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Overview

- Brief History
- Submissions & Workflow
- Copyright & Publishers
- Open Access
- Questions & Answers
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Brief History
Brief History

- Launched Fall 2010
- Research on best practices
- Faculty feedback
- Starting slow
Brief History

- First uploads
  - ~60 items
  - Grew to 200
  - Grew to 500
  - Grew to 1500+
Brief History

- Metadata modification
- Resource types
- Authors from multiple institutions
- Source
Reference Beyond the Desk: Nontraditional Modes of Reference

**Creator (Author):** Thomsett-Scott, Beth  
University of North Texas

**Original Creation Date:** April 15, 2011

**Description:** This presentation discusses virtual reference services in libraries. The topics include virtual reference systems, with examples of what other institutions have adopted, collaborative virtual reference services with examples, and how reference librarians away from their desk and even off campus have developed new referencing services.

**Degree:**  
Department: Libraries

**Physical Description:** 50 p.

**Language(s):**  
- English

**Subject(s):**

**Keyword(s):** virtual reference systems | reference services | librarians

**Source:** Texas Library Association (TLA) Annual Conference, 2011, Austin, Texas, United States

**Contributor(s):**  
- Organizer of meeting: Texas Library Association (TLA)

**Partner:** UNT Libraries
Submissions & Workflow
Submissions & Workflow

Who can submit:

- Faculty, staff, and *students
  - Theses and dissertation materials
  - Conference materials
  - Published items
Submissions & Workflow

Submission Methods:

- Email (PDF, Word, PowerPoint)
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- Picking it up
Submissions & Workflow

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- Normalize the file formats
  - JPEG
  - PDF
  - Other version – if applicable
Prediction of Toxicity, Sensory Responses and Biological Responses with the Abraham Model

This book chapter discusses the prediction of toxicity, sensory responses and biological responses with the Abraham model.

Creator(s):
- Acree, William E. (William Eugene)
- Grubbs, Laura M.
- Abraham, M. H. (Michael H.)

Creation Date: February 10, 2012

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Mathematical correlations for describing enthalpies of solvation of organic vapors and gaseous solutes into ionic liquid solvents

MATHENTICAL CORRELATIONS FOR DESCRIBING ENTHALPIES OF SOLVATION OF ORGANIC VAPORS AND GASEOUS SOLUTES INTO IONIC LIQUID SOLVENTS

Laura M. Grubbs\textsuperscript{a}, William E. Acree, Jr.\textsuperscript{a}, and Michael H. Abraham\textsuperscript{b}

\textsuperscript{a} Department of Chemistry, 1155 Union Circle Drive \#305070, University of North Texas, Denton, TX 76203-5017 (USA)

\textsuperscript{b} Department of Chemistry, University College London, 20 Gordon Street, London, WC1H 0AJ (UK)

Abstract

Previously reported ion-specific equation coefficients for the Abraham general solvation model are updated using recently published enthalpy of solution data for organic solutes dissolved in room temperature ionic liquids (RTILs). Reported for the first time are equation coefficients for 1-hexylxoxymethyl-3-methylimidazolium, 1,3-dihexylxoxymethylimidazolium, 3-methyl-N-butylpyridinium, \textit{tris}(pentafluoroethyl)trifluorophosphate, and tetraacyanoborate ions. In total 12 sets of cation-specific and 10 sets of anion-specific equation coefficients have been determined
Submissions & Workflow

- Create the metadata record
- Qualified Dublin Core
- Involves some research
### Subject

**Library of Congress Subject Headings**
- Education, Higher—Digital libraries

### Primary Source

### Coverage

### Source

**Conference**
- American Library Association Annual Conference, 2011, New Orleans, Louisiana, United States

### Citation

_Citation information related to the source item_
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**Authorized:** Acree, William E. (William Eugene)

**Name Type:** Personal

**URI:** [http://digital2.library.unt.edu/name/nm0000381](http://digital2.library.unt.edu/name/nm0000381)

**Biographical Info:**

**Affiliations**

- University of Missouri-Rolla: Alumnus (1975)
- University of Missouri-Rolla: Alumnus (1977)
- University of Missouri-Rolla: Alumnus (1981)
- Phillips Petroleum Co: Research Associate (1980)
- University of Kansas: Research Associate (1980-1981)
- University of Kansas: Instructor (1981-1982)
- Kent State University: Faculty (1982-1988)
- Kent State’s Liquid Crystal Institute: Faculty (1985-1988)
- University of North Texas: Faculty (1988- )

**Subject Areas**

- Chemistry

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**Publishes As:**

- Acree, William E., Jr.
- Acree, Bill

**Alternate Formats**

- [MADS/XML](#)
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### Basic Info

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NACO normalized form of the name

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### Biography

#### Affiliations

- *University of Missouri-Rolla:* Alumnus (1975)
- *University of Missouri-Rolla:* Alumnus (1977)
- *University of Missouri-Rolla:* Alumnus (1981)
- *University of Kansas:* Research Associate (1980-1981)
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- *University of North Texas:* Faculty (1988-)

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- **Published version**
  - Publisher-generated, final published version with typesetting and logos
DEVELOPMENT OF ABRAHAM MODEL CORRELATIONS FOR SOLVATION

CHARACTERISTICS OF LINEAR ALCOHOLS


*Department of Chemistry, 1155 Union Circle Drive #305070, University of North Texas, Denton, TX 76203-5017 (USA)

bDepartment of Chemistry, University College London, 20 Gordon Street, London, WC1H 0AJ (UK)

Abstract

Data have been compiled from the published literature on the partition coefficients of solutes and vapors into the anhydrous linear alcohols (methanol through 1-heptanol, and 1-decanol) from both water and from the gas phase. The logarithms of the water-to-alcohol partition coefficients (log P) and gas-to-alcohol partition coefficients (log K) were correlated with the Abraham solvation parameter model. The derived correlations described the observed log P and log K values to within average standard deviations of 0.14 and 0.12 log units, respectively. The predictive abilities of the each correlation were assessed by dividing databases into a separate training set and test set.
Development of Abraham model correlations for solvation characteristics of linear alcohols

Laura M. Sprunger\textsuperscript{a}, Sai S. Achi\textsuperscript{a}, Racheal Pointer\textsuperscript{a}, Brooke H. Blake-Taylor\textsuperscript{a}, William E. Acree Jr.\textsuperscript{b,*}, Michael H. Abraham\textsuperscript{b}

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\textbf{ABSTRACT}

Data have been compiled from the published literature on the partition coefficients of solutes and vapors into the anhydrous linear alcohols (methanol through 1-heptanol, and 1-decanol) from both water and from the gas phase. The logarithms of the water-to-alcohol partition coefficients ($\log P$) and gas-to-alcohol partition coefficients ($\log K$) were correlated with the Abraham solvation parameter model. The derived correlations described the observed $\log P$ and $\log K$ values to within average standard deviations of 0.14 and 0.12 log units, respectively. The predictive abilities of the each correlation were assessed by dividing databases into a separate training set and test set.

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1. Introduction

The solubility of crystalline solutes in both neat organic solvents and mixtures has received considerable attention in recent years due to the important role that solubility plays in the manufacture of new chemical materials and pharmaceutical products. For newly synthesized compounds, supply is often very limited and there is

and for processes involving solute transfer from the gas phase to a condensed phase

$$\log K = c + eE + sS + aA + bB + iI$$

The dependent variables in Eqs. (1) and (2) are the logarithm of the solute's water-to-organic solvent partition coefficient, $\log P$, and...
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Video on open access explained:

http://www.youtube.com/watch?v=L5rVH1KGBCY
Blog post on open access:
http://blogs.berkeley.edu/2013/04/08/open-access-explained/
Questions & Answers

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