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Как сделать так, чтобы нас цитировали

Сергей Парамонов, к.х.н.

Специалист по информационным ресурсам, научные исследования
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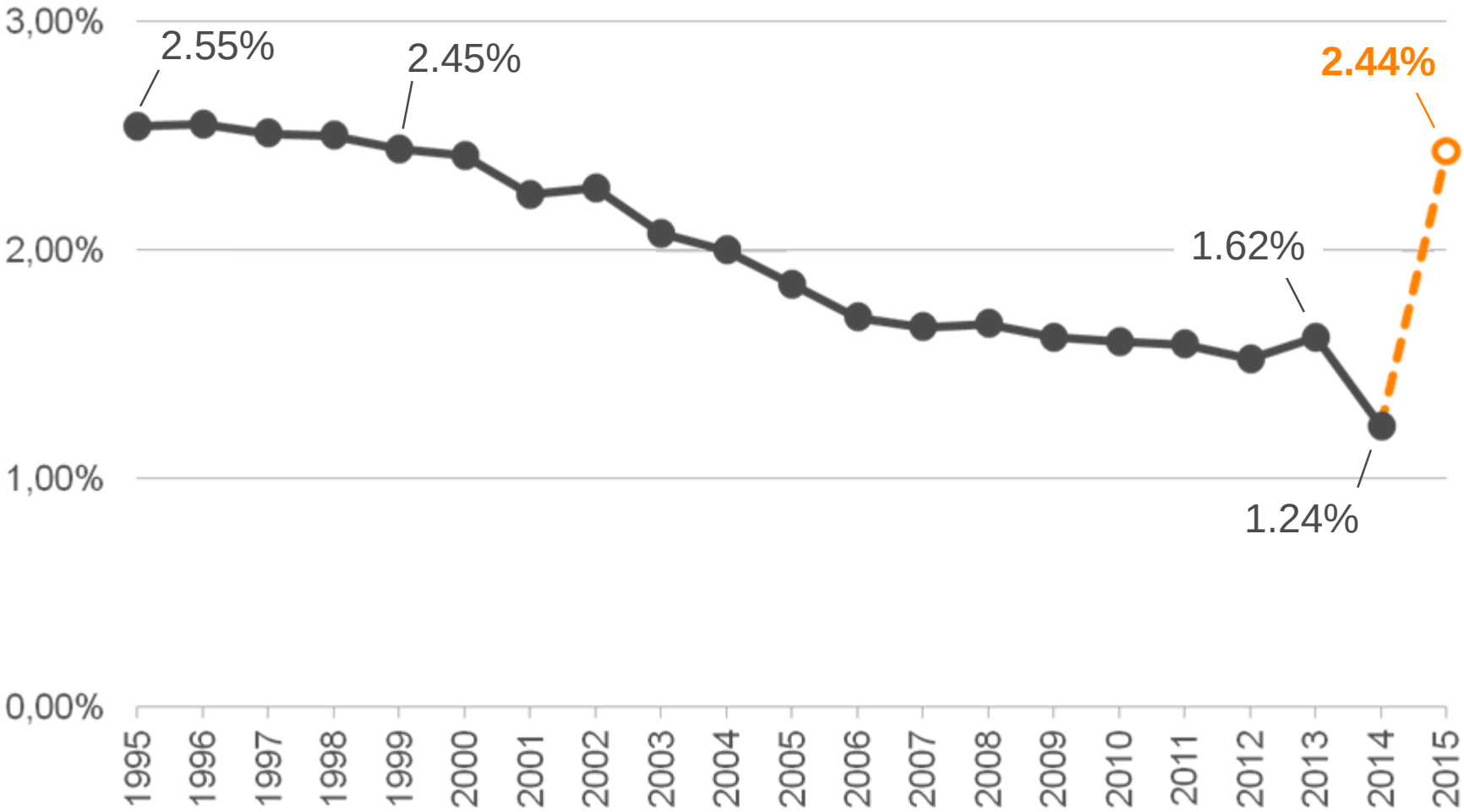
2.44% – это сколько?



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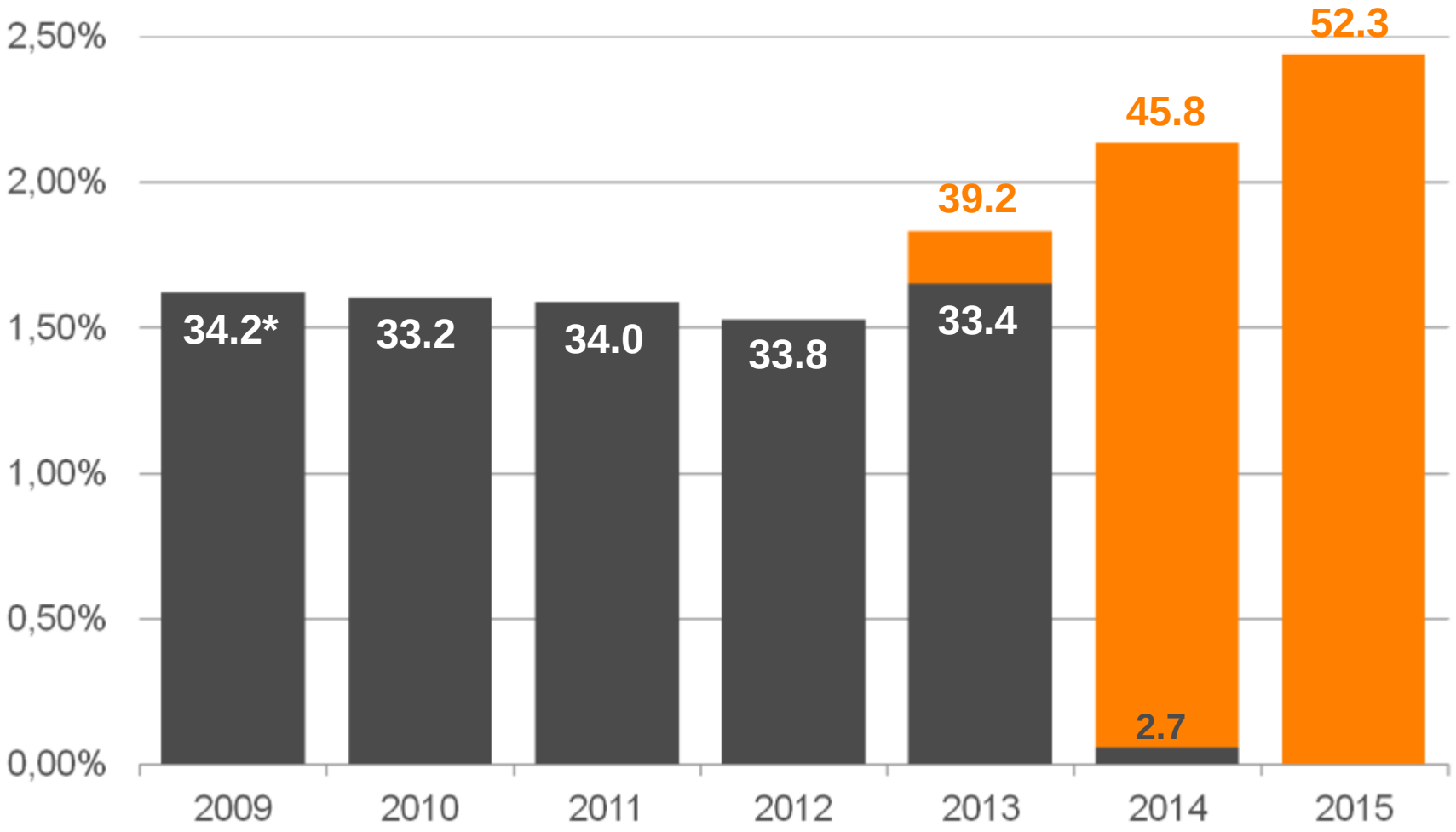

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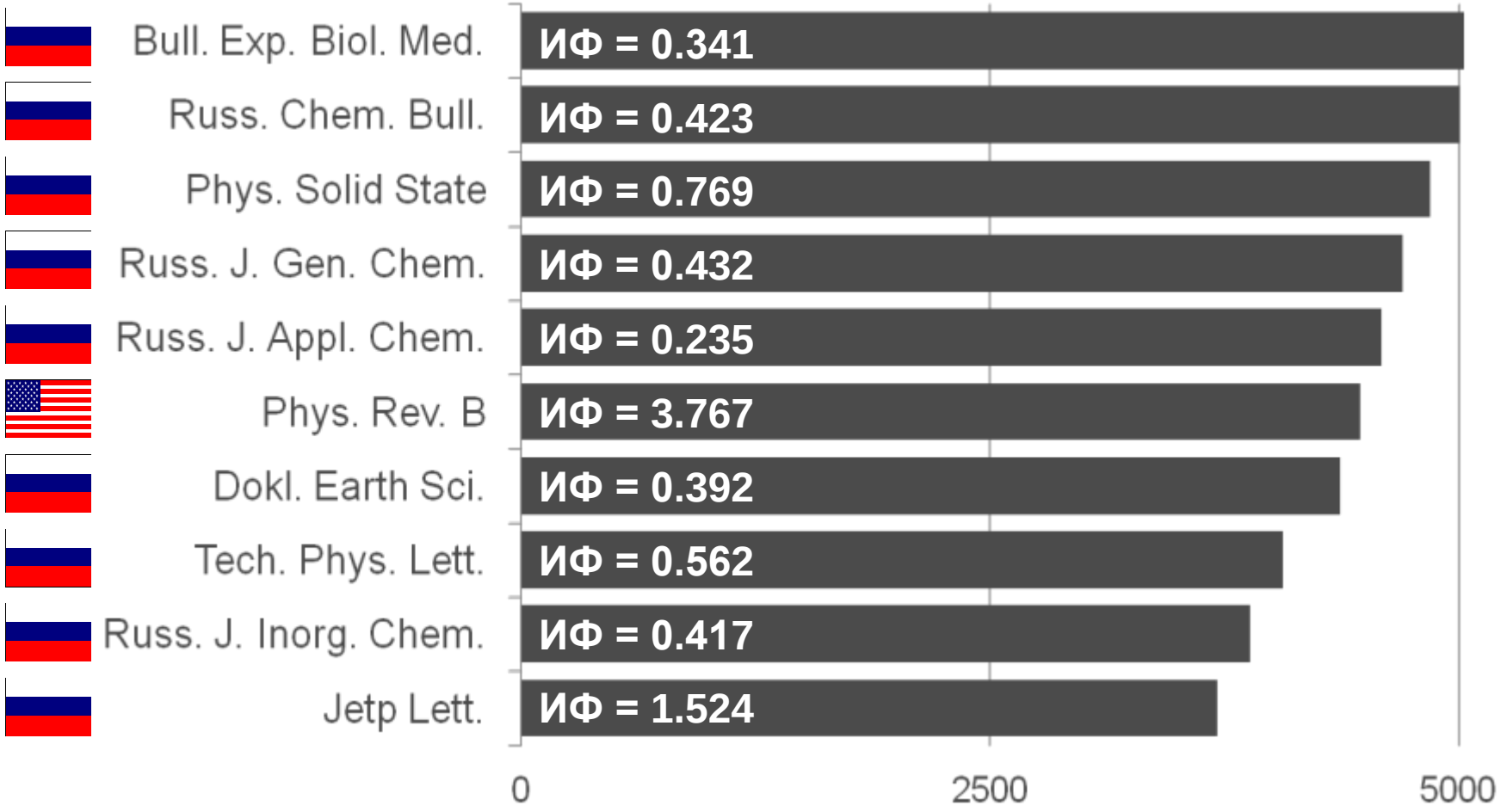

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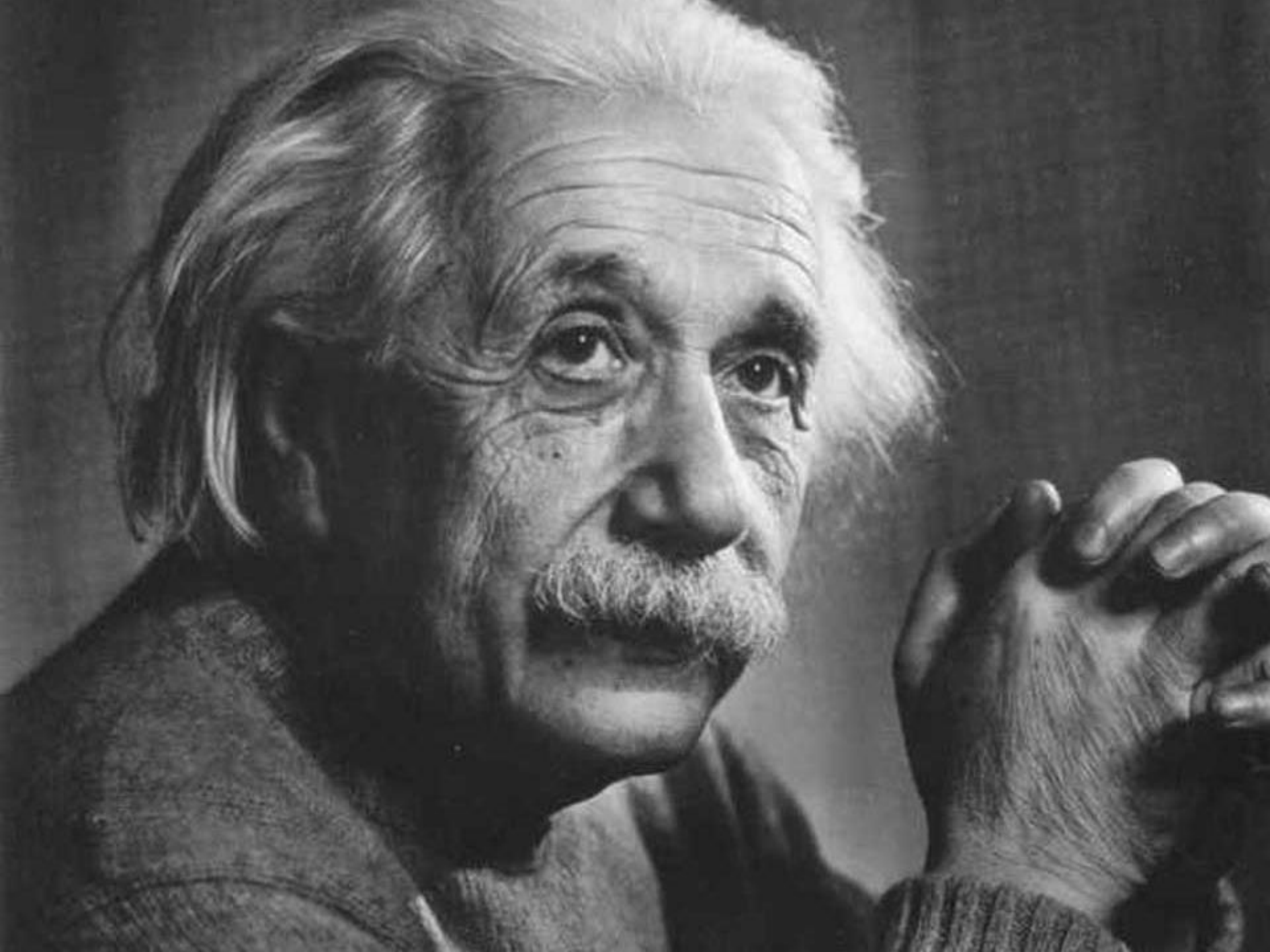

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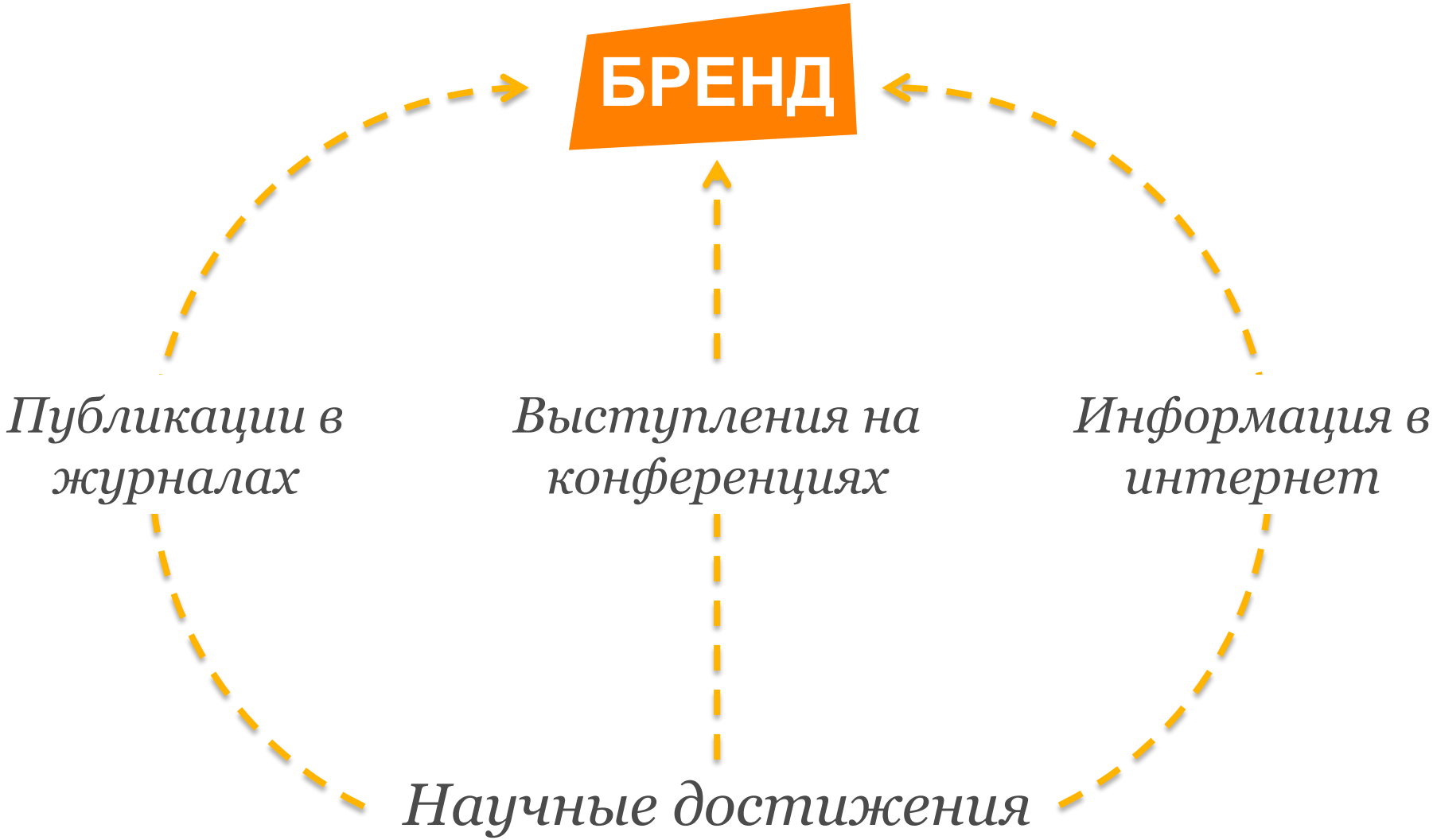

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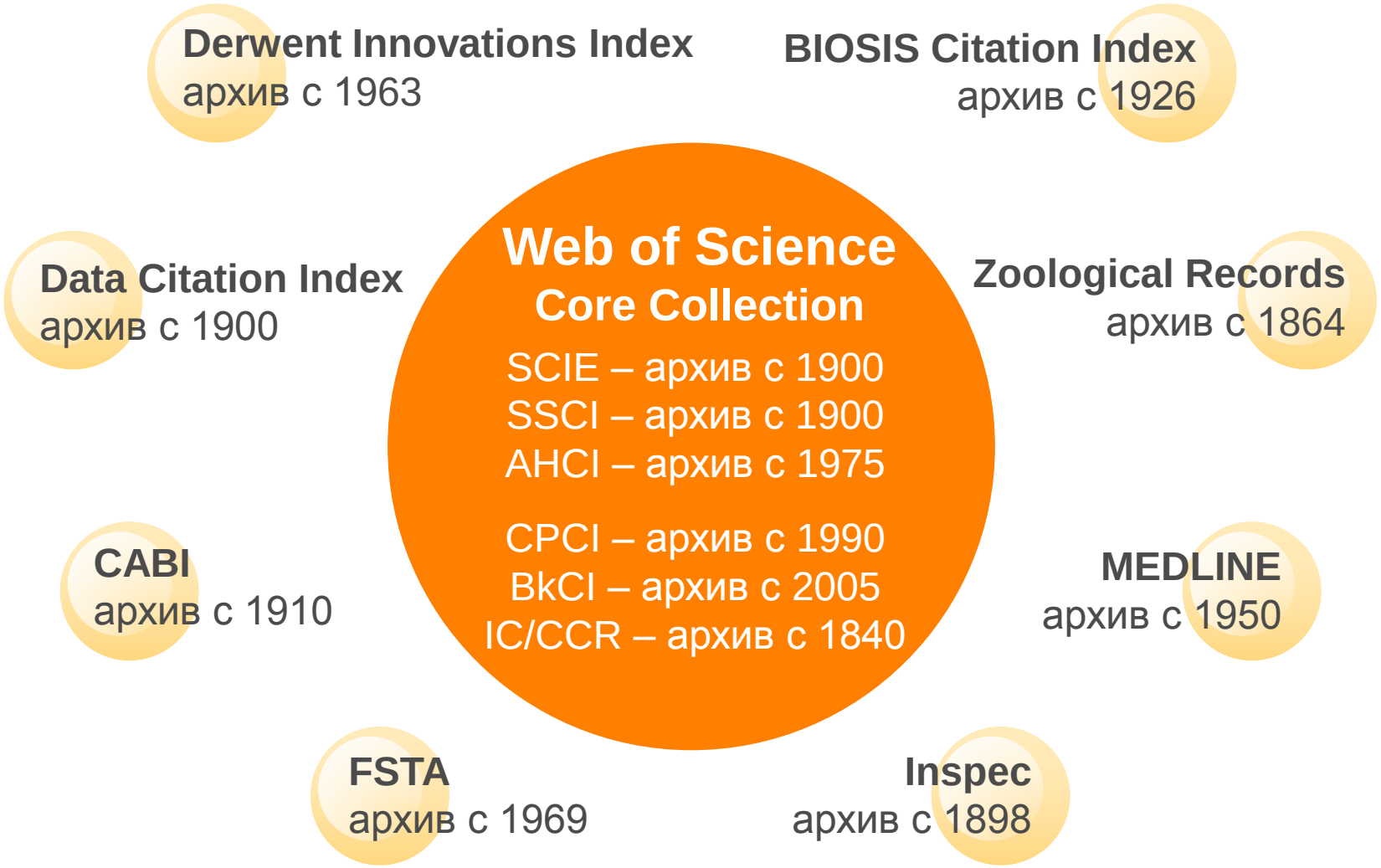

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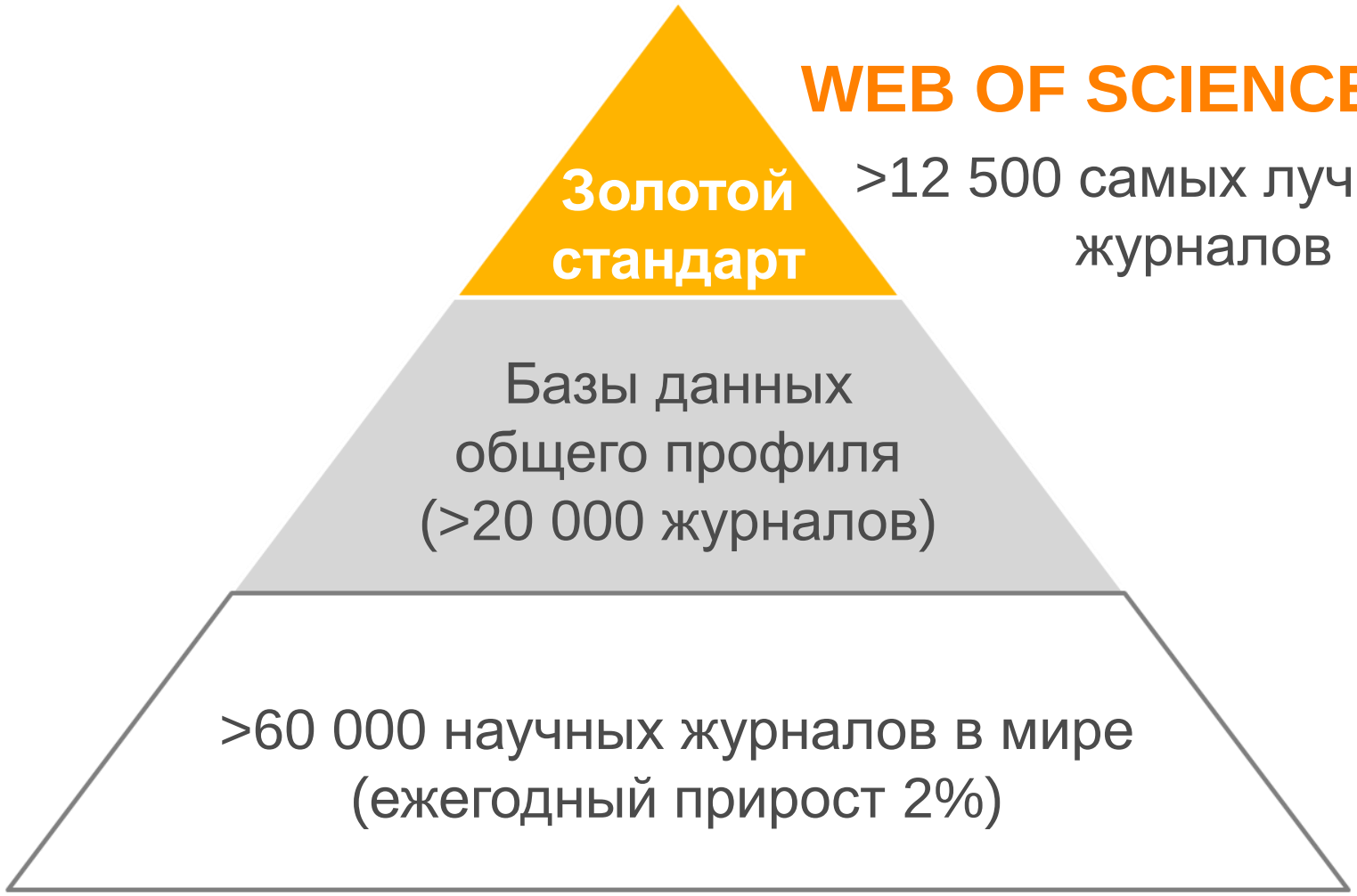

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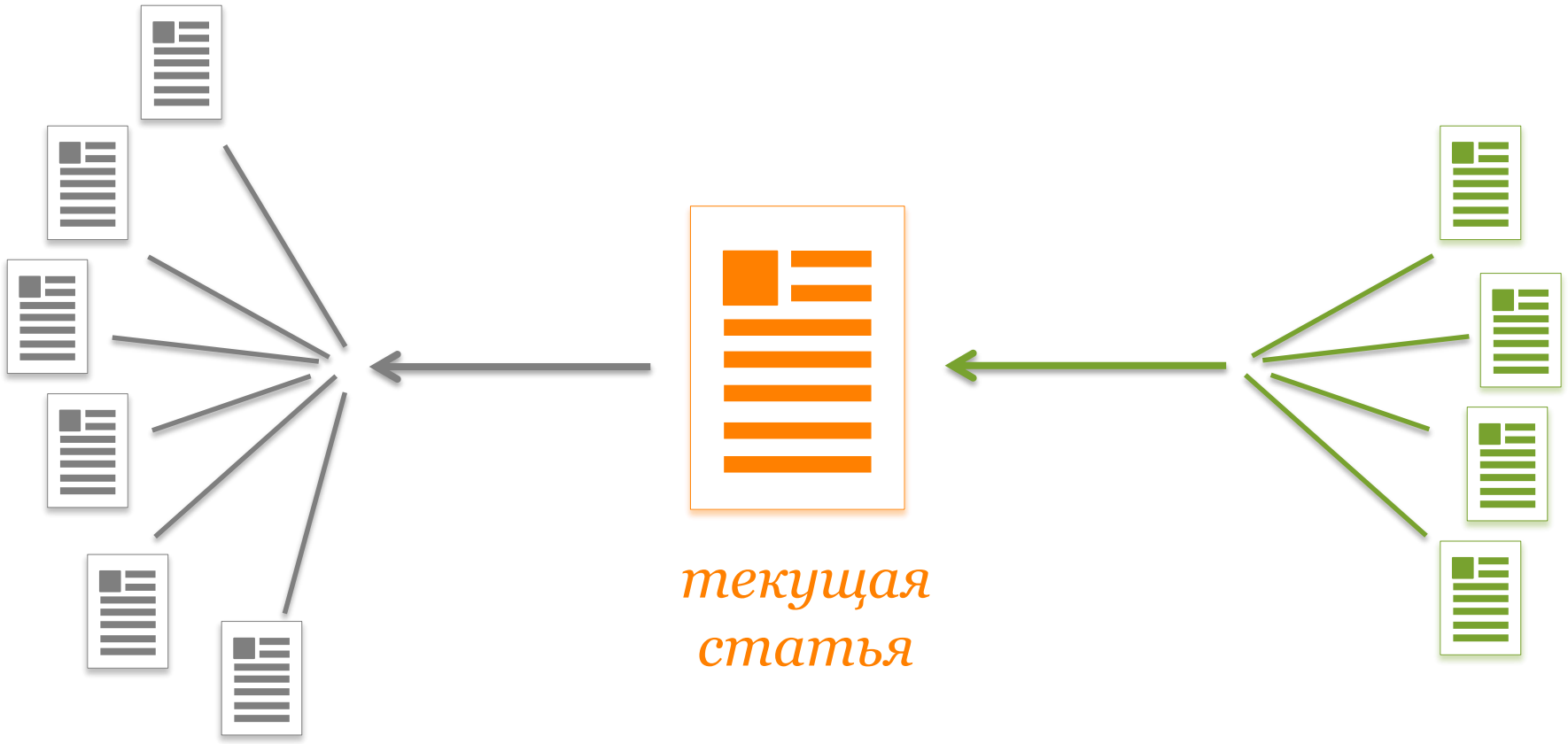

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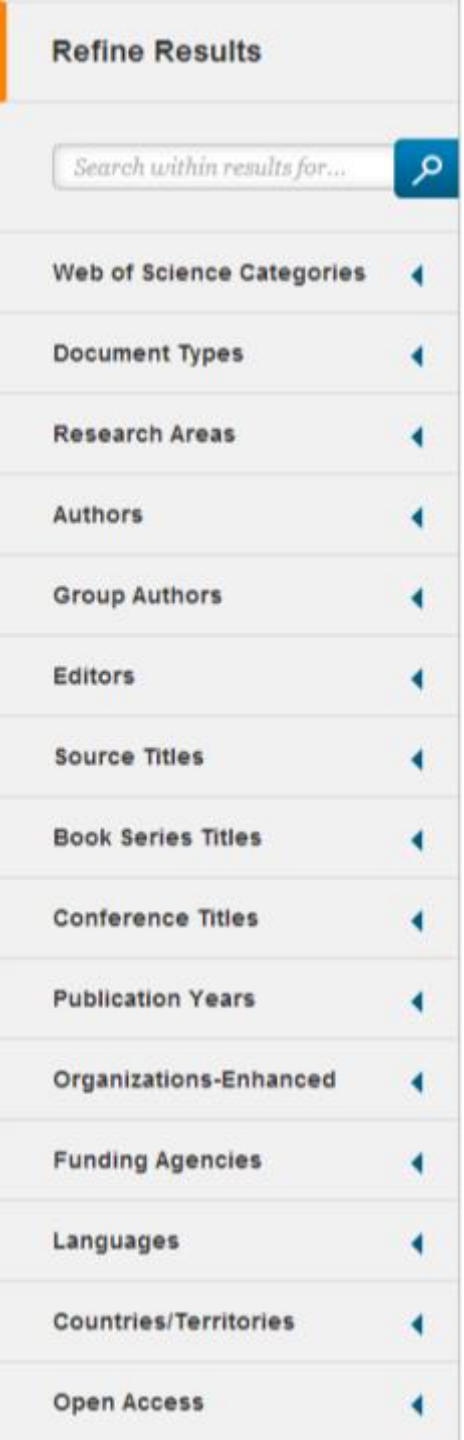
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By: Woolfenden, Elizabeth
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Pages: 2674-2684 Published: APR 16 2010
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Times Cited: 40
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2. **Temperature controlled ionic liquid-dispersive liquid phase microextraction for determination of trace lead level in blood samples prior to analysis by flame atomic absorption spectrometry with multivariate optimization**

By: Shah, Faheem; Kazi, Tasneem Gul; Naeemullah; et al.
MICROCHEMICAL JOURNAL Volume: 101 Pages: 5-10
Published: MAR 2012
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Times Cited: 26
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3. **Estimating personal PM2.5 exposures using CO measurements in Guatemalan households cooking with wood fuel**

By: Northcross, Amanda; Chowdhury, Zohir; McCracken, John; et

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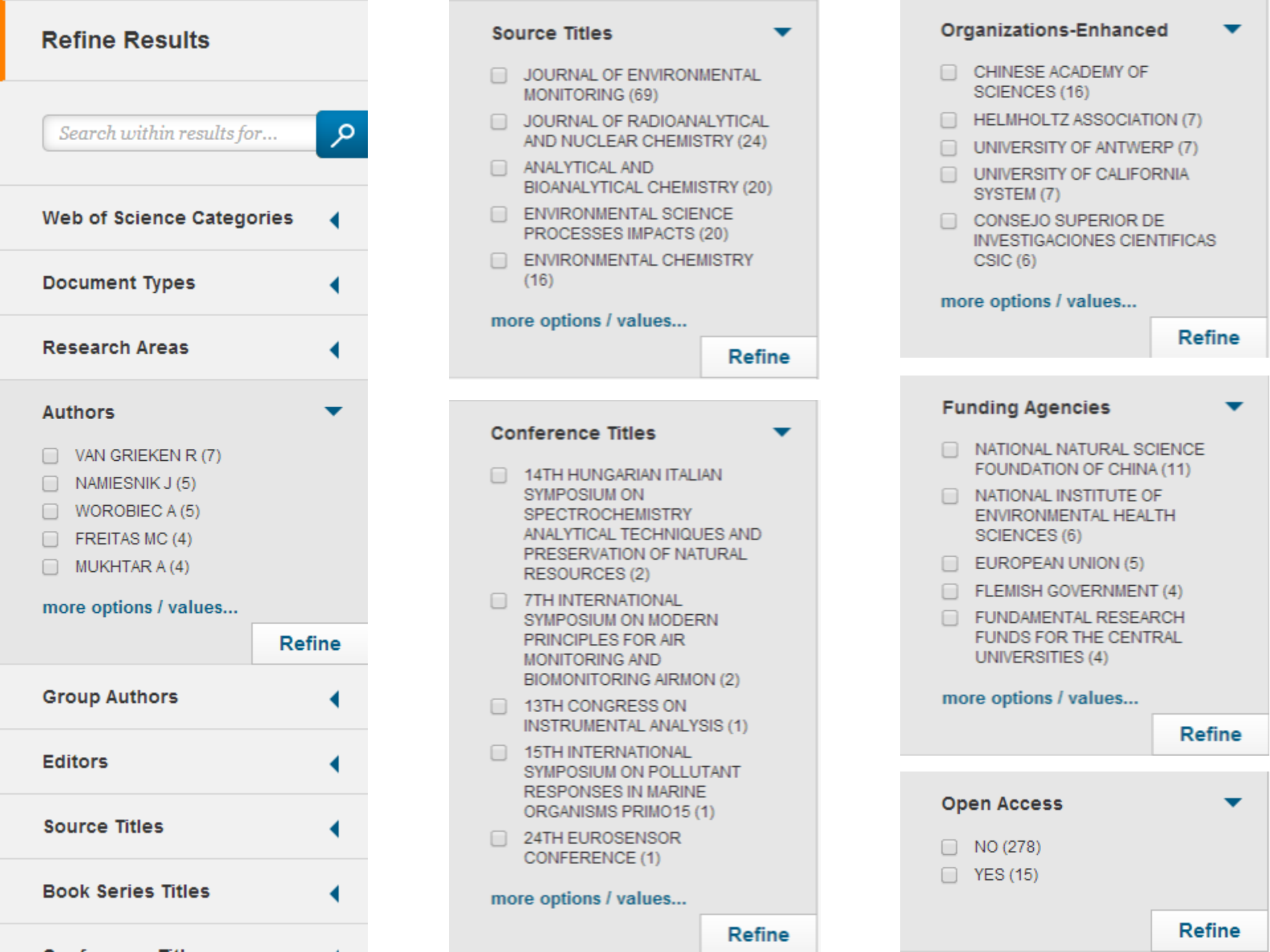
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Temperature controlled ionic liquid-dispersive liquid phase microextraction for determination of trace lead level in blood samples prior to analysis by flame atomic absorption spectrometry with multivariate optimization

By: Shah, F (Shah, Faheem)[1,2] ; Kazi, TG (Kazi, Tasneem Gul)[1] ; Naeemullah (Naeemullah)[1] ; Afridi, HI (Afridi, Hassan Imran)[1] ; Soylak, M (Soylak, Mustafa)[2]

MICROCHEMICAL JOURNAL
Volume: 101 **Pages:** 5-10
DOI: 10.1016/j.microc.2011.09.009
Published: MAR 2012
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Abstract

This paper described a new approach for the preconcentration of lead (Pb2+) by temperature controlled ionic liquid-dispersive liquid phase microextraction (TIL-DLME) prior to analyzing by flame atomic absorption spectrometry (FAAS). An ionic liquid (IL) 1-Butyl-3-methylimidazolium hexafluorophosphate [C4MIM][PF6] was used as an extractant solvent. The Pb2+ was complexed with ammonium pyrrolidinedithiocarbamate (APDC) and then entered into the infinite IL drops at high temperature (>70 degrees C). Important variables affecting the microextraction efficiency such as pH, ligand concentration, amount of IL temperature and incubation time were investigated. The results showed that the coexistent

ions had no obvious negative effect on the determination of Pb2+. In the optimum experimental conditions, the limit of detection (LOD) and the enhancement factor (EF) were 0.13 mu g L-1 and 93, respectively. The relative standard deviation (RSD) of 10 mu g L-1. Pb2+ was 4.3%. The developed method was validated by determining Pb2+ in certified reference material (CRM) and the results showed that the determined values of Pb2+ were in good agreement with the certified value. The proposed method was applied satisfactorily for the preconcentration of Pb2+ in acid digested blood samples of children with different respiratory disorders.

Keywords

Author Keywords: 1-Butyl-3-methylimidazolium; hexafluorophosphate; Lead; Ammonium pyrrolidinedithiocarbamate; Microextraction; Blood samples

KeyWords Plus: SINGLE DROP MICROEXTRACTION; CLOUD POINT EXTRACTION; AIR-POLLUTION; ENVIRONMENTAL-SAMPLES; WATER SAMPLES; PRECONCENTRATION; EXPOSURE; CHILDREN; MANGANESE(II); IMIDAZOLIUM

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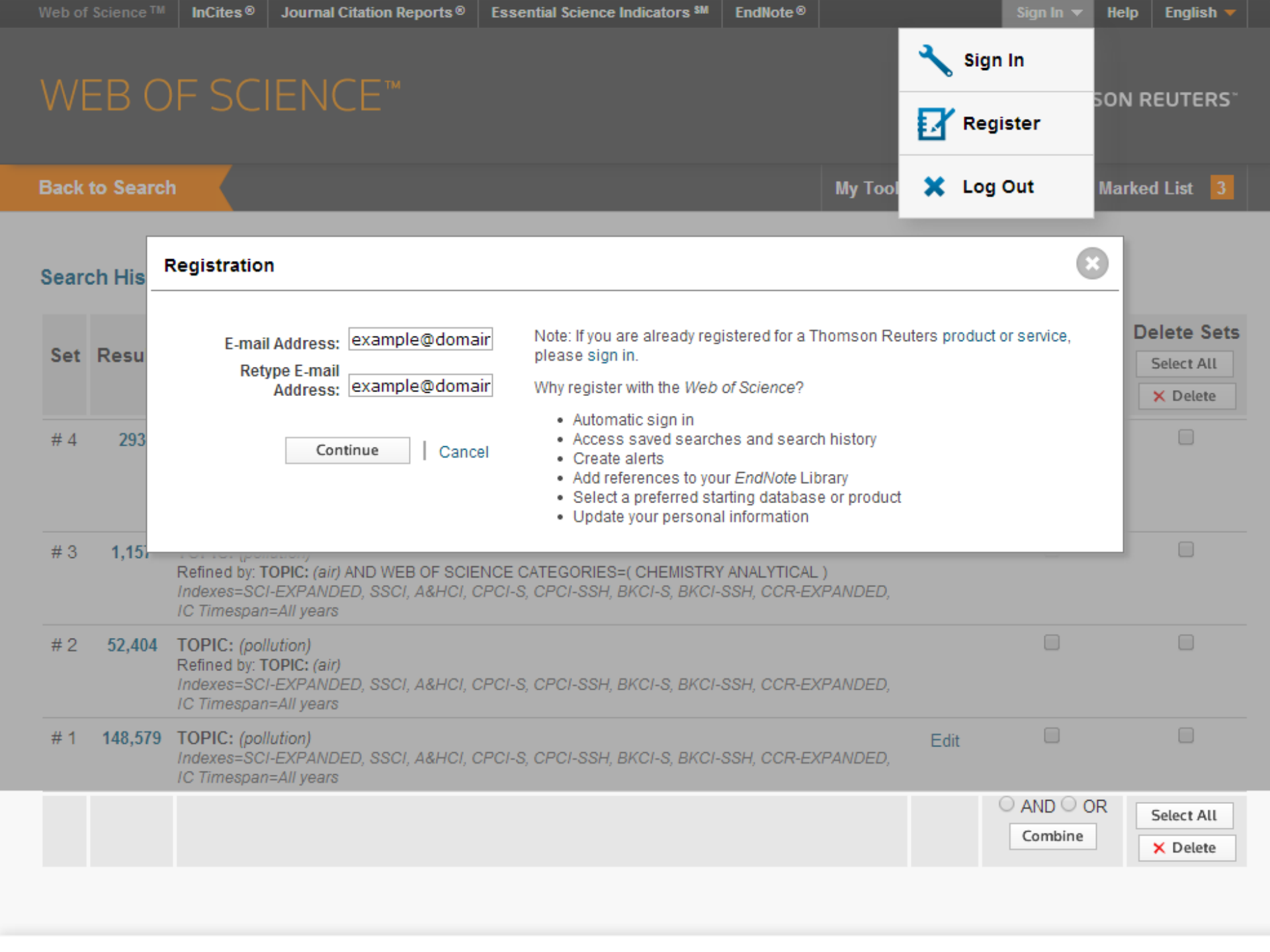
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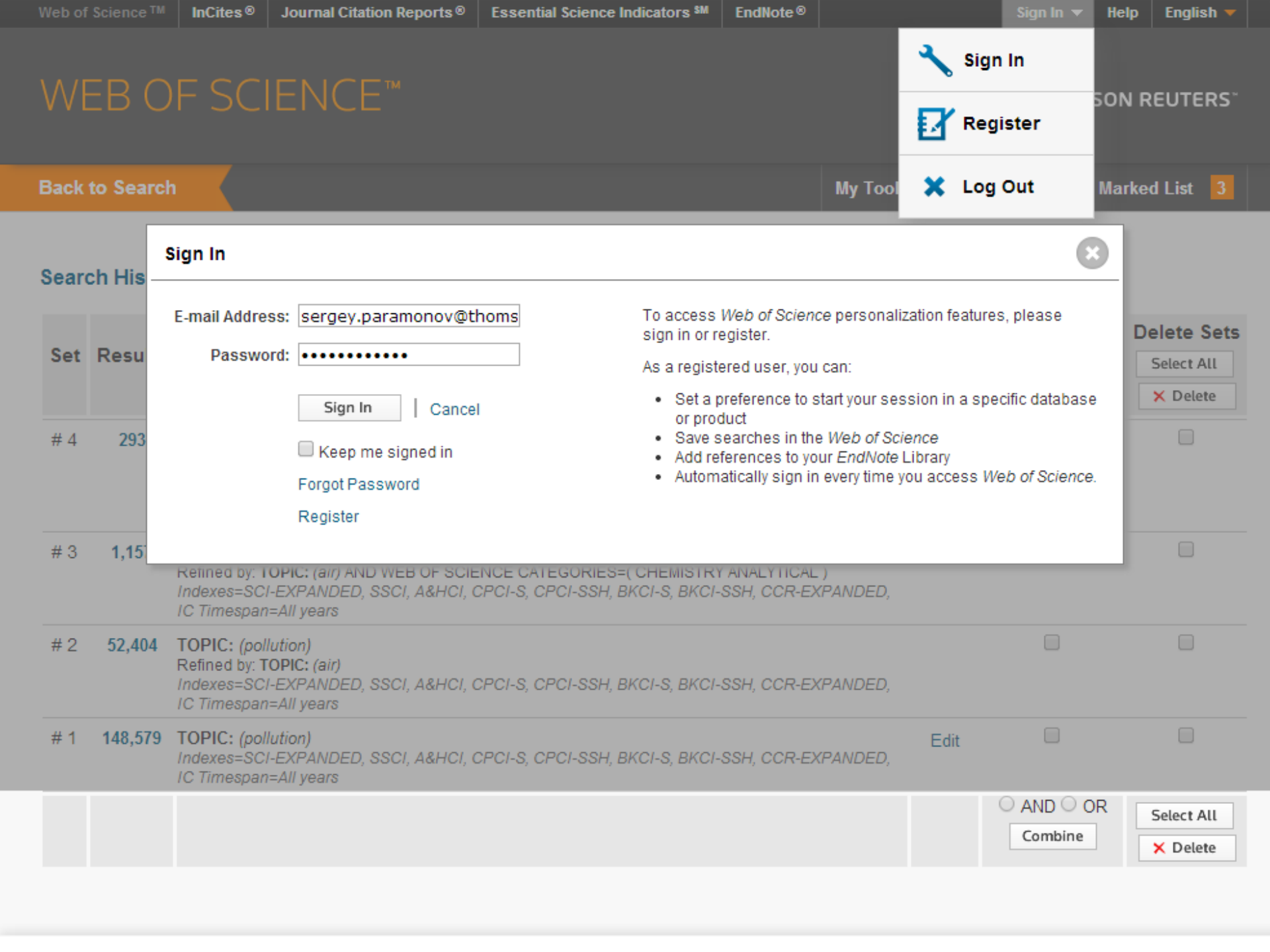
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Sorbent-based sampling methods for volatile and semi-volatile organic compounds in air Part 1: Sorbent-based air monitoring options

By: Woolfenden, E (Woolfenden, Elizabeth)

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Abstract

Sorbent tubes/traps are widely used in combination with gas chromatographic (GC) analytical methods to monitor the vapour-phase fraction of organic compounds in air. Target compounds range in volatility from acetylene and freons to phthalates and PCBs and include apolar. polar and reactive species. Airborne vapour concentrations will vary depending on the nature of the location, nearby pollution sources, weather conditions, etc. Levels can range from low percent concentrations in stack and vent emissions to low part per trillion (ppt) levels in ultra-clean outdoor locations. Hundreds, even thousands of different compounds may be present in any given atmosphere. GC is commonly used in combination with mass spectrometry (MS) detection especially for environmental monitoring or for screening uncharacterised workplace atmospheres. Given the complexity and variability of organic vapours in air, no one sampling approach suits every monitoring scenario. A variety of different sampling strategies and sorbent media have been

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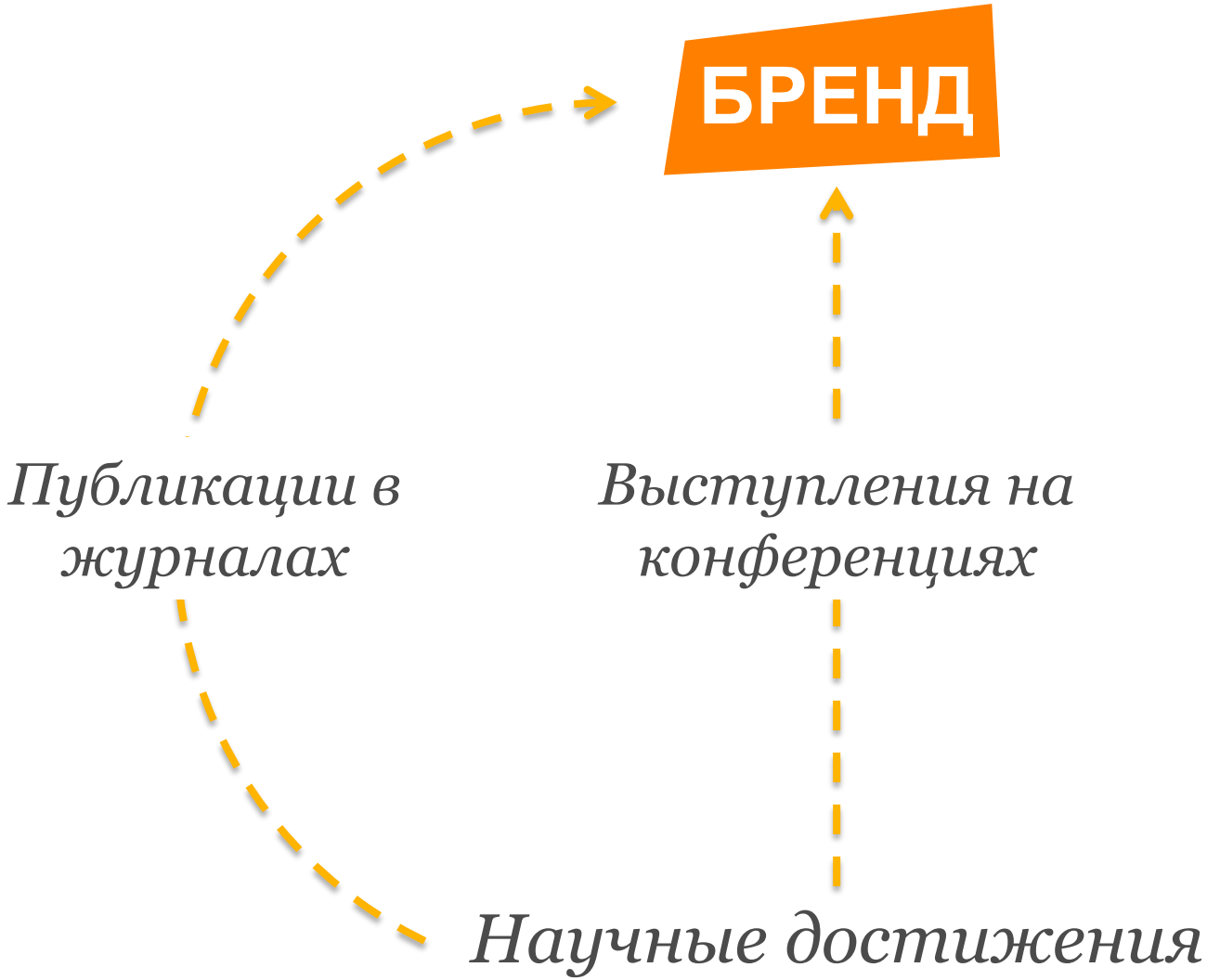

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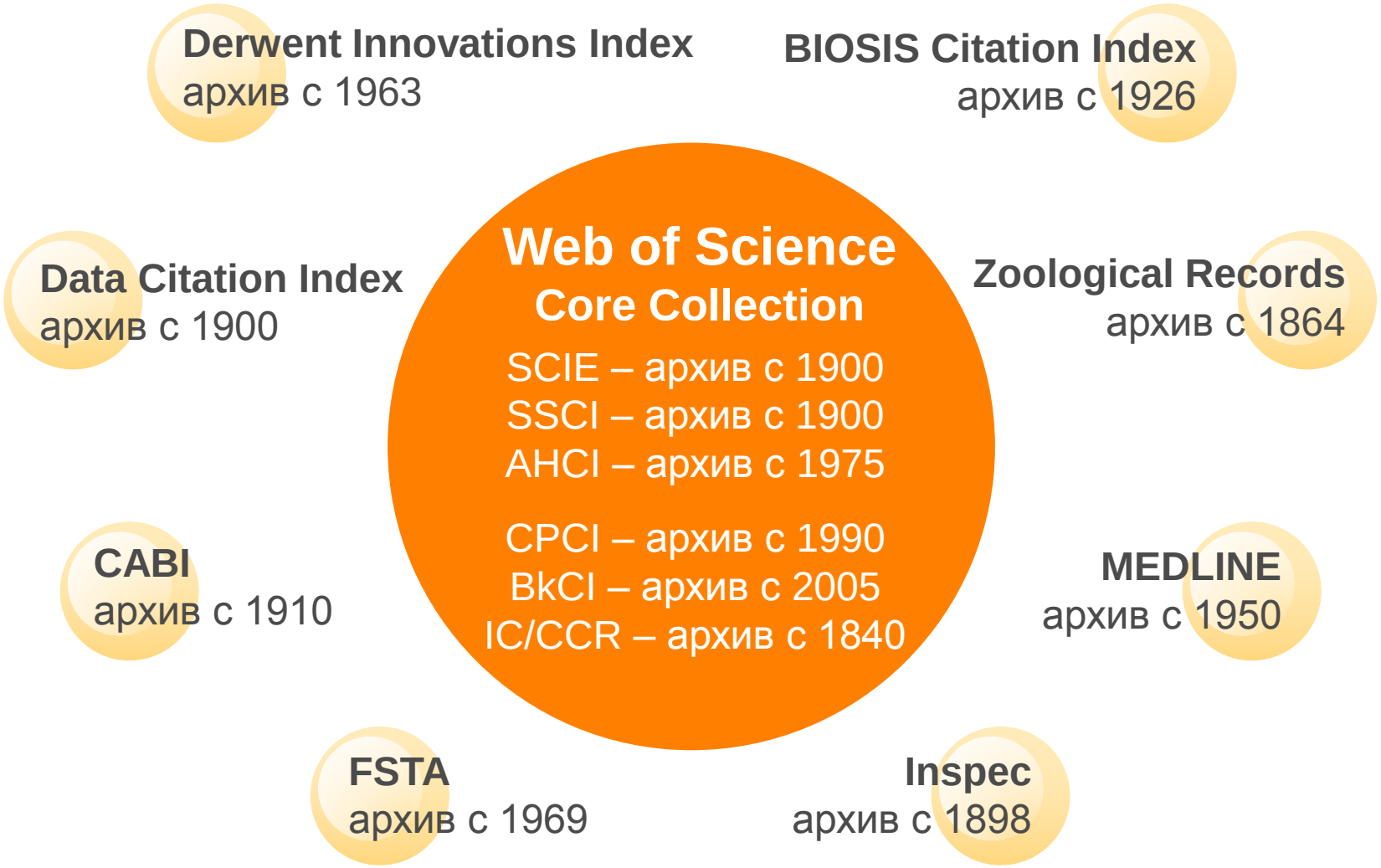

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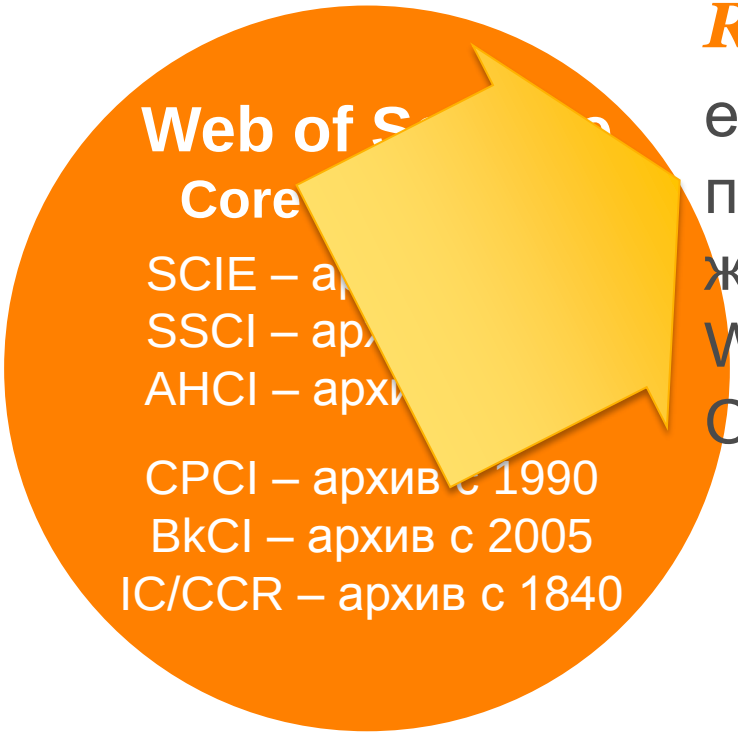

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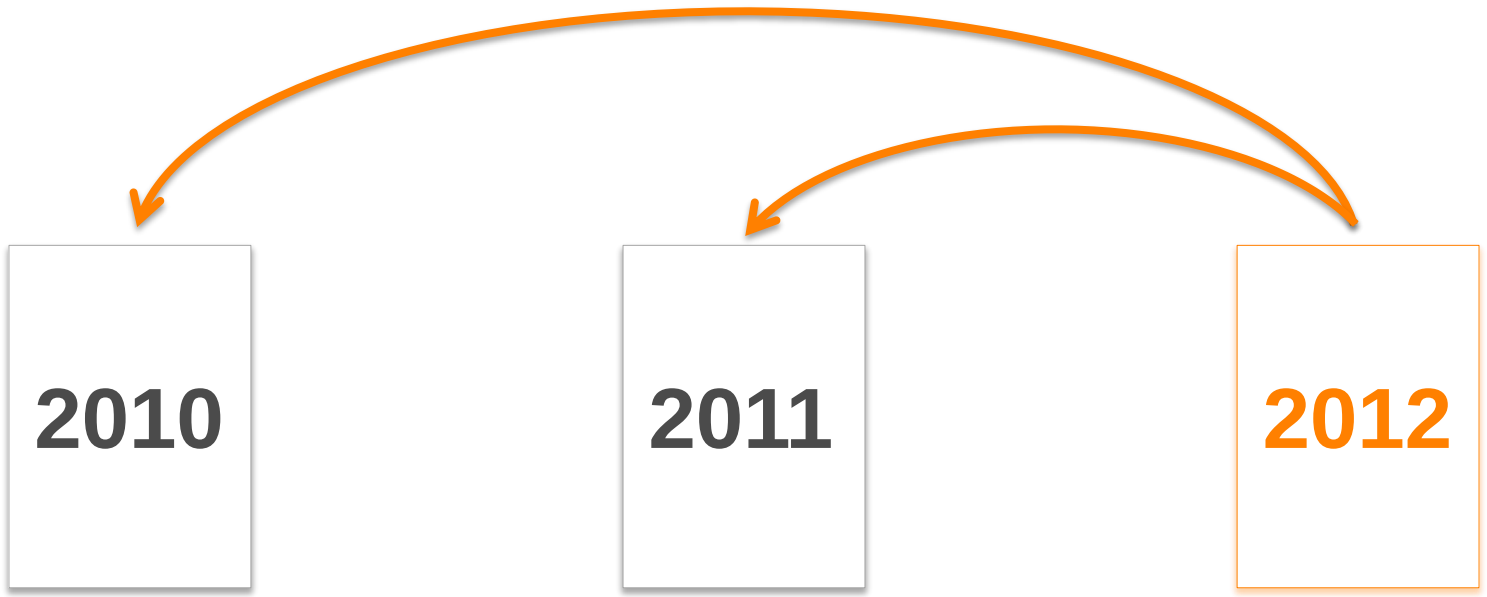

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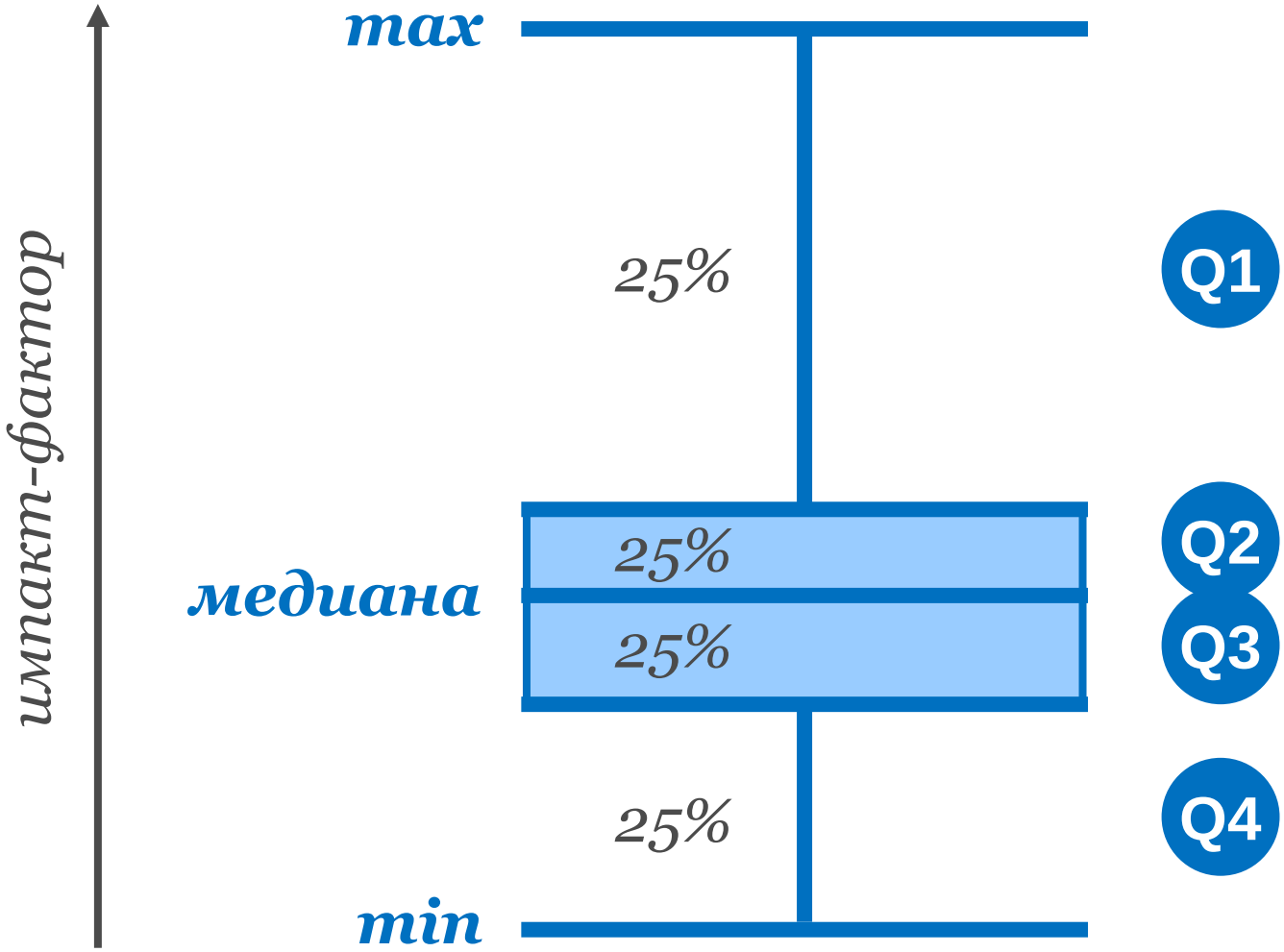

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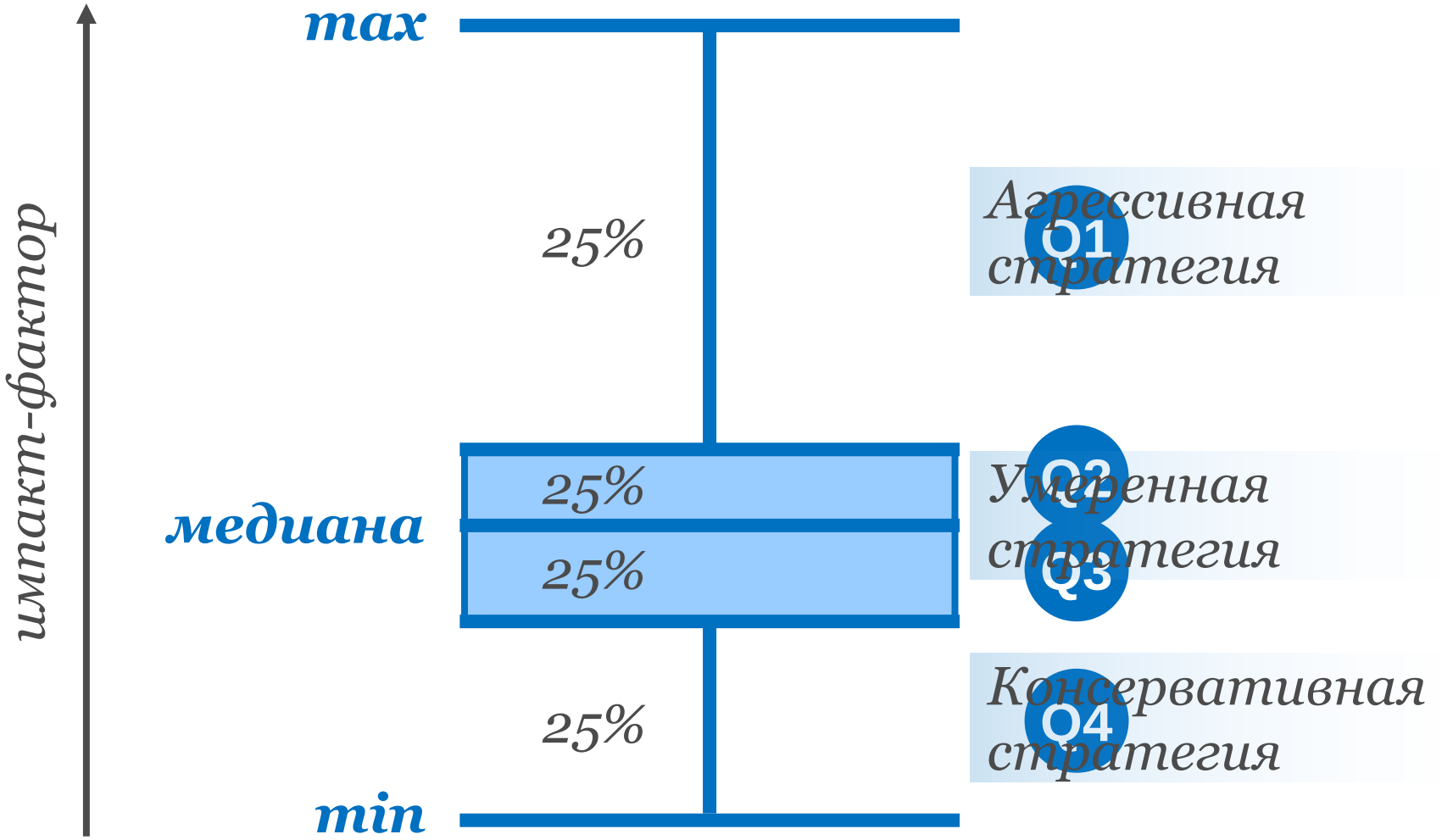

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By: Woolfenden, E (Woolfenden, Elizabeth)

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conditions, etc. Levels can range from low percent concentrations in stack and vent emissions to low part per trillion (ppt) levels in ultra-clean outdoor locations. Hundreds, even thousands of different compounds may be present in any given atmosphere. GC is commonly used in combination with mass spectrometry (MS) detection especially for environmental monitoring or for screening uncharacterised workplace atmospheres. Given the complexity and variability of organic vapours in air, no one sampling approach suits every monitoring scenario. A variety of different sampling strategies and sorbent media have been

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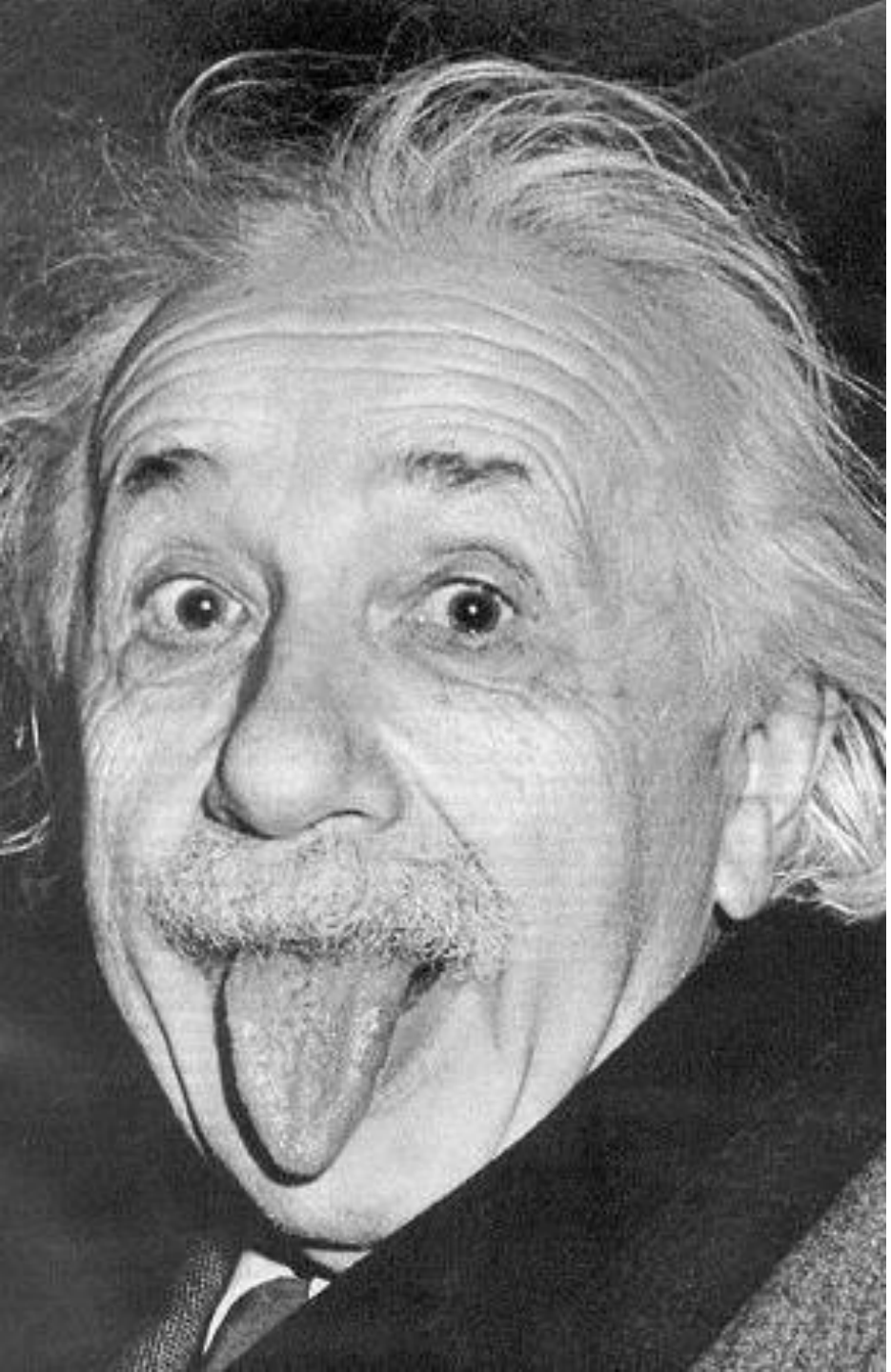

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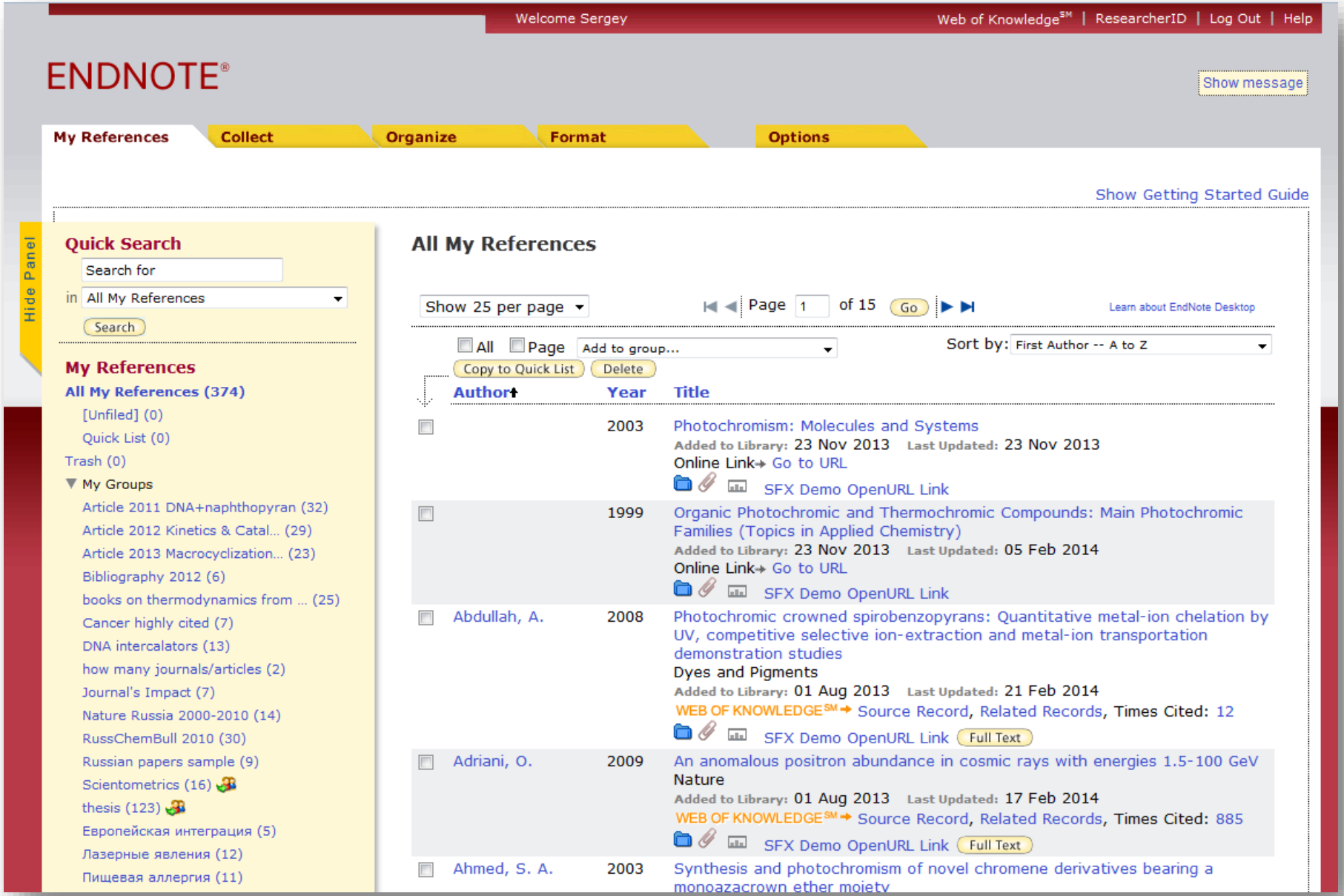
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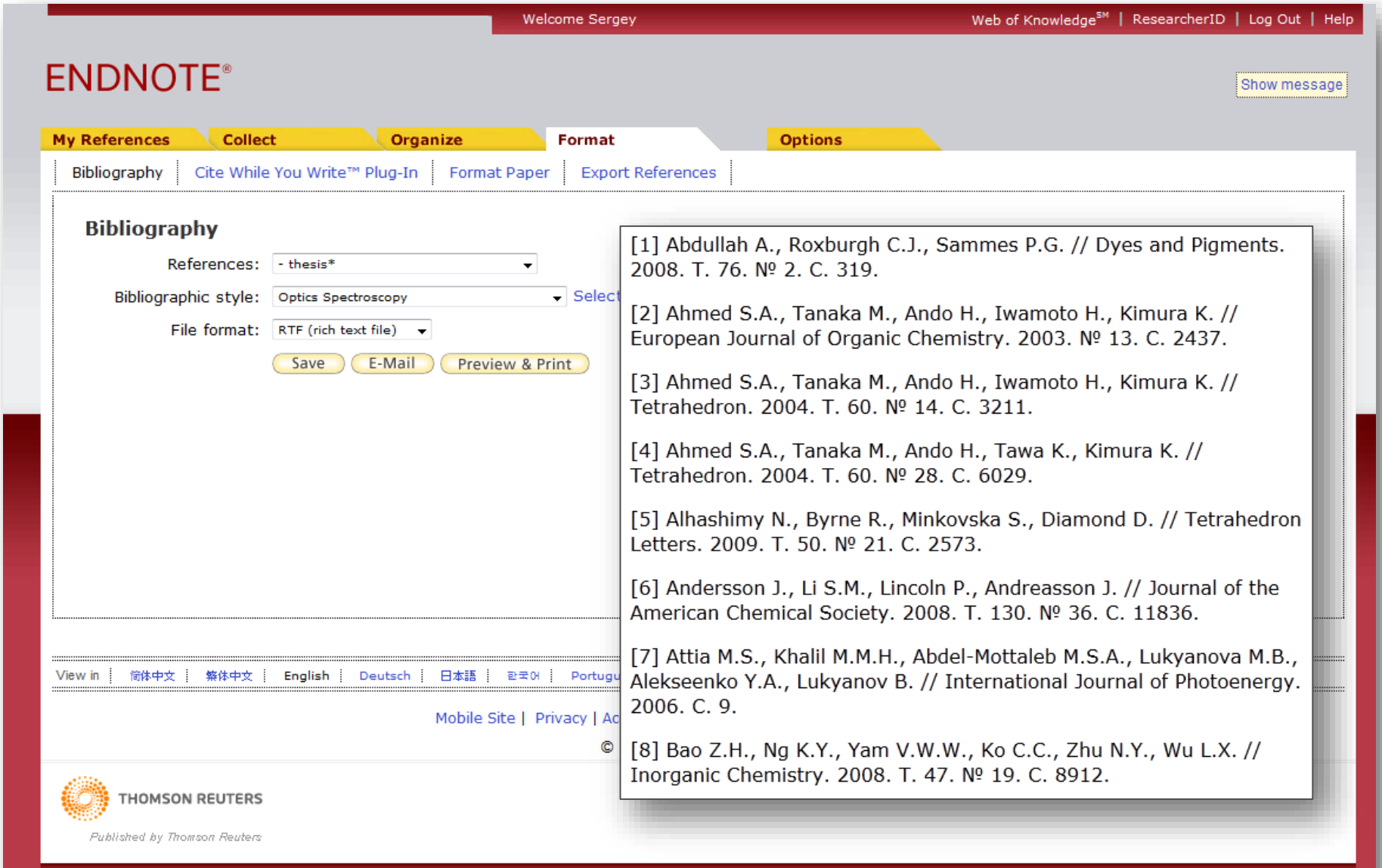
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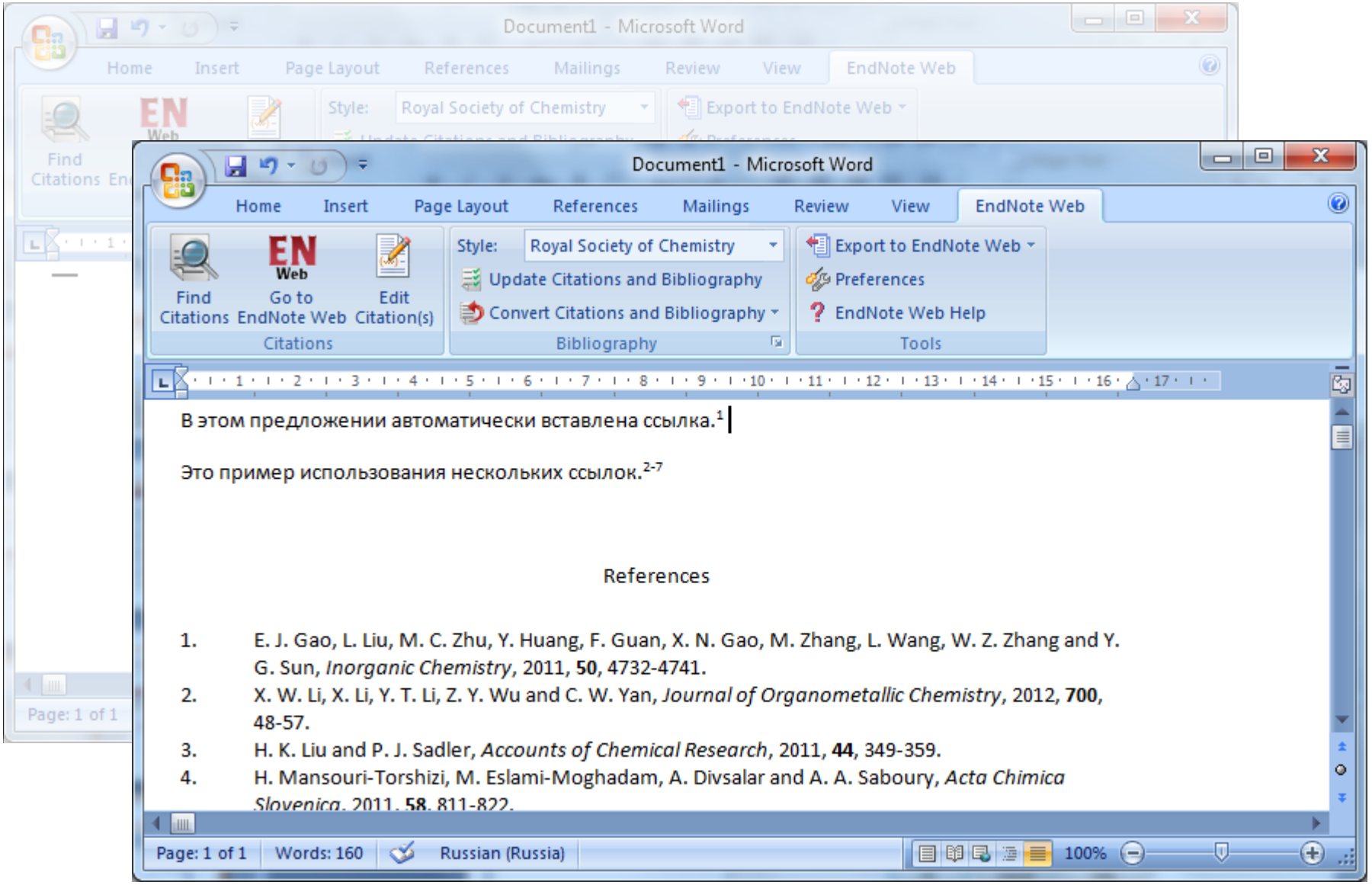
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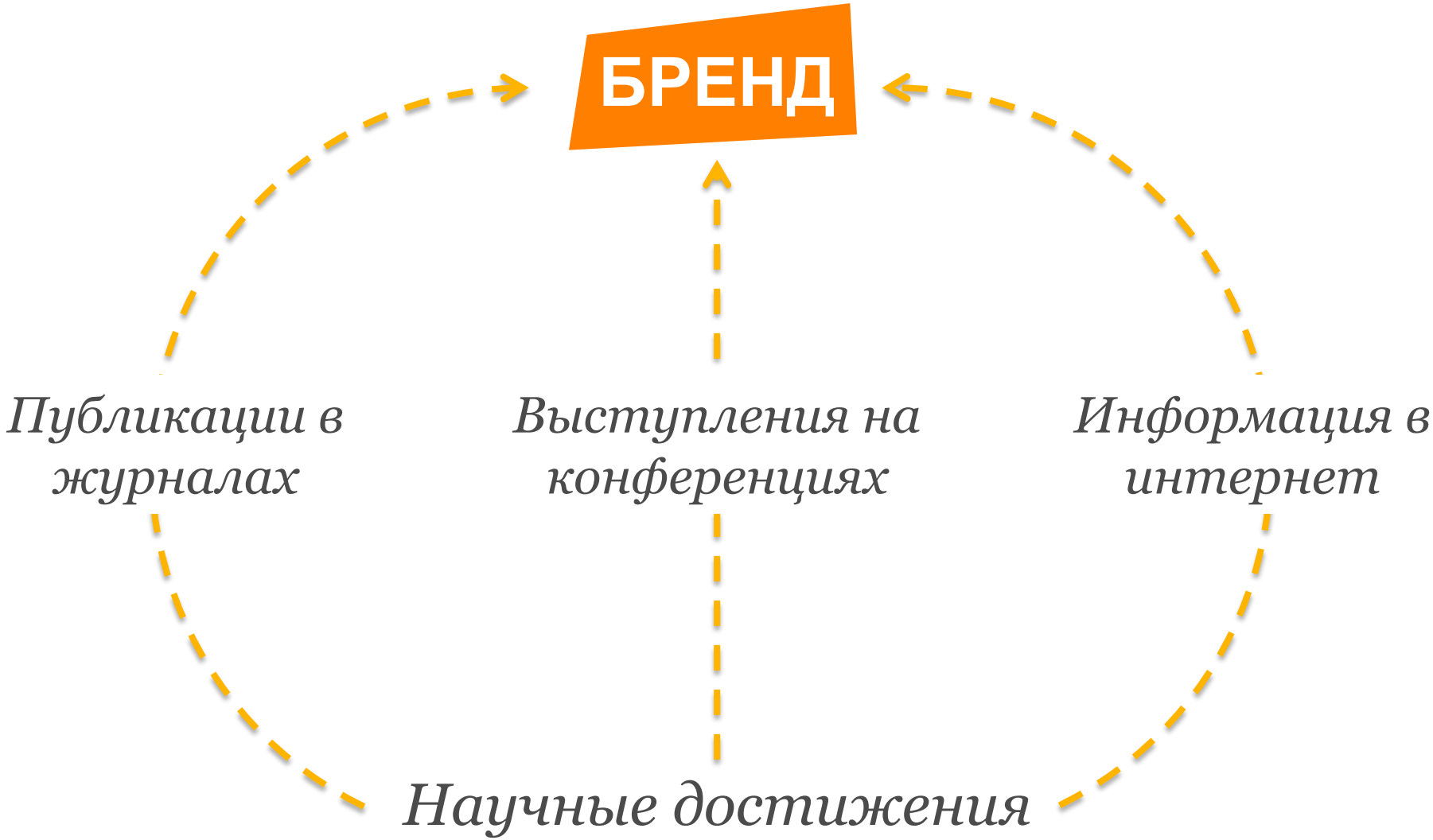

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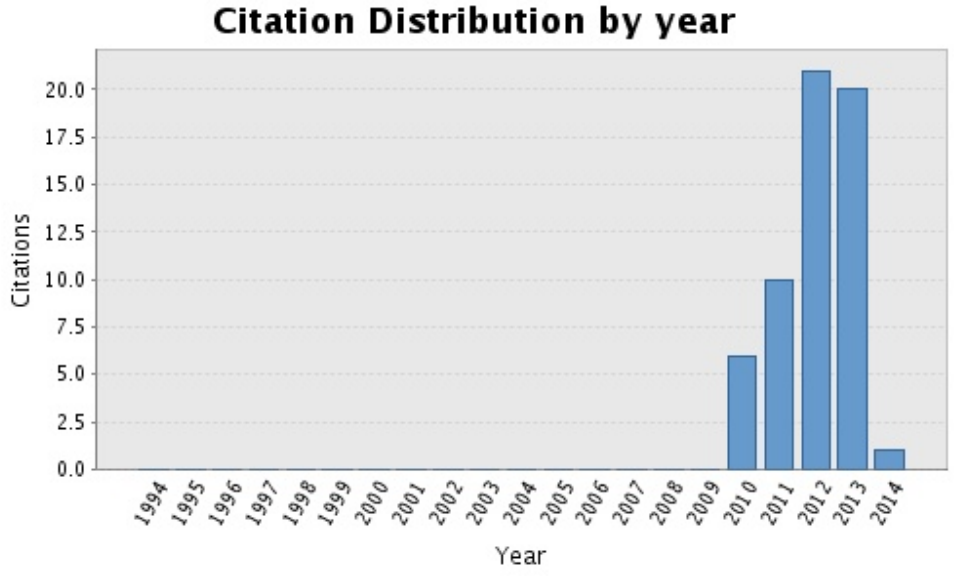

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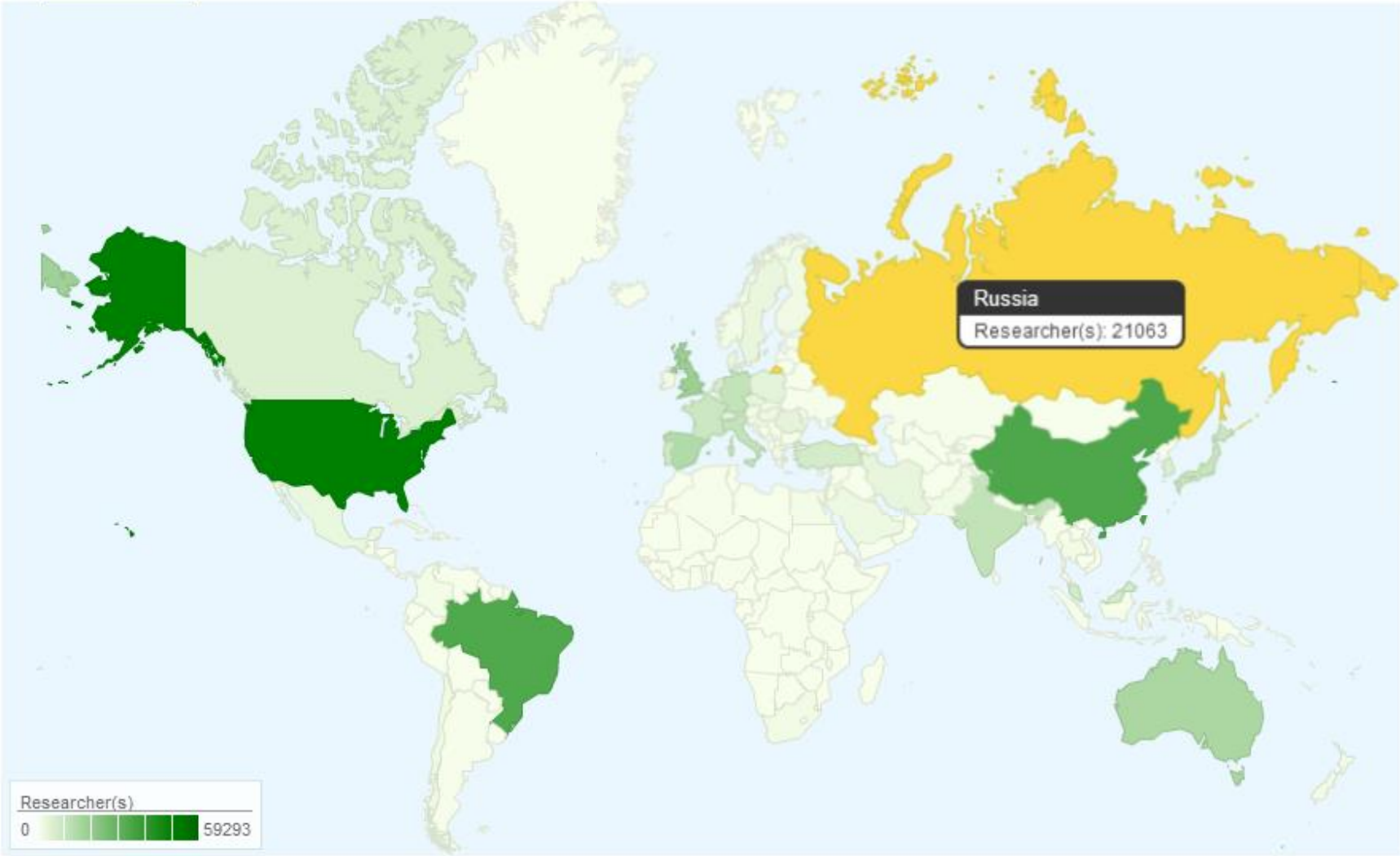

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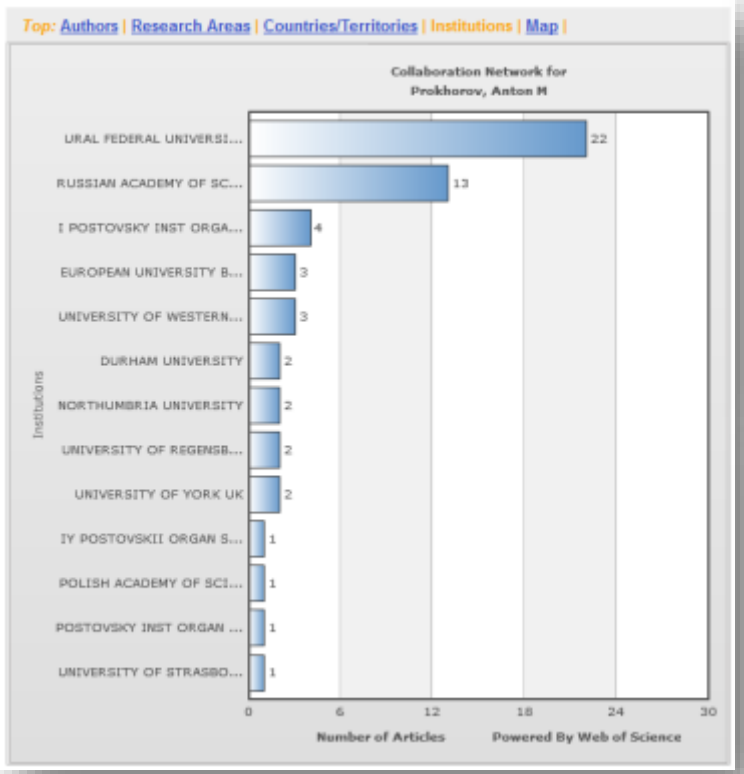
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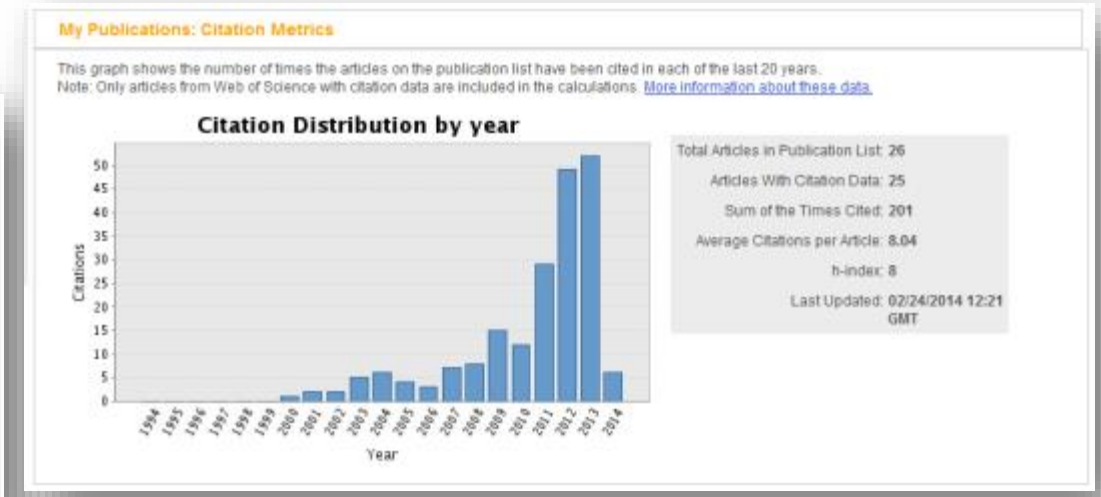
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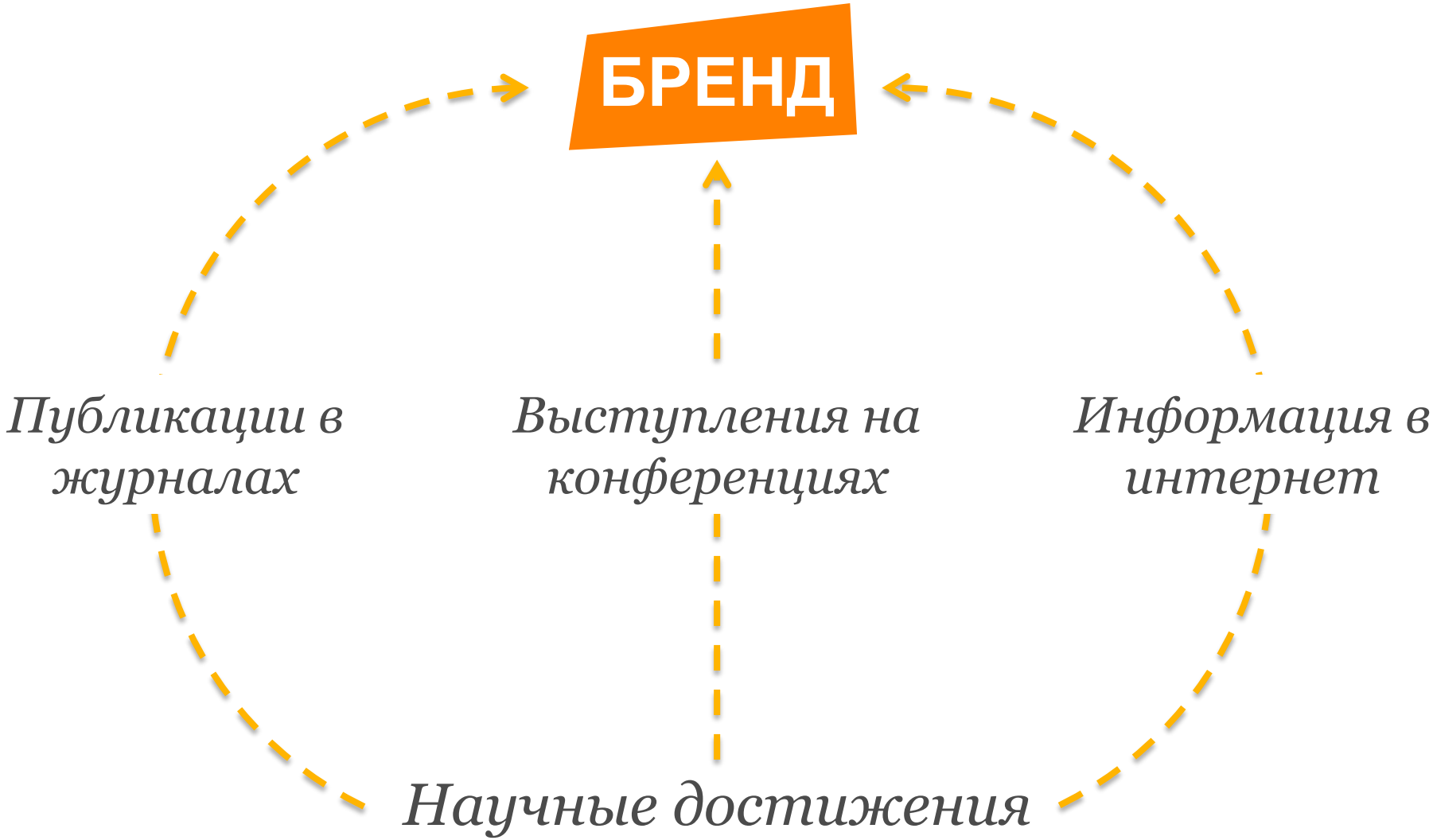

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