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LCCN	65022772 //r842		Chart/graph/table/figure

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Publication Title	Fundamentals of carbanion chemistry	Country	United States of America
Author/Editor	CRAM, DONALD J.	Rightsholder	Elsevier Science & Technology Journals
Date	01/01/1965	Publication Type	Book
Language	English		

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Title	Pushing the Limits of the Lithium Indicator Carbon Acidity Scale Using Cyclopentadiene Chemistry and <sup>19</sup> F NMR Spectrometry	Institution name	Virginia Polytechnic Institute and State University
Instructor name	Paul Deck	Expected presentation date	2022-04-27

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Title, description or numeric reference of the portion(s)	Equation 6	Title of the article/chapter the portion is from	Chapter 1
Editor of portion(s)	N/A	Author of portion(s)	CRAM, DONALD J.
Volume of serial or monograph	N/A	Issue, if republishing an article from a serial	N/A
Page or page range of portion	3	Publication date of portion	1965-01-01

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Instructor name	Paul Deck	Expected presentation date	2022-04-27

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Editor of portion(s)	N/A	Author of portion(s)	CRAM, DONALD J.
Volume of serial or monograph	N/A	Issue, if republishing an article from a serial	N/A
Page or page range of portion	19	Publication date of portion	1965-01-01

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Page or page range of portion	14	Publication date of portion	1965-01-01

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<b>Order Date</b>	11-May-2022	<b>Type of Use</b>	Republish in a thesis/dissertation
<b>Order License ID</b>	1220380-3	<b>Publisher</b>	Canadian Science Publishing
<b>ISSN</b>	1480-3291	<b>Portion</b>	Chart/graph/table/figure

## LICENSED CONTENT

<b>Publication Title</b>	Canadian journal of chemistry	<b>Publication Type</b>	e-Journal
<b>Article Title</b>	Extended lithium ion pair indicator scale in tetrahydrofuran	<b>Start Page</b>	765
<b>Date</b>	01/01/1951	<b>End Page</b>	769
<b>Language</b>	English, French	<b>Issue</b>	6
<b>Country</b>	Canada	<b>Volume</b>	76
<b>Rightsholder</b>	Canadian Science Publishing	<b>URL</b>	http://collection.nlc-bnc.ca/101/201/301/cdn5%fjrn5%Fchem/index.html

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<b>Number of charts / graphs / tables / figures requested</b>	2	<b>Translation</b>	Original language of publication
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<b>Who will republish the content?</b>	Academic institution	<b>Minor editing privileges?</b>	No
<b>Duration of Use</b>	Life of current edition	<b>Incidental promotional use?</b>	No
<b>Lifetime Unit Quantity</b>	Up to 499	<b>Currency</b>	USD
<b>Rights Requested</b>	Main product		

## NEW WORK DETAILS

<b>Title</b>	Pushing the Limits of the Lithium Indicator Carbon Acidity Scale Using Cyclopentadiene Chemistry and 19F NMR Spectrometry	<b>Institution name</b>	Virginia Polytechnic Institute and State University
<b>Instructor name</b>	Paul Deck	<b>Expected presentation date</b>	2022-05-13

## ADDITIONAL DETAILS

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Order reference number	N/A	The requesting person / organization to appear on the license	Harley Ramsey
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## REUSE CONTENT DETAILS

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Title, description or numeric reference of the portion(s)	Figure 2	Title of the article/chapter the portion is from	Extended lithium ion pair indicator scale in tetrahydrofuran
Editor of portion(s)	Streitwieser, Andrew; Wang, Daniel Zerong; Stratakis, Manolis; Facchetti, Antonio; Gareyev, Roustam; Abbotto, Alessandro; Krom, James A; Kilway, Kathleen V	Author of portion(s)	Streitwieser, Andrew; Wang, Daniel Zerong; Stratakis, Manolis; Facchetti, Antonio; Gareyev, Roustam; Abbotto, Alessandro; Krom, James A; Kilway, Kathleen V
Volume of serial or monograph	76	Issue, if republishing an article from a serial	6
Page or page range of portion	765-769	Publication date of portion	1998-06-01

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<b>ISSN</b>	1480-3291	<b>Portion</b>	Chart/graph/table/figure

## LICENSED CONTENT

<b>Publication Title</b>	Canadian journal of chemistry	<b>Publication Type</b>	e-Journal
<b>Article Title</b>	Extended lithium ion pair indicator scale in tetrahydrofuran	<b>Start Page</b>	765
<b>Date</b>	01/01/1951	<b>End Page</b>	769
<b>Language</b>	English, French	<b>Issue</b>	6
<b>Country</b>	Canada	<b>Volume</b>	76
<b>Rightsholder</b>	Canadian Science Publishing	<b>URL</b>	http://collection.nlc-bnc.ca/101/201/301/cdn5% fjrn5%Fchem/index.html

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<b>Rights Requested</b>	Main product		

## NEW WORK DETAILS

<b>Title</b>	Pushing the Limits of the Lithium Indicator Carbon Acidity Scale Using Cyclopentadiene Chemistry and 19F NMR Spectrometry	<b>Institution name</b>	Virginia Polytechnic Institute and State University
<b>Instructor name</b>	Paul Deck	<b>Expected presentation date</b>	2022-05-13

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Order reference number	N/A	The requesting person / organization to appear on the license	Harley Ramsey
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## REUSE CONTENT DETAILS

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Title, description or numeric reference of the portion(s)	Table 1	Title of the article/chapter the portion is from	Extended lithium ion pair indicator scale in tetrahydrofuran
Editor of portion(s)	Streitwieser, Andrew; Wang, Daniel Zerong; Stratakis, Manolis; Facchetti, Antonio; Gareyev, Roustam; Abbotto, Alessandro; Krom, James A; Kilway, Kathleen V	Author of portion(s)	Streitwieser, Andrew; Wang, Daniel Zerong; Stratakis, Manolis; Facchetti, Antonio; Gareyev, Roustam; Abbotto, Alessandro; Krom, James A; Kilway, Kathleen V
Volume of serial or monograph	76	Issue, if republishing an article from a serial	6
Page or page range of portion	765-769	Publication date of portion	1998-06-01

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## LICENSED CONTENT

<b>Publication Title</b>	Canadian journal of chemistry	<b>Publication Type</b>	e-Journal
<b>Article Title</b>	Extended lithium ion pair indicator scale in tetrahydrofuran	<b>Start Page</b>	765
<b>Date</b>	01/01/1951	<b>End Page</b>	769
<b>Language</b>	English, French	<b>Issue</b>	6
<b>Country</b>	Canada	<b>Volume</b>	76
<b>Rightsholder</b>	Canadian Science Publishing	<b>URL</b>	http://collection.nlc-bnc.ca/101/201/301/cdn5% fjrn5%Fchem/index.html

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## NEW WORK DETAILS

<b>Title</b>	Pushing the Limits of the Lithium Indicator Carbon Acidity Scale Using Cyclopentadiene Chemistry and 19F NMR Spectrometry	<b>Institution name</b>	Virginia Polytechnic Institute and State University
<b>Instructor name</b>	Paul Deck	<b>Expected presentation date</b>	2022-05-13

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Title, description or numeric reference of the portion(s)	Fig. 1	Title of the article/chapter the portion is from	Extended lithium ion pair indicator scale in tetrahydrofuran
Editor of portion(s)	Streitwieser, Andrew; Wang, Daniel Zerong; Stratakis, Manolis; Facchetti, Antonio; Gareyev, Roustam; Abbotto, Alessandro; Krom, James A; Kilway, Kathleen V	Author of portion(s)	Streitwieser, Andrew; Wang, Daniel Zerong; Stratakis, Manolis; Facchetti, Antonio; Gareyev, Roustam; Abbotto, Alessandro; Krom, James A; Kilway, Kathleen V
Volume of serial or monograph	76	Issue, if republishing an article from a serial	6
Page or page range of portion	765-769	Publication date of portion	1998-06-01

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Author/Editor	CRAM, DONALD J.	Rightsholder	Elsevier Science & Technology Journals
Date	01/01/1965	Publication Type	Book
Language	English		

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Title	Pushing the Limits of the Lithium Indicator Carbon Acidity Scale Using Cyclopentadiene Chemistry and 19F NMR Spectrometry	Institution name	Virginia Polytechnic Institute and State University
Instructor name	Paul Deck	Expected presentation date	2022-05-13

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Editor of portion(s)	N/A	Author of portion(s)	CRAM, DONALD J.
Volume of serial or monograph	N/A	Issue, if republishing an article from a serial	N/A
Page or page range of portion	18	Publication date of portion	1965-01-01

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## Studies of Contact and Solvent-Separated Ion Pairs of Carbanions. I. Effect of Temperature, Counterion, and Solvent



Author: T. E. Hogen- Esch, J. Smid

Publication: Journal of the American Chemical Society

Publisher: American Chemical Society

Date: Jan 1, 1966

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### The Acidities of Some Weak Acids



**Author:** Raymond E. Dessy, Yuzi. Okuzumi, Alan. Chen

**Publication:** Journal of the American Chemical Society

**Publisher:** American Chemical Society

**Date:** Aug 1, 1962

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## Organometallic Electrochemistry. II. Carbanion Stabilities



**Author:** Raymond E. Dessy, William Kitching, Theodore Psarras, et al

**Publication:** Journal of the American Chemical Society

**Publisher:** American Chemical Society

**Date:** Feb 1, 1966

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### Equilibria in Halogen-Lithium Interconversions



**Author:** Douglas E. Applequist, David F. O'Brien

**Publication:** Journal of the American Chemical Society

**Publisher:** American Chemical Society

**Date:** Mar 1, 1963

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### Equilibrium Acidities of Hydrocarbon Acids in Cyclohexylamine1



**Author:** A. Streitwieser, J. I. Brauman, J. H. Hammons, et al

**Publication:** Journal of the American Chemical Society

**Publisher:** American Chemical Society

**Date:** Jan 1, 1965

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### A Further Study of Extremely Weak Acids

Author: W. K. McEwen

Publication: Journal of the American Chemical Society

Publisher: American Chemical Society

Date: Jul 1, 1936

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