

PUBLICATIONS

Refereed Papers, Reviews, Book Chapters, etc.

Papers, book chapters, books and patents published since coming to UW-Eau Claire are highlighted.

1. Sellers, H.L.; Sims, L.B.; Schafer, L.; Lewis, D.E. "Vibrational Analyses Employing Cartesian Coordinates." *J. Mol. Struct.* **1977**, *41*, 149-151.
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71. Lewis, D.E. Primary Documents. 'On the different explanations of certain cases of isomerism' Mr. A. Boutlerow, *Bulletin de la Société Chimique de Paris, Nouvelle Série* **1864**, *1*, 100-128. [Translated by David E. Lewis]" *Bull. Hist. Chem.* **2015**, *40*, 13-28.
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73. Sunstov, V.; Lewis, D.E. "'25. The catalytic decomposition of alkylidenehydrazines as a method for the preparation of hydrocarbons (Abridged),' by N. Kizhner, *Zhurnal Russkago Fiziko-Khimicheskago Obshchestva* **1911**, *43*, 582-595." *Bull. Hist. Chem.* **2015**, *40*(2), 64-68.
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78. Sunstov, V.; Lewis, D. E., "After the Revolution: Nikolai Matveevich Kizhner (1867-1935) in Soviet Moscow." *Bull. Hist. Chem.* **2017**, *42*, 46-56.
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80. Lewis, D.E., "A. Ye. Arbuzov: Father of organophosphorus chemistry in Russia." *Bull. Hist. Chem.*, **2017**, *42*, 112-125.
81. Lewis, D.E. "Yevgenii Konstantonovich Zavoiskii (1907-1976): Overlooked pioneer in magnetic resonance." In Strom, E.T.; Mainz, V.V., Eds. *The posthumous Nobel Prize in Chemistry. Correcting the errors and oversights of the Nobel Prize Committee. ACS Symp. Ser.*, **2017**, *1262*, Ch. 10, pp. 219-241.
82. Lewis, D.E. "High creativity and historical invisibility: The rise of a chemical community in Russia." In Rasmussen, S.C., Ed. *Igniting the Ring of Fire: Historical Evolution of the Chemical Communities in the Countries of the Pacific Rim.* (World Scientific Publishing: Singapore, 2018); Ch. 11, pp. 309-354.

Invited Publications (Editorial review only).

83. Baykoucheva, S. (with Lewis, D.E.) "The Russian Invasion...in Chemistry: Interview with David Lewis." *Chem. Inf. Bull.* **2008**, *60*, 16-19.
84. Lewis, D.E. "Kazan as a cradle of Russian organic chemistry." *Инст. Орг. и Физ. Хим. им А. Е. Арбузова, Ежегодник [Yearbook of the A.E. Arbuzov Institute of Organic and Physical Chemistry]* **2013**, 70-78 [in English].

Name Reaction Bio columns in *Synform*

85. Deiringer, R.K.; Lewis, D.E. "Arthur Michael (1853–1942): The Michael Addition Reaction." *Synform*, **2017/09**, A142–144; DOI: 10.1055/s-0036-1590305.
86. Lewis, D.E. "Independent Discoveries: The Wolff-Kishner Reduction." *Synform*, **2017/12**, A208-A212.
87. Lewis, D.E. "Charles Friedel (1832-1899) and James Mason Crafts (1839-1917): the Friedel-Crafts Alkylation and Acylation Reactions." *Synform* **2018/X**, under review.

BOOKS.

88. Lewis, D.E. *Organic Chemistry: A Modern Perspective* (Wm. C. Brown: Dubuque, **1996**); ISBN 0-697-35091-6; 1104 + xviii pp. [Now out of print]
89. Lewis, D.E. *Organic Synthesis and Mechanism. Applications of Chemistry in Biology and Medicine. The Pedagogy and History of Organic Chemistry. Collected Works 1977-2011*; Thesis for the degree of Doctor of Science in the Faculty of Science in the University of Adelaide; Adelaide, South Australia; 1056 + iii pp.
90. Lewis, D.E. *Early Russian Organic Chemists and Their Legacy*. Rasmussen, S., Ed. *SpringerBriefs in the History of Chemistry* (Springer: Heidelberg, **2012**); 136 pp.; [ISBN 978-3-642-28218-8]. (QD248.5.R8 L49 2012)
91. Lewis, D.E. *Advanced Organic Chemistry* (Oxford University Press: New York, **2016**); 1176 + xiii pp, ISBN 978-0-19-975897-5. (QD271 L485 2016)
92. Lewis, D.E. *Solutions Manual for Advanced Organic Chemistry* (Oxford University Press: New York, **2016**), ISBN 978-0-19-049931-0 [e-book; includes complete powerpoint presentations to accompany the book]
93. Lewis, D.E. *Казанская химическая школа глазами американского историка химии: Сборник трудов Дэвида Э. Льюиса [The Kazan Chemistry School Through the Eyes of an American Historian of Chemistry: Collected Papers by David E. Lewis]*. Shtyrlin, V.G., Ed.; Kononov, A.I., Scientific Ed.; Kazan University Publishing House: Kazan, Tatarstan, Russia; **2016**; 288 pp, [ISBN 978-5-00019-605-2]. Translation from English by Evtugyn, G.A.; Kuramshin, A.I.; Mukhametzhanov, T.A.; Nemtarev, A.V.; Serov, N.Yu.; Shtyrlin, V.G.
94. Lewis, D.E. *The Wolff-Kishner Reduction and Related Reactions. Biographies, Discovery and Development*. Elsevier: Amsterdam, 2018.

UNDER REVIEW

95. Lewis, D.E., "Primary Documents. 'On the question of the mutual influence of atoms in chemical compounds.' V. Morkovnikov *Zhurnal Russkago Fiziko-Khimicheskago Obshchestva*, **1869**, 1, 242-247." *Bull. Hist. Chem.* **2016**, submitted for publication.
96. Lewis, D.E., "Introduction to an English translation of Markovnikov's first paper describing 'Markovnikov's Rule.'" *Bull. Hist. Chem.* **2016**, submitted for publication.
97. Walsh, E.T., III; Davis, A.R.; Lewis, D.E. "Vladimir Markovnikov (1838-1904): Isomerism of compounds and regiochemistry of reactions." *Bull. Hist. Chem.* **2016**, submitted for publication.

U. S. PATENTS.

1. Lewis, D.E.; Utecht, R.E.; Judy, M.M.; Matthews, J.L. "Non-Azo Naphthalimide Dyes." **U.S. Patent No. 5,235,045** [Aug. 10, 1993].
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