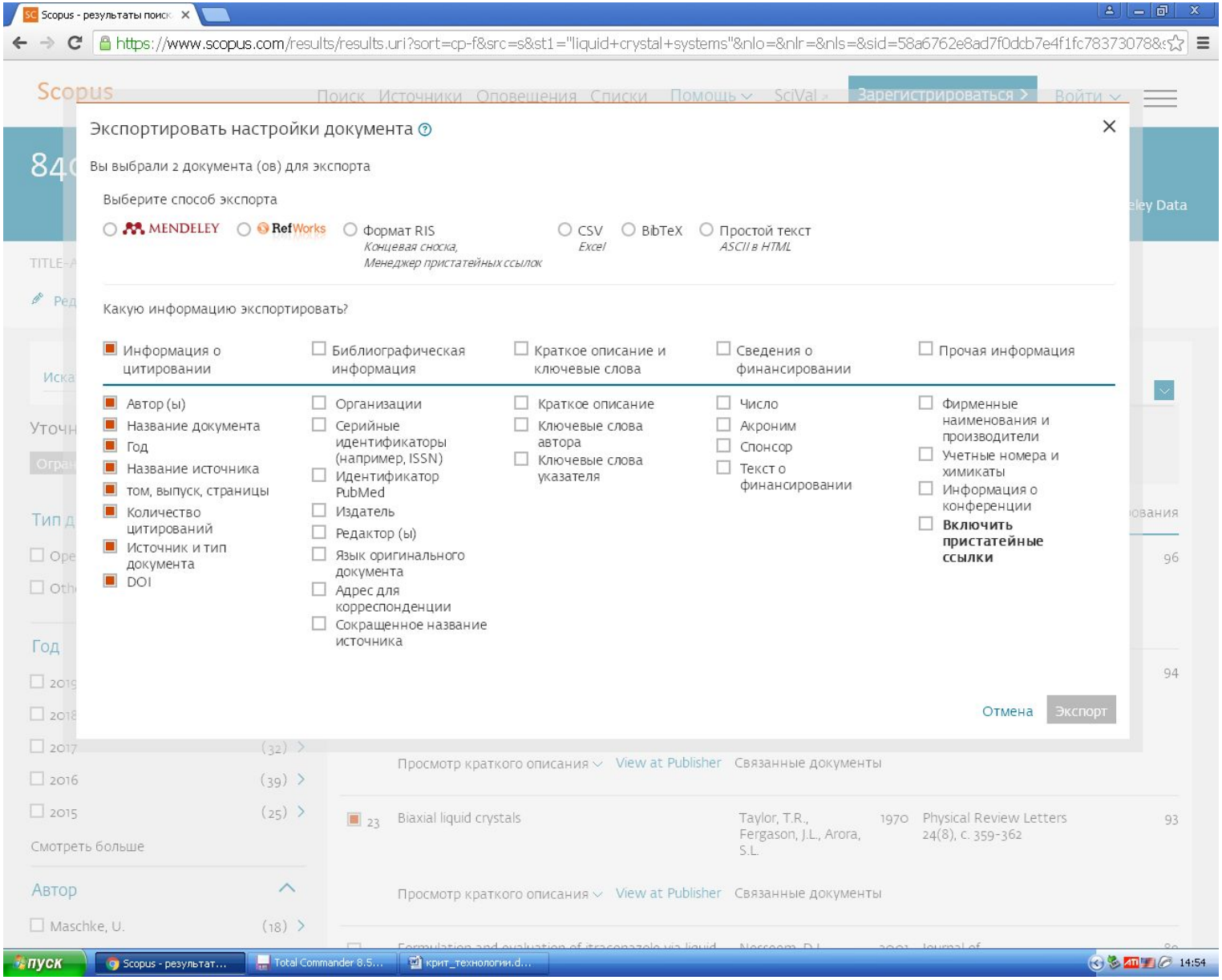

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Mineral Processing and Extractive Metallurgy Review
Volume 37, Issue 2, 3 March 2016, Pages 73-119

# Heap leaching technology - Current State, innovations, and future directions: A review (Article)

Ghorbani, Y.[ab], Franzidis, J.-P.[c], Petersen, J.[c]

[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

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67 Brierley, C.I., Briggs, A.P.
Selection and sizing of biooxidation equipment and circuits
(2002) *Mineral Processing Plant Design, Practice, and Control Proceedings*, 1. Cited 19 times.
Mular, A. L., Halbe, D. N. & Barratt, D. J., Eds.), Littleton, USA: Society for Mining Metallurgy & Exploration

68 BRIERLEY, C.L.
**How will biomining be applied in future?**
(2008) *Transactions of Nonferrous Metals Society of China (English Edition)*, 18 (6), pp. 1302-1310. Cited 59 times.
doi: 10.1016/S1003-6326(09)60002-9
View at Publisher

69 Brierley, J.A.
(1997) *Heap Leaching of Gold-bearing Deposits: Theory and Operational Description, Chapter 5 of Biomining: Theory, Microbes and Industrial Processes*
D. E. Rawlings, Ed.), Jointly published with Landes Bioscience, Georgetown, USA

70 Brierley, J.A., Brierley, C.L.
**Present and future commercial applications of biohydrometallurgy**
(2001) *Hydrometallurgy*, 59 (2-3), pp. 233-239. Cited 223 times.
doi: 10.1016/S0304-386X(00)00162-6
View at Publisher

71 Brierley, J.A., Hill, D.L.
(1991) *Biooxidation Process for Recovery of Gold from Heaps of Low-grade Sulphidic and Carbonaceous Sulphidic Ore Materials*, p. 778521. Cited 11 times.
U.S. Patent 07

72 Brierley, J.A., Wan, R.Y., Hill, D.L., Logan, T.C.
Biooxidation heap pre-Treatment technology for processing lower grade refractory gold ores
(1995) *Proceedings of the International Biohydrometallurgy Symposium, Vina Del Mar, Chile, Nov. 1995*, pp. 19-22.

73 Brown, S.L.
(1988) *Adjustable Emitter for Heap Leach Mining Percolation System and Method*
U.S. Patent 07 261919

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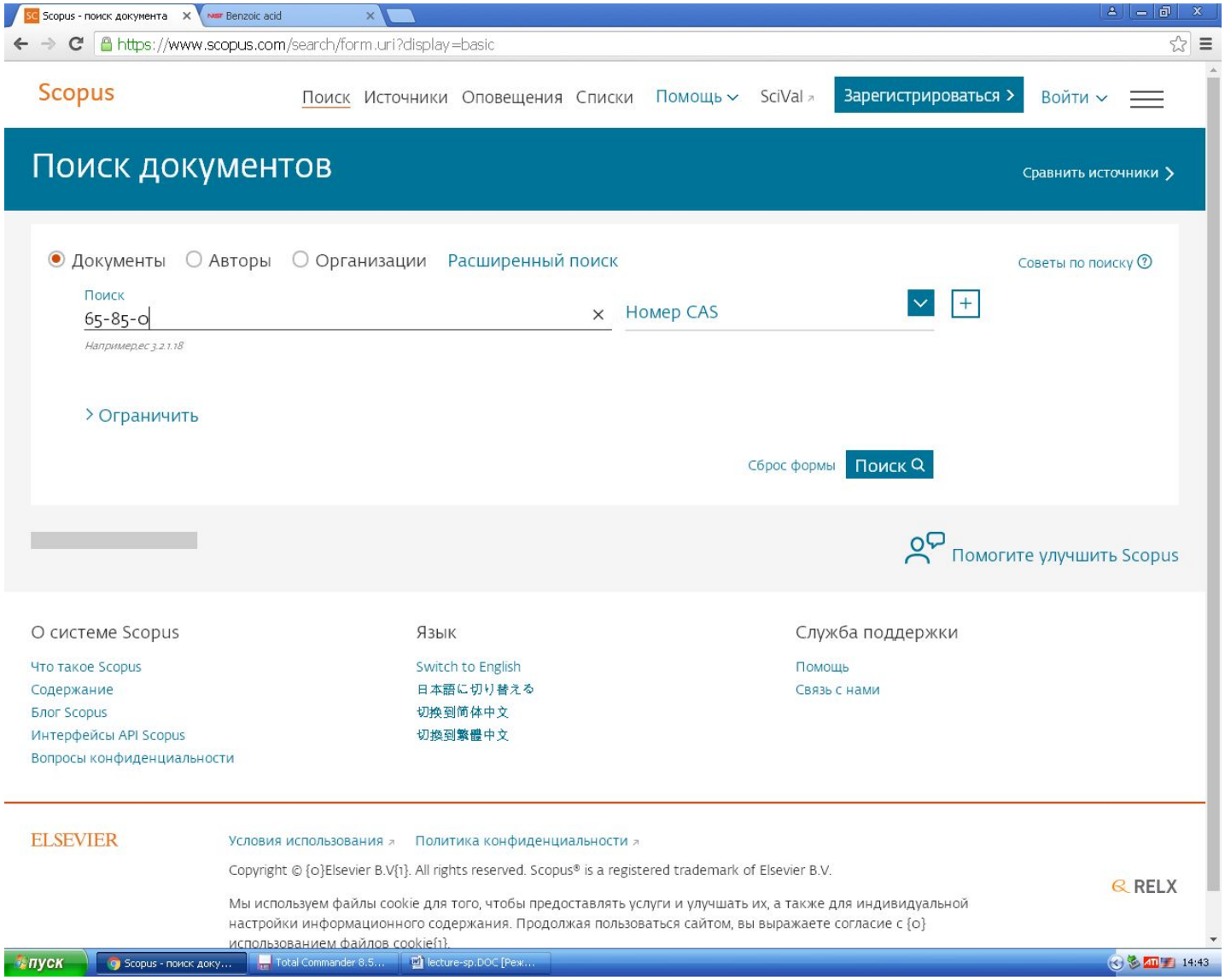

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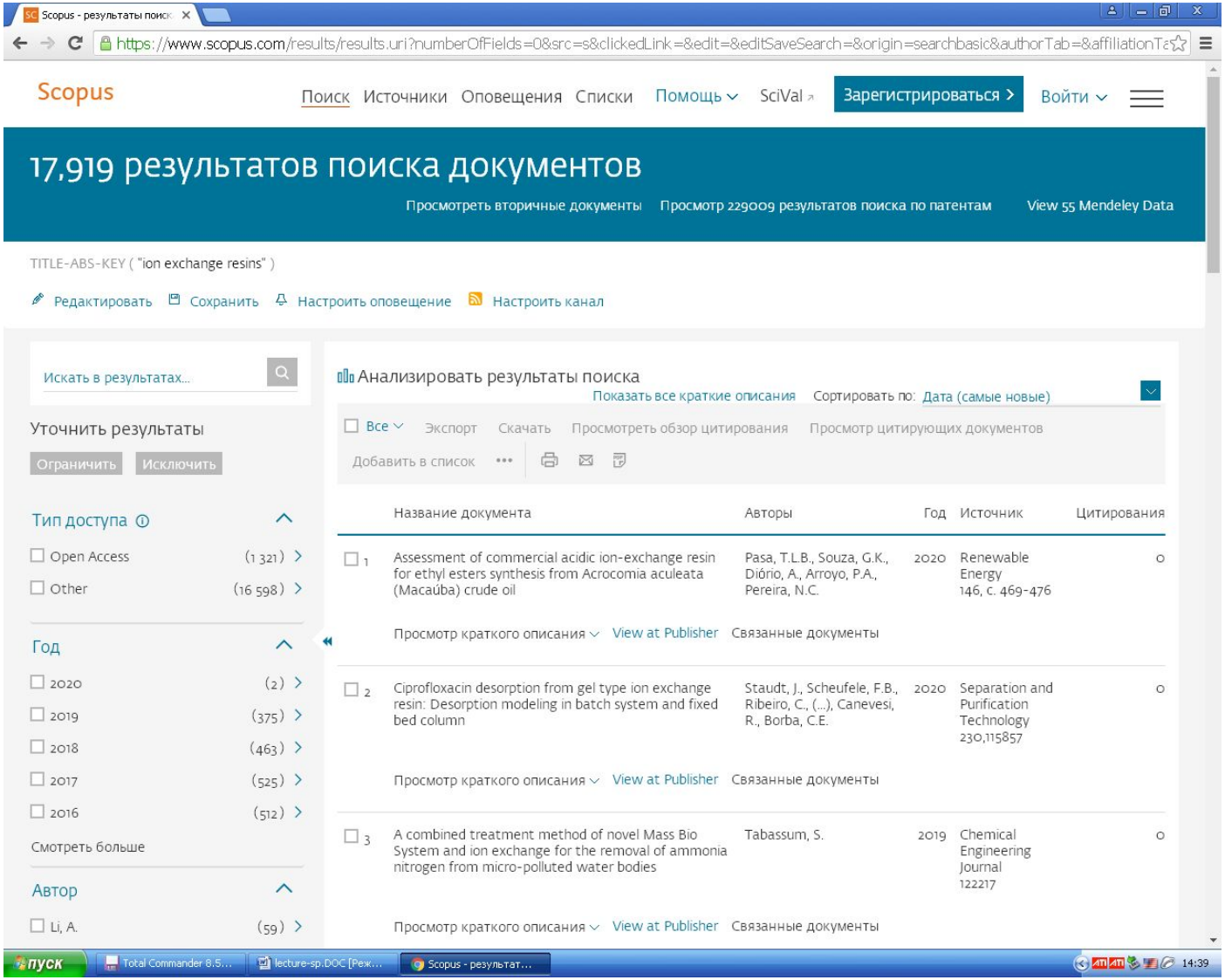

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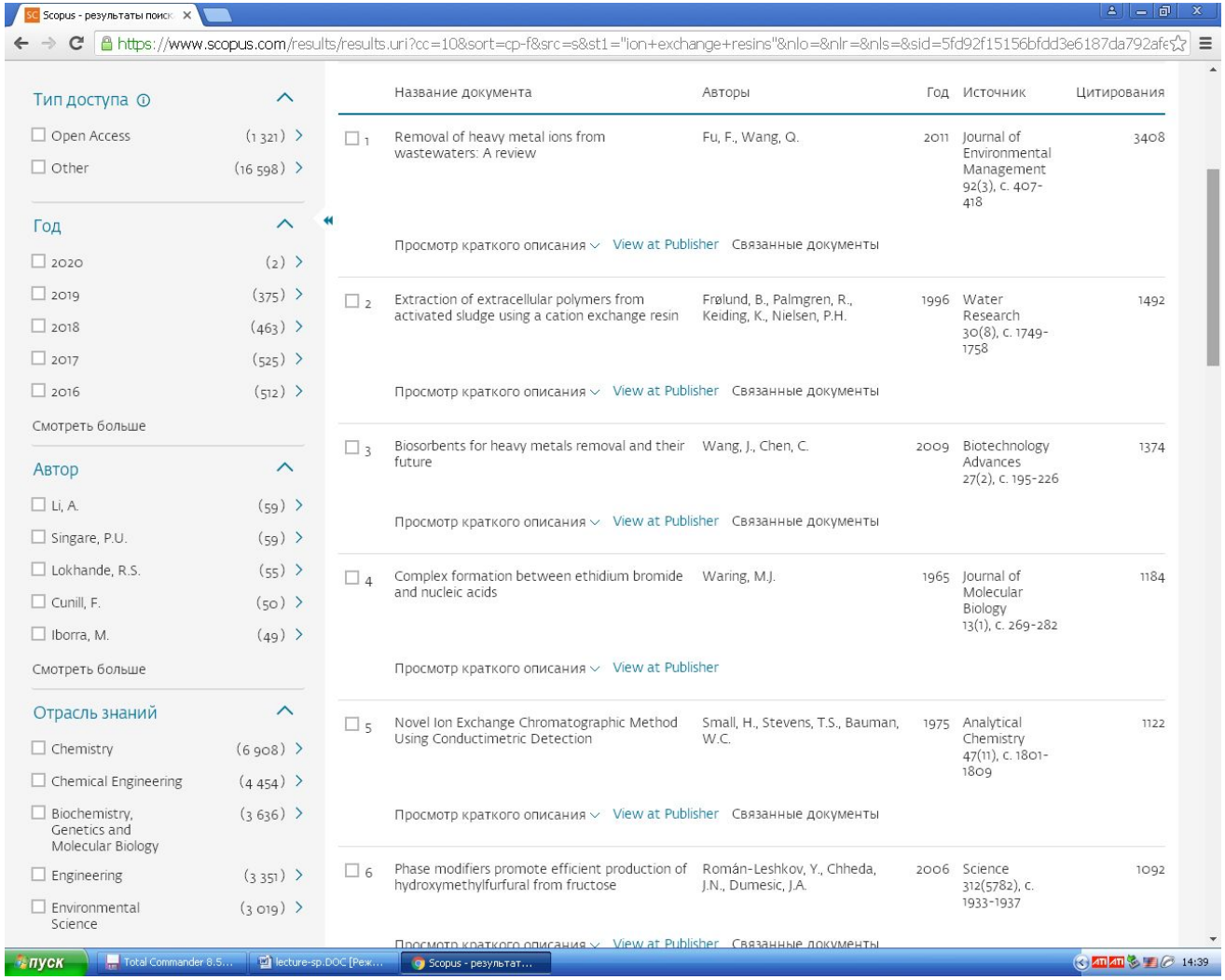

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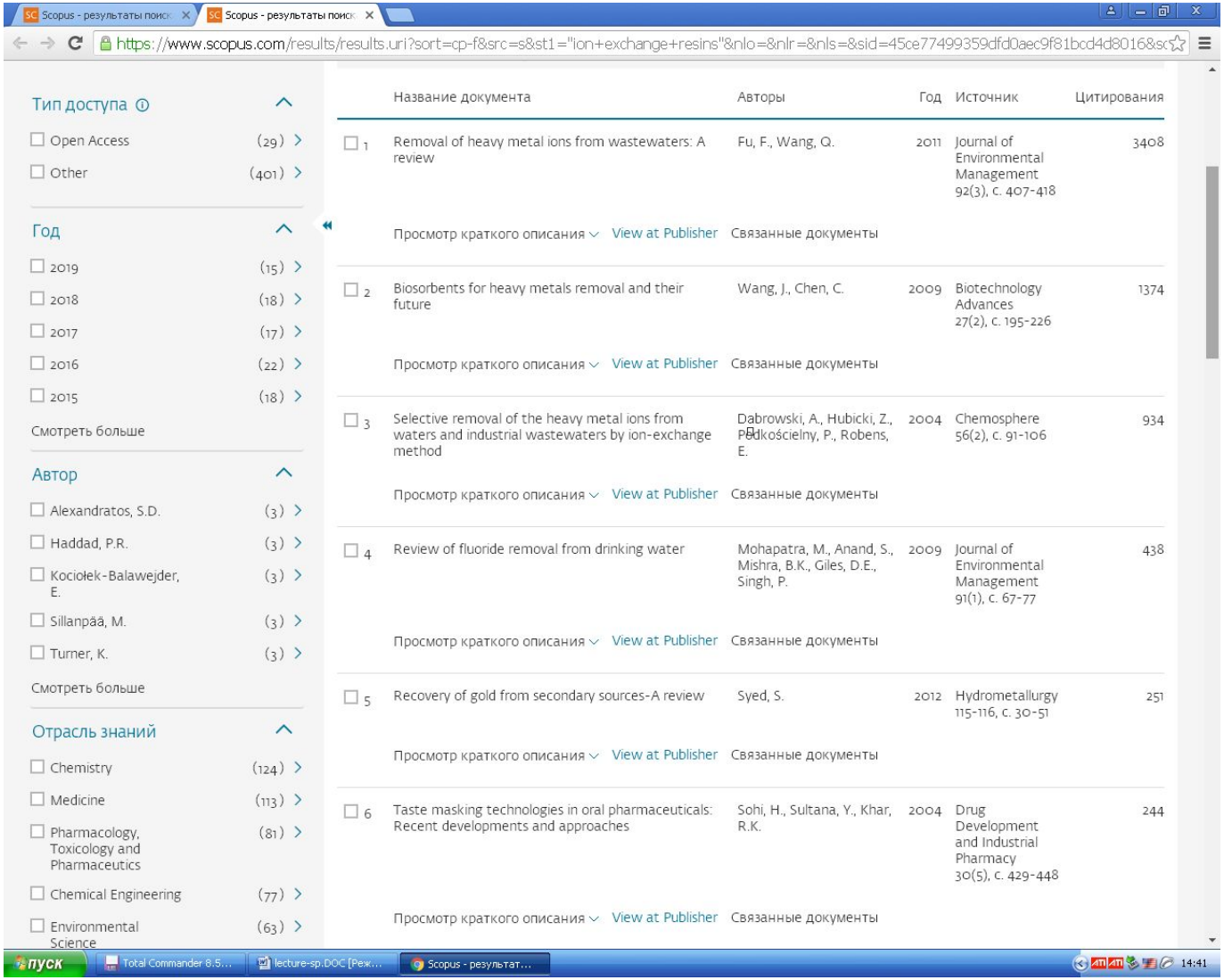

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Industrial and Engineering Chemistry Research
Volume 48, Issue 1, 7 January 2009, Pages 388-398

# 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 пристатейных 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

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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*(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 α-bromination and α-bromoacetalization of acetophenones
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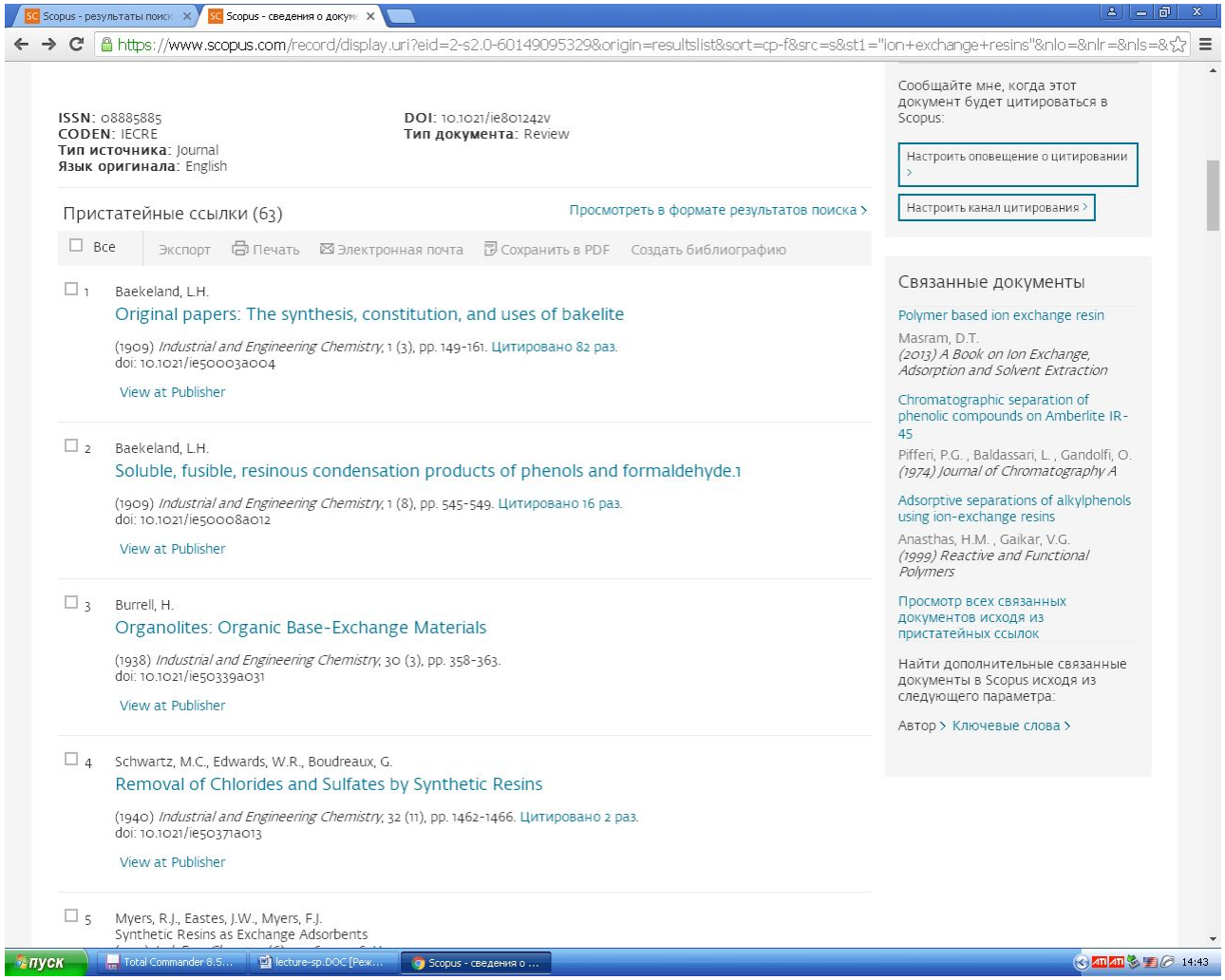

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**ISSN:** 08885885
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Все | Экспорт | Печать | Электронная почта | Сохранить в PDF | Создать библиографию

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

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Masram, D.T.
*(2013) A Book on Ion Exchange, Adsorption and Solvent Extraction*

Chromatographic separation of phenolic compounds on Amberlite IR-45
Pifferi, 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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| 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 · View at Publisher · Связанные документы | | | | |
| 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 · View at Publisher · Связанные документы | | | | |
| 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 |
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| 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 · View at Publisher · Связанные документы | | | | |
| 12 | The relationship between liquid, supercooled and glassy water | Mishima, O., Stanley, H.E. | 1998 | Nature 396(6709), с. 329-335 | 1392 |
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| 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 | 1387 |

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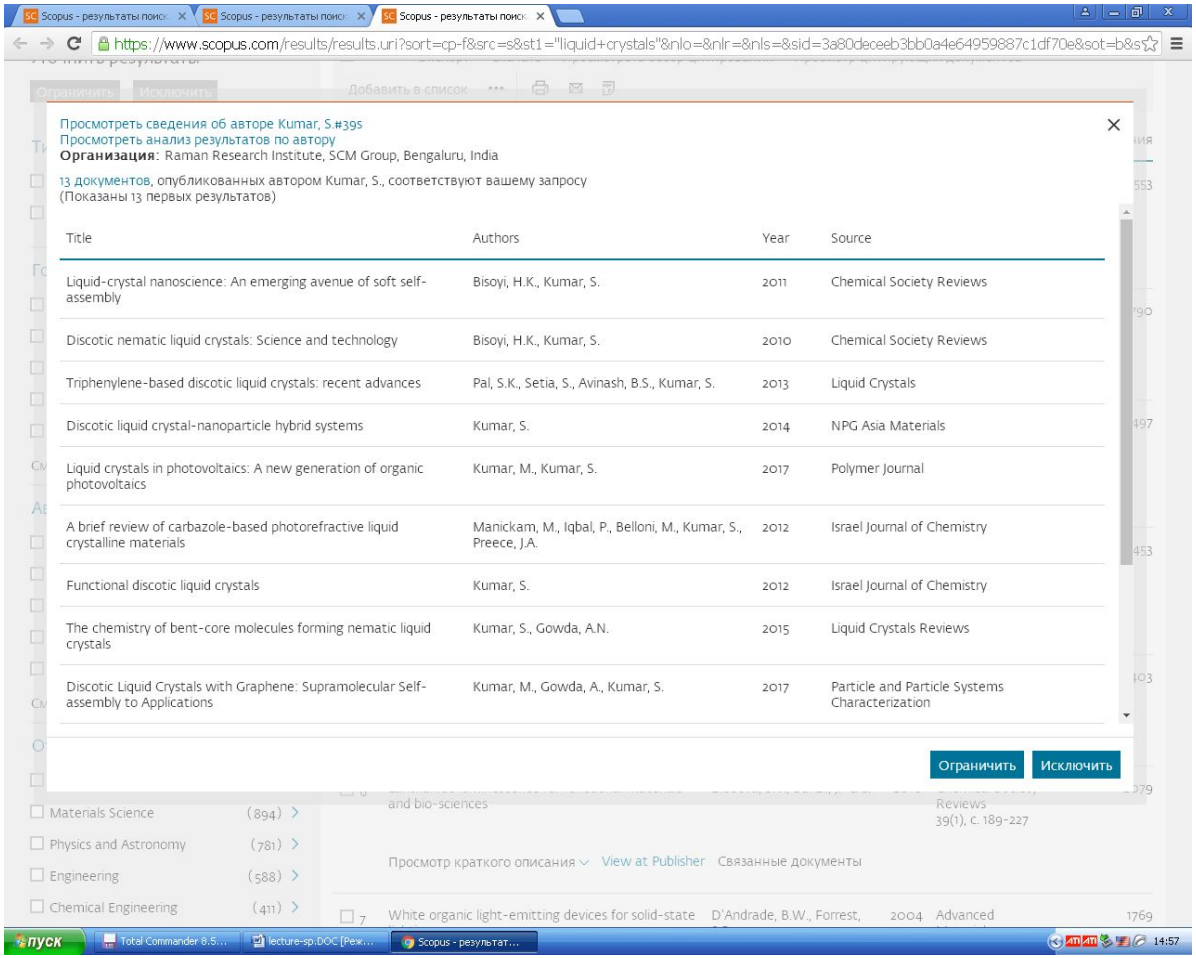

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13 документов, опубликованных автором Kumar, S., соответствуют вашему запросу
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| Title | Authors | Year | Source |
|---|---|---|---|
| Liquid-crystal nanoscience: An emerging avenue of soft self-assembly | 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 |

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# Цитируемость публикаций - S. Kumar

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| Liquid-crystal nanoscience: An emerging avenue of soft self-assembly<br>Просмотр краткого описания View at Publisher Связанные документы | Bisoyi, H.K., Kumar, S. | 2011 | Chemical Society Reviews<br>40(1), с. 306-319 | 302 |
| Discotic nematic liquid crystals: Science and technology<br>Просмотр краткого описания View at Publisher Связанные документы | Bisoyi, H.K., Kumar, S. | 2010 | Chemical Society Reviews<br>39(1), с. 264-285 | 174 |
| Chemistry of discotic liquid crystals: From monomers to polymers (Book)<br>Просмотр краткого описания Связанные документы | Kumar, S. | 2016 | *Chemistry of Discotic Liquid Crystals: From Monomers to Polymers*<br>с. 1-491 | 146 |
| Triphenylene-based discotic liquid crystals: recent advances<br>Просмотр краткого описания View at Publisher Связанные документы | Pal, S.K., Setia, S., Avinash, B.S., Kumar, S. | 2013 | Liquid Crystals<br>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<br>Просмотр краткого описания View at Publisher Связанные документы | Schonherr, H., Kremer, F.J.B., Kumar, S., (...), Butt, H.-J., Bamberg, E. | 1996 | Journal of the American Chemical Society<br>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<br>Просмотр краткого описания View at Publisher Связанные документы | Lutfor, M.R., Hegde, G., Kumar, S., Tschierske, C., Chigrinov, V.G. | 2009 | Optical Materials<br>32(1), с. 176-183 | 57 |
| The first hexagonal columnar discotic liquid crystalline carbazole derivatives induced by noncovalent π-π interactions<br>Просмотр краткого описания View at Publisher Связанные документы | Manickam, M., Belloni, M., Kumar, S., (...), Preece, J.A., Spencer, N. | 2001 | Journal of Materials Chemistry<br>11(11), с. 2790-2800 | 56 |

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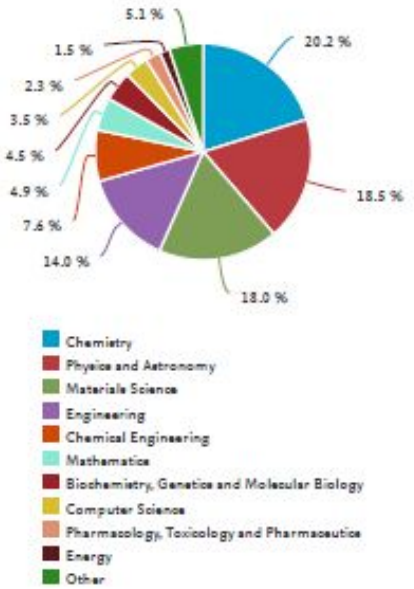

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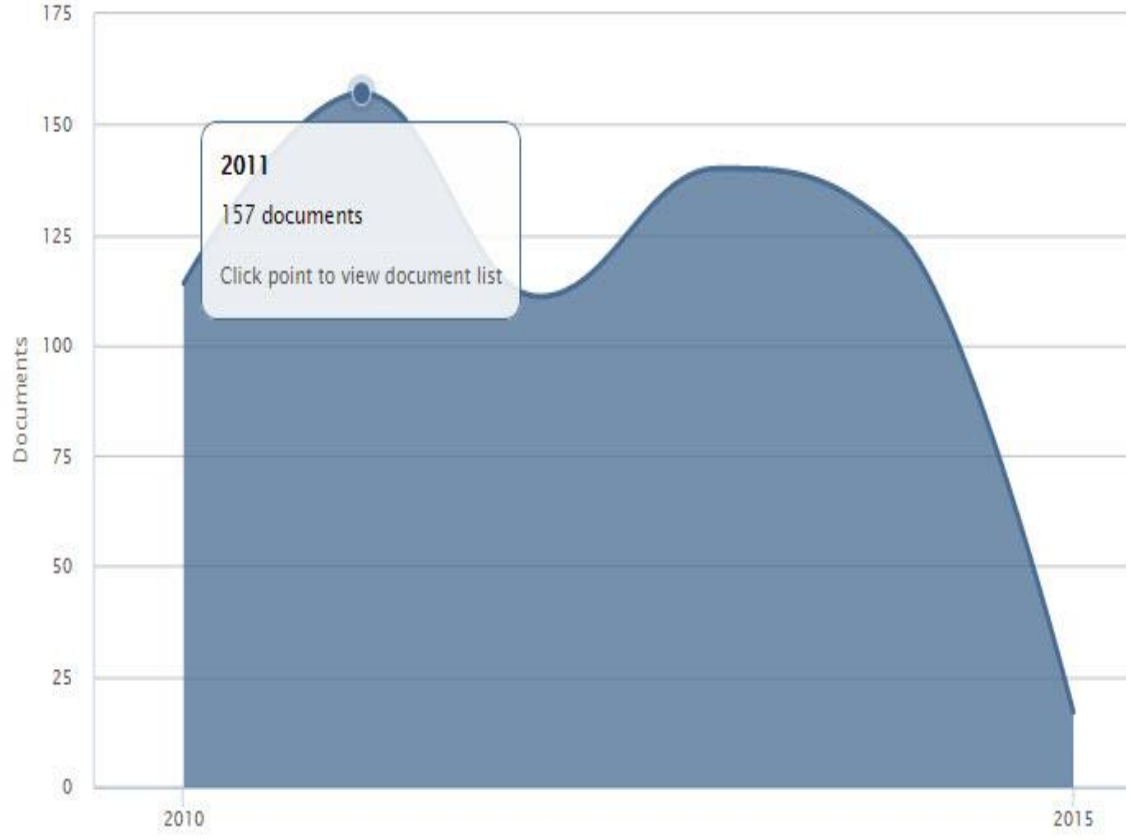
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