

LIVES IN
CHEMISTRY
DIRECTORY
OF NAMES
2021–2025
FIRST
15 VOLUMES



LIVES IN CHEMISTRY — LEBENSWERKE IN DER CHEMIE

Major goals in chemical research often take a long time to achieve. In chemistry, the research process — from the hypothesis to experiments and interpretation — often consists of many rapid steps that proceed more quickly than those in neighboring disciplines. The works in the present series show how such a process can translate into major scientific achievements.

The series is steered by an Advisory Board that has been appointed by the Executive Committee of the History of Chemistry Division of the German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh). The project is sponsored by Dr. Karl Reuter (RCA, Freiburg, Germany). In the first volume of “Lives in Chemistry”, Günther Maier describes how the series was born. Like chemistry, the series is international, and chemistry is broadly defined, thus incorporating many neighboring disciplines.

In science, life and work are often closely interwoven. The series consists of important, contemporary documents that are stimulating, instructive, and entertaining — and as diverse as people can be.

Thanks go to all those who contributed to the realization of this idea.

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Berlin, Winter 2025
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AS ONE OF “THE BEST GERMAN BOOK DESIGNS” IN DESIGN,
CONCEPTION, AND WORKMANSHIP.

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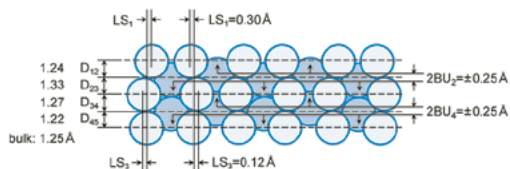
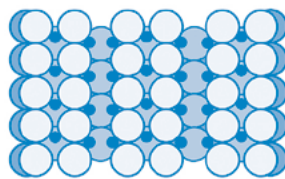


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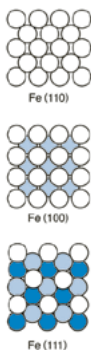
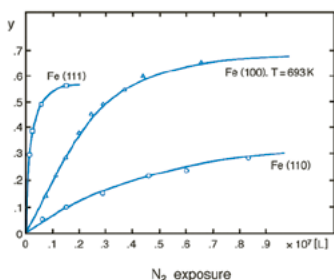
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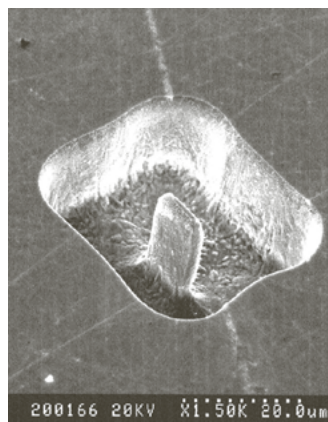
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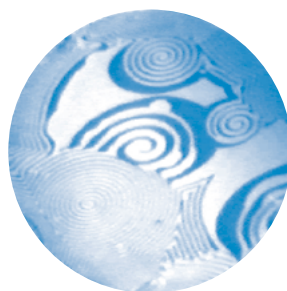




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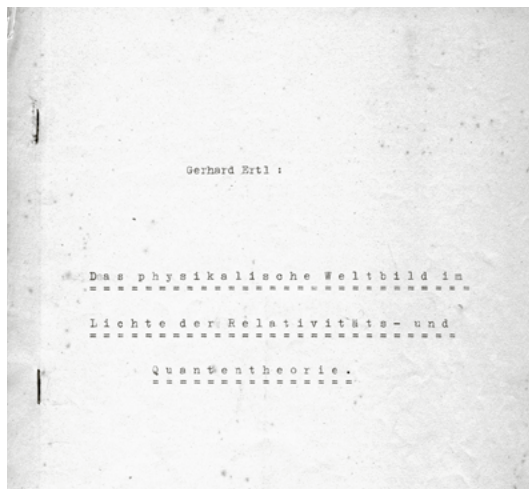
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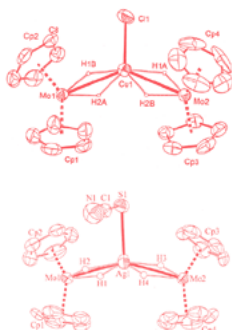
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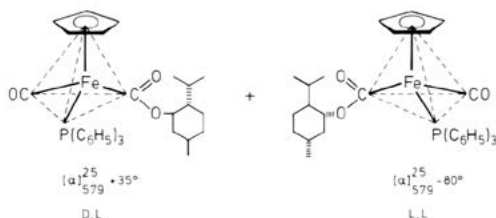
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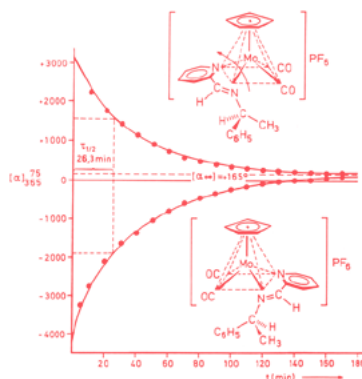
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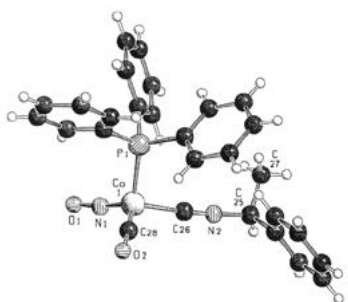


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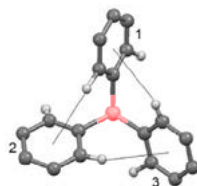
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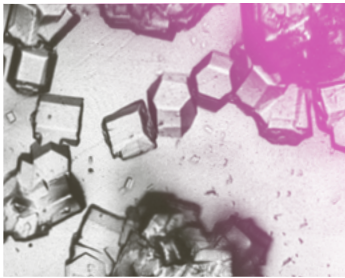
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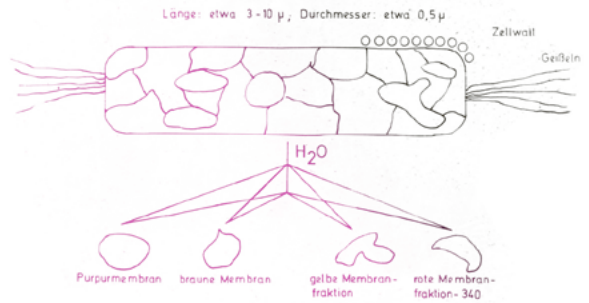


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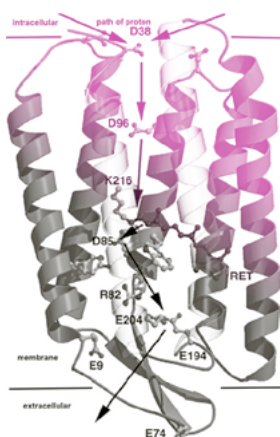
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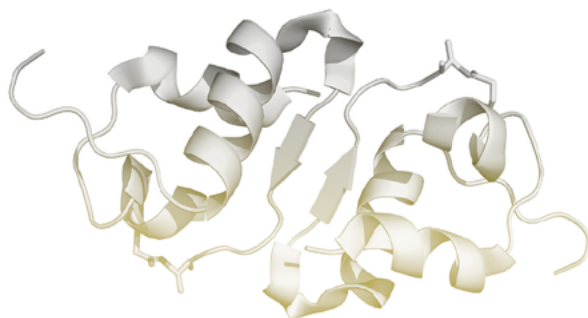
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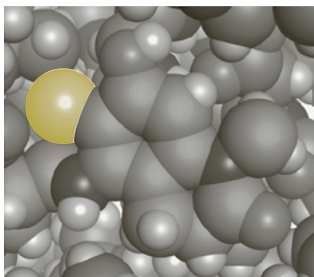


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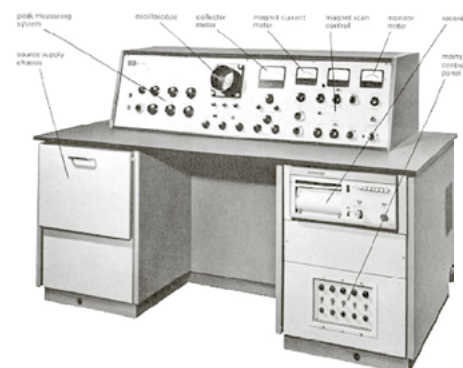


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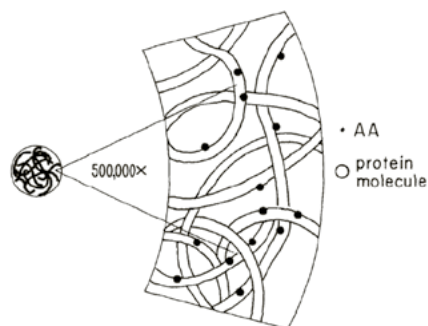
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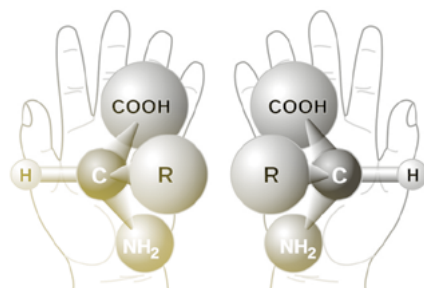
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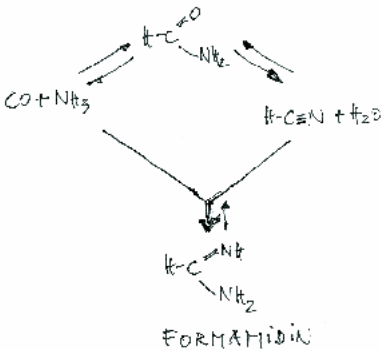
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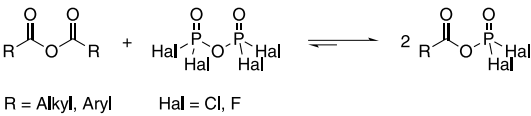
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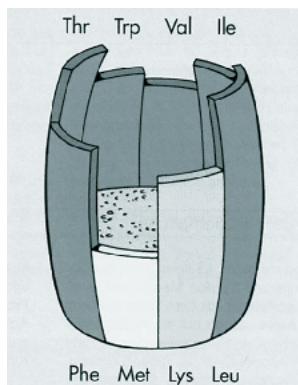


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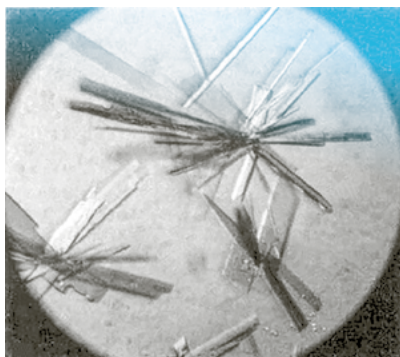
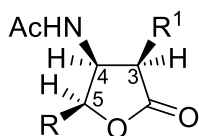
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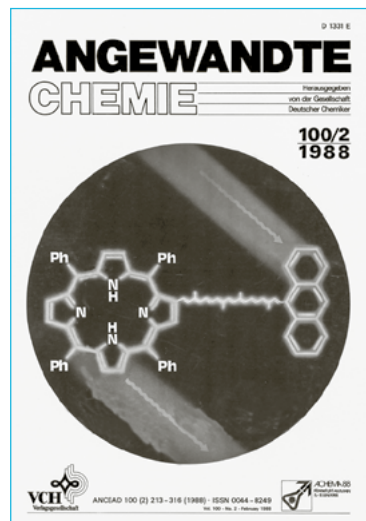
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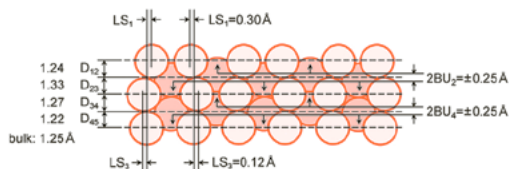
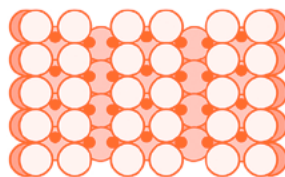


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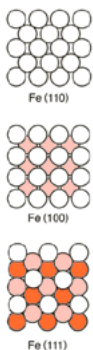
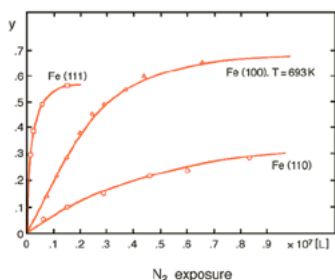
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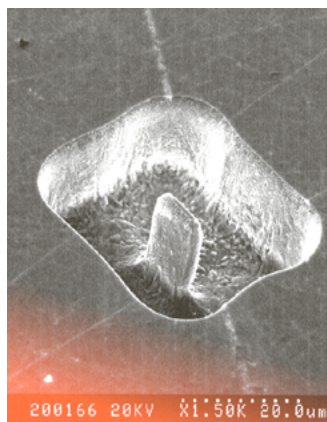
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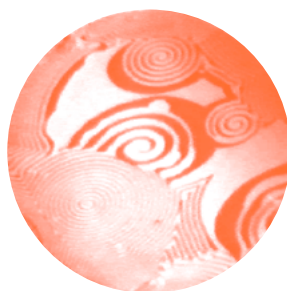
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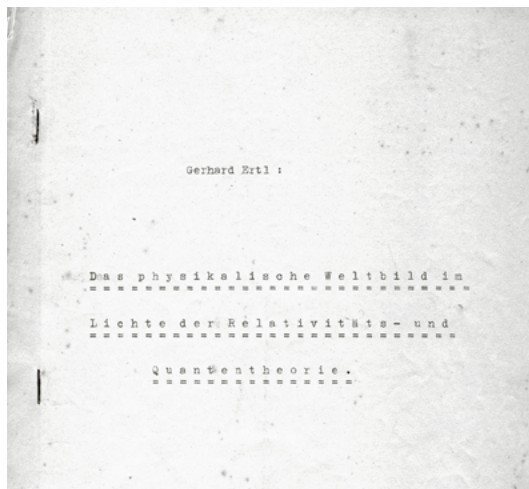
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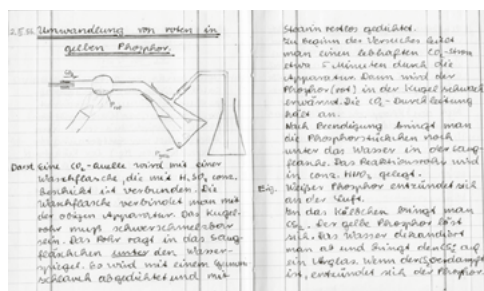


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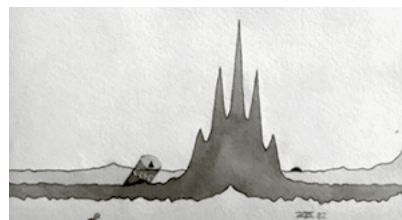
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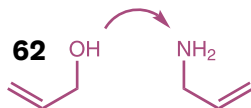
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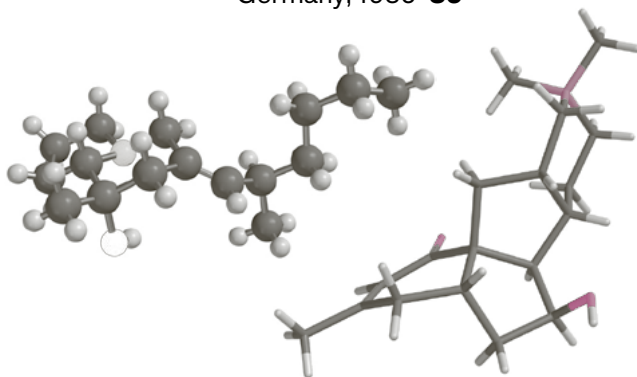
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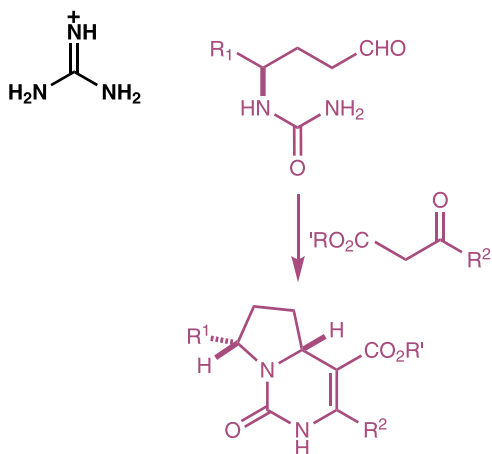
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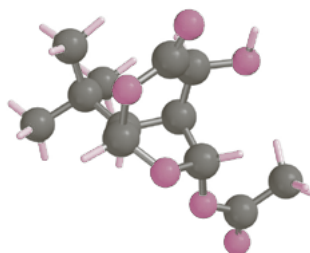
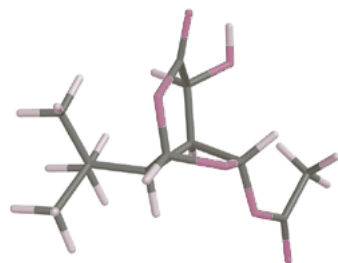
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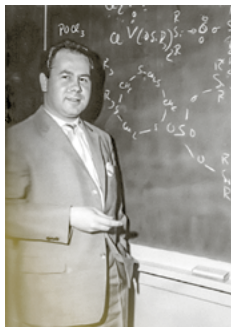
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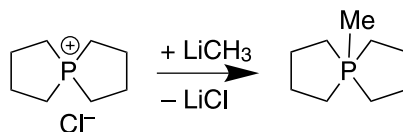
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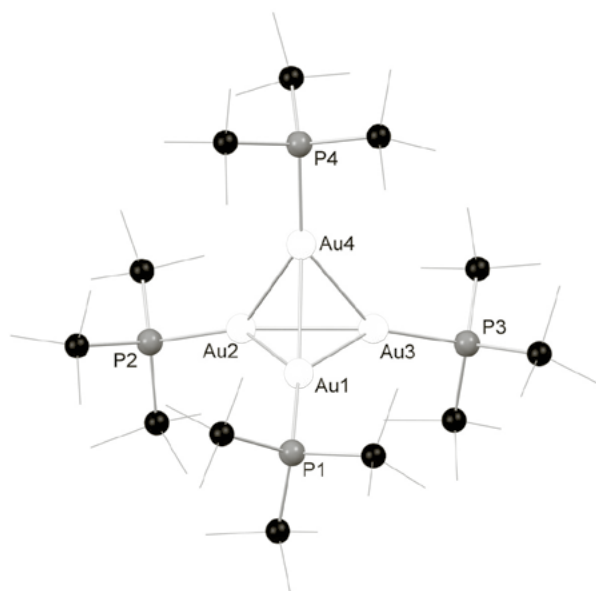


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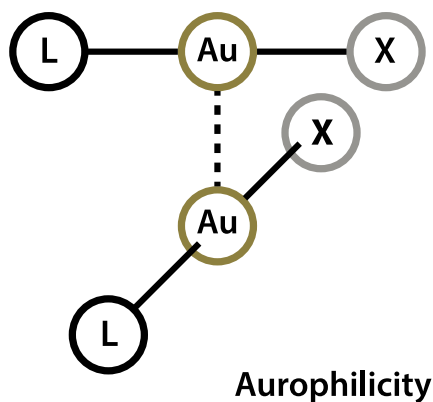
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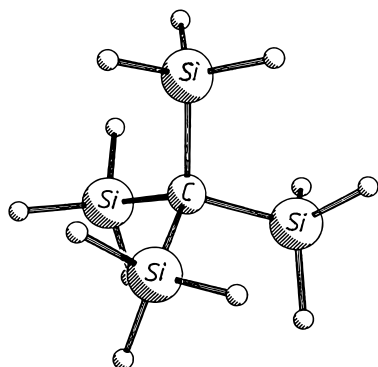
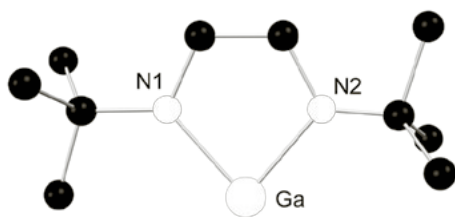
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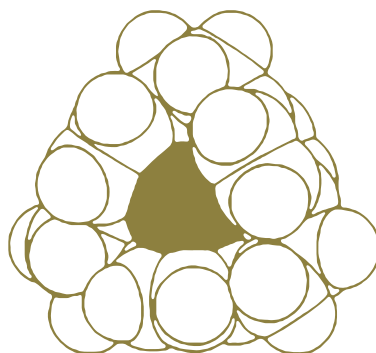
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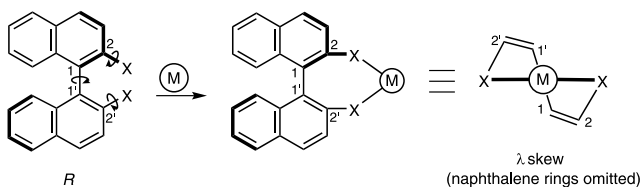




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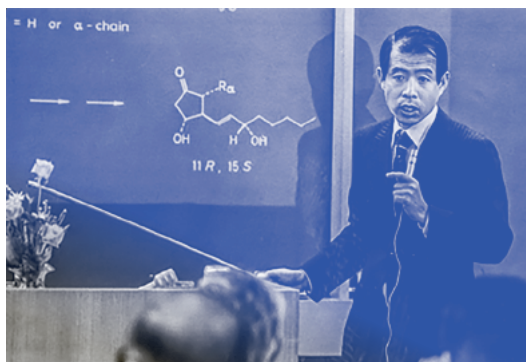
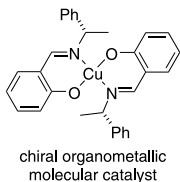
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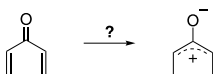
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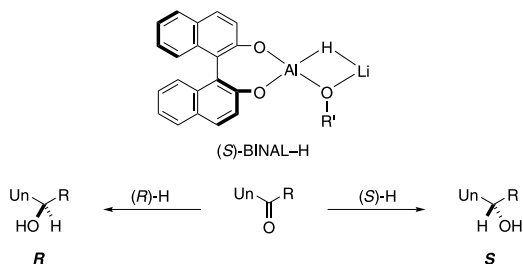
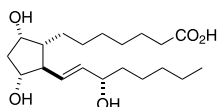
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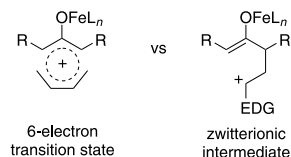
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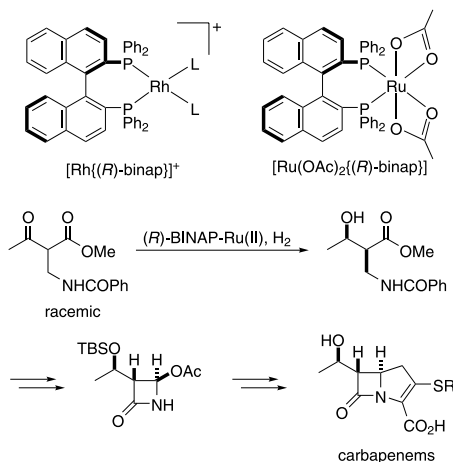


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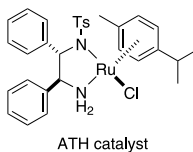
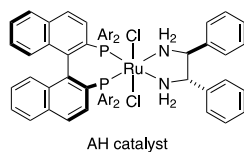
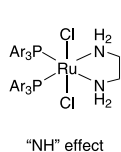
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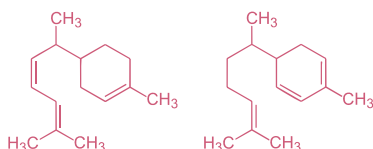
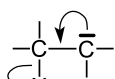


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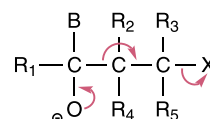


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von

A. Eschenmoser, L. Ruzicka, O. Jeger und D. Arigoni

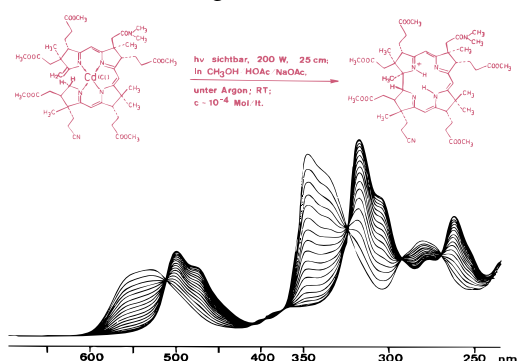
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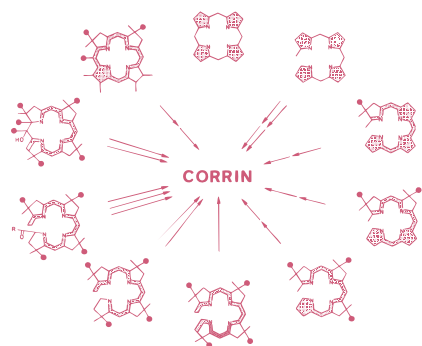
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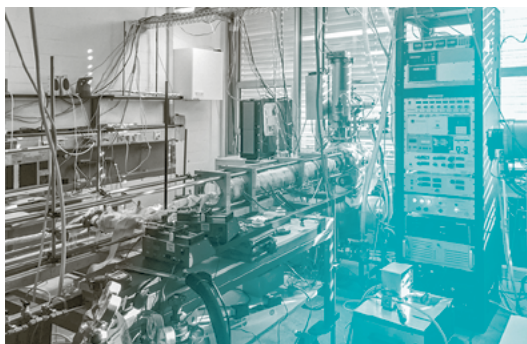
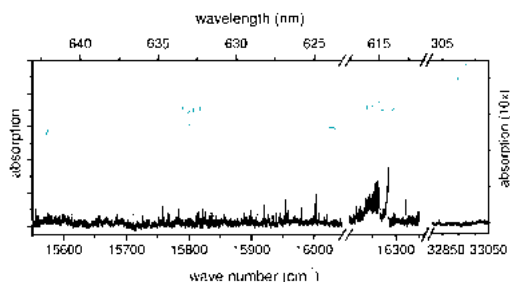
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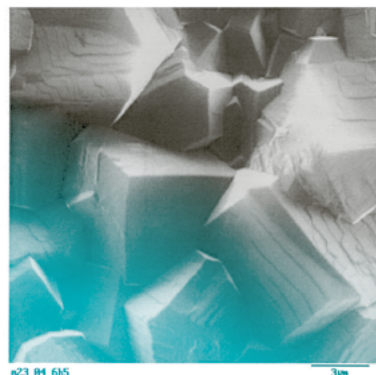
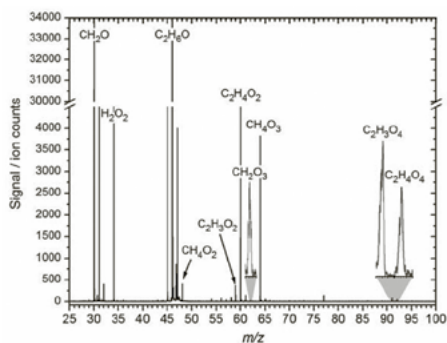
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R2	$\text{C}_2\text{H}_3 + \text{O}_2 = \text{CH}_2\text{CHO} + \text{O}$
R2	$\text{C}_2\text{H}_3 + \text{O}_2 = \text{CH}_2\text{CHO} + \text{O}$
R3	$\text{C}_2\text{H}_2 + \text{O} = \text{HCCO} + \text{H}$
R4	$\text{C}_2\text{H}_2 + \text{O} = \text{CH}_2 + \text{CO}$
R5	$\text{CH}_3 + \text{OH} = \text{CH}_2\text{O} + \text{H}_2$
R6	$\text{CHO} + \text{M} = \text{CO} + \text{H} + \text{M}$
R7	$\text{C}_3\text{H}_8 (+\text{M}) = \text{C}_2\text{H}_5 + \text{CH}_3 (+\text{M})$
R8	$\text{CH}_3\text{OCH}_3 (+\text{M}) = \text{CH}_3 + \text{CH}_3\text{O} (+\text{M})$
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R10	$\text{C}_3\text{H}_3 + \text{C}_3\text{H}_3 = \text{C}_6\text{H}_6$
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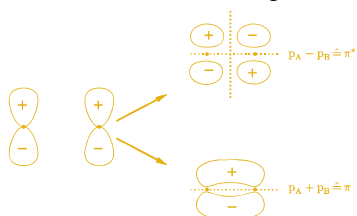
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Miss Sigrid Peyerimhoff
Institut für Theoretische Physik
der Justus Liebig-Universität
Gießen, Germany

Dear Miss Peyerimhoff,

Thank you for your letter of July 12. I have discussed it with Professor Roothaan and we have agreed that we can find a place for you in the Laboratory. An official invitation from Professor Mark G. Inghram, Chairman of the Department of Physics, will be sent to you within a short time.

At what time would you expect to come? We would recommend that you get a room at the International House, and have asked that they send you the necessary application forms. They should also reach you very soon. I hope that this arrangement will meet with your approval.

With best wishes,

Sincerely,

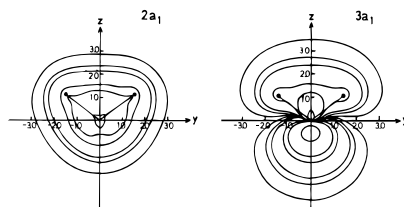
Robert S. Mulliken

RSM:esl

cc: Professor Mark G. Inghram
Professor C. C. J. Roothaan

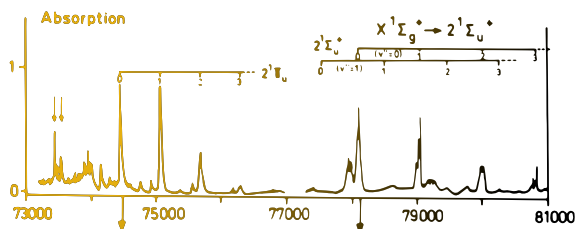
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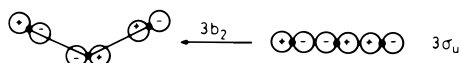
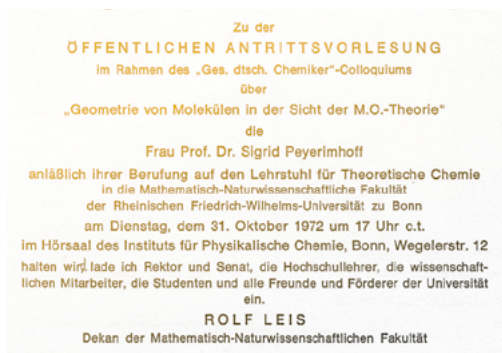
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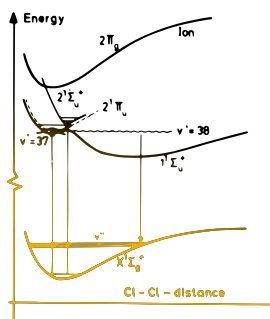
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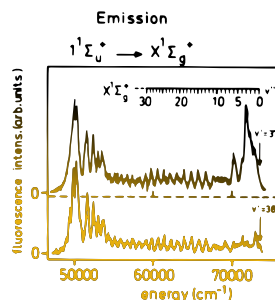
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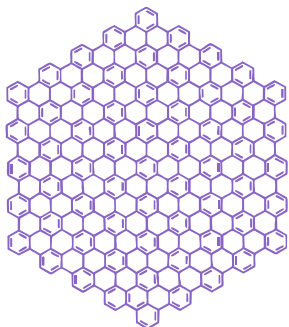
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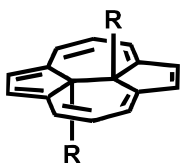
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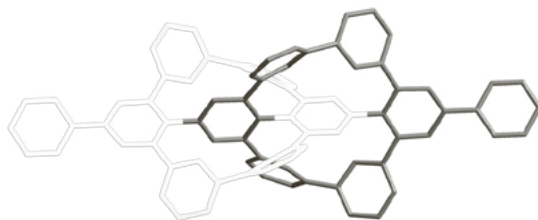


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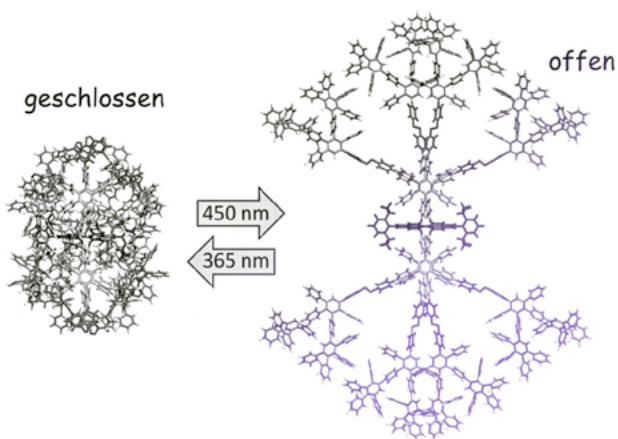
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 $R = C_{12}H_{25}$

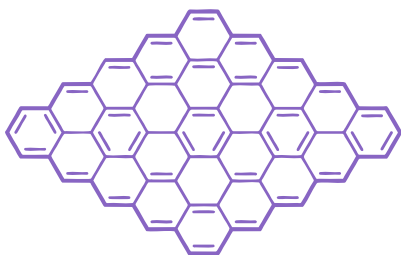
 $R_1 = -(CH_2)_{11}-O-C(=O)-C_6H_2-C(=O)-C_6H_4-$



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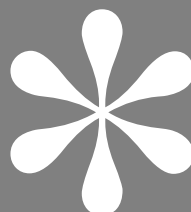


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REACTIONS
THE SERIES



Reactions from our readers

These books are most impressive: From the material of the cover to the typographical detail each of the autobiographies is a true marvel that do not only appeal to the expert readers.

Silvia Werfel, Leipzig, in *bindereport*



The **Maier** book came. It feels good in the hand, and falls open to read, The typography, color, and space are beautifully done, and the coordination of the elements visible on every point. Chemical formulas are very legible and appropriate in contrast. Congratulations to Andreas Töpfer for a beautiful design job.

Roald Hoffmann, Ithaca, USA

The autobiography of Gerhard **Ertl** is a page-turner; it makes excellent reading for everybody interested in the history of science and certainly for those who want to know more about this Nobel Laureate.

Melanie Schnell, Kiel, in *Angewandte Chemie*

It's a delight to read Henri **Brunner**'s autobiography. I had only briefly met him before, and this book gives me deep insight into his achievements and personality. Furthermore I learned a lot about the chemistry departments of the famous Munich universities, thrilling.

Sonja Herres-Pawlis, Aachen, in an e-mail to Eva E. Wille, Weinheim

Dieter **Oesterhelt** had discovered early in his career something fundamentally new: Bacteriorhodopsin (BR) that allows bacteria to use sunlight for energy conversion. BR plays a central role in Oesterhelt's autobiography that is part of the wonderful series "Lives in Chemistry"; this autobiography is presented in interview form with Mathias Grote as interviewer.

Ferdinand Hucho, Berlin, in *BIOspektrum*

Steve **Kent**'s autobiography provides an insight into the achievements of this protein chemistry hero and it unveils his motivation for a lifelong "search for truth". The writing is vivid and lucid, the book is a wonderful addition to the bibliophilic designed series "Lives in Chemistry".

Ferdinand Hucho, Berlin, in *BIOspektrum*

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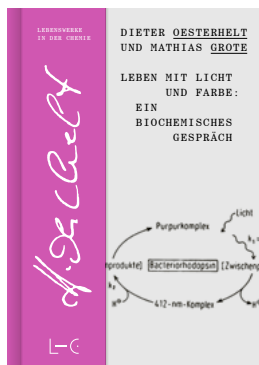
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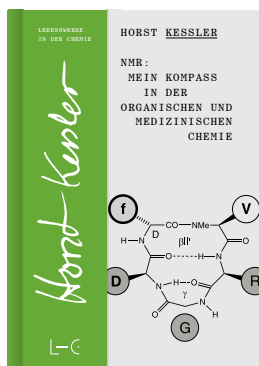
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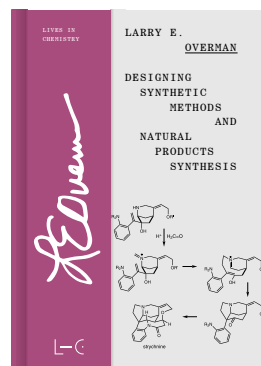
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Dieter Jahn, Hamburg, in *Nachr. Chem.*

Conveying specialized knowledge to non-specialists is a balancing act between precision and comprehensibility, and *Horst Kessler* has mastered this perfectly. The book is a recommended reading for everyone interested in chemical research in the broadest sense. It has great potential to inspire current and future generations of scientists to pursue bold and independent research.

Thorsten Berg, Leipzig, in *Nachr. Chem.*

This remarkable autobiography serves as a prime example that progress in the chemical and biochemical sciences can only be made if one applies new methodological developments to relevant problems. *Horst Kessler's* autobiography is recommended for PhD students as well as for all organic and medicinal chemists and biochemists. For the chemical science community this is a book filled with a wealth of information from the period when chemistry and biochemistry reconverged.

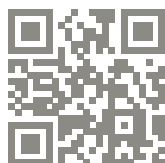
Martin Engelhard, Dortmund, in *BIOspektrum*

Larry Overman's autobiography is a must-read for its timeless insights on building and leading a research group. This book is both inspiring and highly relevant for contemporary professionals.

Vera Koester in *ChemistryViews*

The *Katharina Kohse-Höinghaus* book is a great biography that is a real pleasure to read and can be highly recommended to all aspiring female – but not only female – scientists.

Stefanie Dehnen, Karlsruhe, in her *first reader reaction*

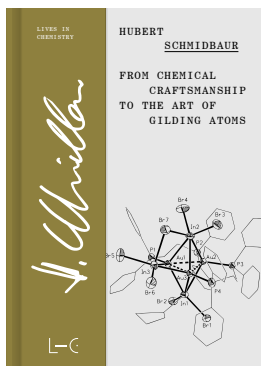


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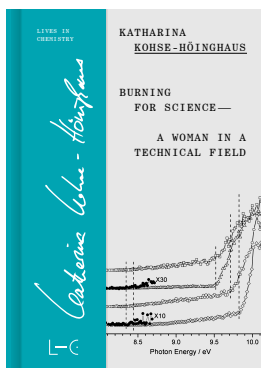
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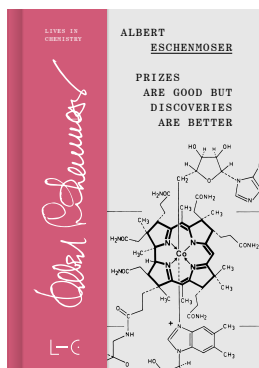
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