

B_FU_OR_RN I S N C G I E N C E

This autobiography is part of the “Lives in Chemistry” (LiC) series

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Reaction:

R1 CH₃OOCH + O₂ = CH₃OOH + CH₂
R2 CH₃OOH + O₂ = CH₃OO + O
R3 CH₃OO + O = KCO₂ + H
R4 CH₃OO + O = CO₂ + H
R5 CH₃OO + O = CH₂ + H
R6 CH₃OO + O = CO + H
R7 CH₃OO + O = CH₃ + H
R8 CH₃OOH (+M) = CH₃ + CH₂O (+M)
R9 CH₃OOH + O₂ = CH₃OO + H₂O (+M)
R10 HOCH₂ + O₂ = CH₃ + H₂O (+M)
R11 HOCH₂ (+M) = CO + H₂ (+M)

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First reader reactions:

“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*

“The personal journey of a trail-blazing female scientist. Engrossing, thought-provoking, informed. Highly recommended.

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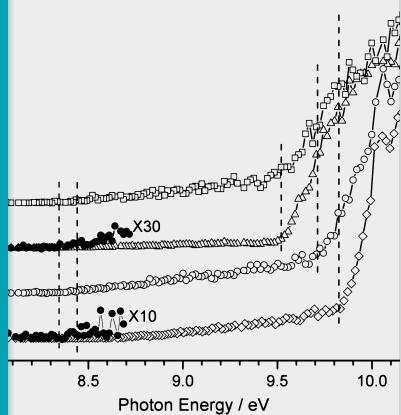
“I think Katharina truly sets a role model not only for women in STEM but also for all of us as teachers and mentors. I am so proud, honored, and privileged for having opportunities to learn from her in person.

Yiguang Ju *Princeton*

KATHARINA KOHSE-HÖINGHAUS

BURNING FOR SCIENCE —

A WOMAN IN A TECHNICAL FIELD



KATHARINA KOHSE-HÖINGHAUS was born in Germany's industrial Ruhr area in 1951. Science fascinated her early on—this never changed and propelled her life into a stellar academic career. After studying chemistry, she cut her own path from atmospheric chemistry to combustion science. Constantly she created new trails between physics, chemistry, materials science, and engineering to explore combustion, pollutant emissions, and new analytical techniques. Challenges like a dual-career family and raising funds for cross-border science led to many out-of-the-box initiatives, including science education for kids and students. Katharina is famous for never running out of fuel: She became the first female President of the International Combustion Society and of Germany's Bunsen Society, served on numerous boards and received many awards. Her trailblazing life for women in STEM worldwide is remarkable and her engaging story will be enjoyed by all!



THIS SERIES OF AUTOBIOGRAPHIES PROVIDES INSIGHTS INTO THE LIVES AND THOUGHTS OF OUTSTANDING RESEARCH SCIENTISTS IN THE CONTEXT OF THE TIMES THEY LIVED IN. WHAT ROLE DOES THE CONTINUOUS SEQUENCE OF HYPOTHESIS, EXPERIMENT, AND INTERPRETATION PLAY IN TOP CHEMICAL RESEARCH? WHAT IS THE ROLE OF IMPULSES FROM MENTORS, STUDENTS, COLLEAGUES, AND COMPETITORS? SUCCESSFUL SCIENTISTS DESCRIBE AUTHENTICALLY AND IN A VERY PERSONAL WAY HOW INNOVATION IS CREATED.

LIVES IN CHEMISTRY
KATHARINA KOHSE-HÖINGHAUS
BURNING FOR SCIENCE

Katharina Kohse-Höinghaus

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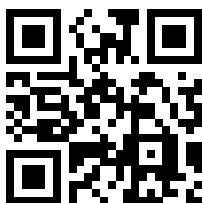
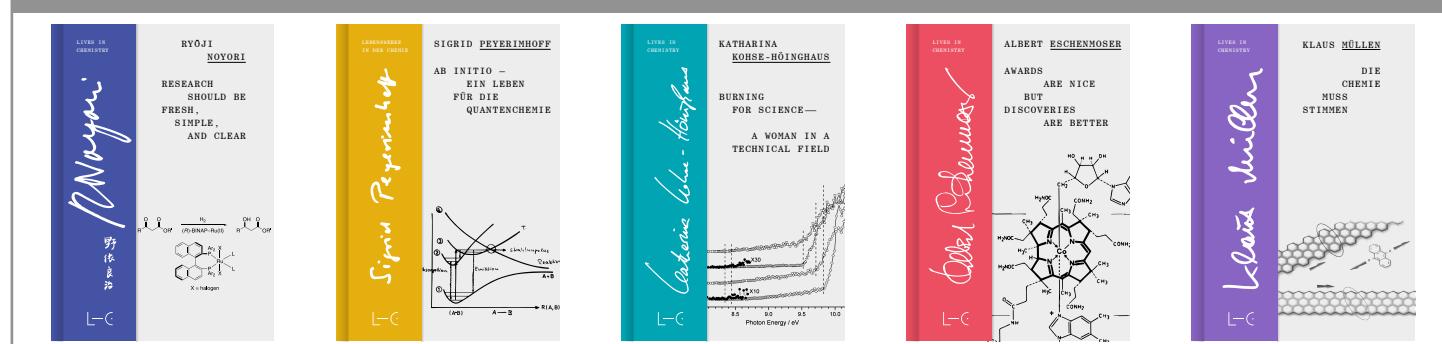
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