

Liste der Veröffentlichungen und Vorträge

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Ehrungen:

Arnold-Eucken-Preis der GVC 1982
Rossini Lecture Award, Warschau 2008

Ehrenämter:

Editorial Board: 1) Fluid Phase Equilibria
 2) The International Electronic Journal of Physico-Chemical Data
 3) J. Chem. Eng. Data
 4) Ind. Eng. Chem. Research (ab 1.1.2004)

Gutachter: 1) National Science Foundation
 2) Deutsche Forschungsgemeinschaft
 3) Forschungsgemeinschaft der Tschechischen Republik
 4) Forschungsgemeinschaft der Slowenischen Republik

5) Fachzeitschriften

- a) Ind.Eng.Chem. Research
- b) J.Chem.Eng.Data
- c) Fluid Phase Equilibria
- d) AIChE Journal
- e) Cryogenics
- f) Can. J. Chem. Eng.
- g) Berichte der Bunsengesellschaft
- h) Thermochemica Acta
- i) Chem.-Ing.-Tech.
- j)

Berufenes Mitglied:

- a) GVC-Fachausschuss "Thermische Zerlegung von Gas- und Flüssigkeitsgemischen"
- b) GVC-Fachausschuss "Thermodynamik"
- c) DECHEMA-Fachausschuss "Ingenieurdaten"

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a) Fachbücher

- 1) J. Gmehling, U. Onken
Vapor-Liquid Equilibrium Data Collection, Bd. 1, Bd. 2a
DECHEMA Chemistry Data Series, Frankfurt 1977-1978
- 2) J. Gmehling, U. Onken, W. Arlt
Vapor-Liquid Equilibrium Data Collection, Bd. 2b ff., 8 Bände
DECHEMA Chemistry Data Series, Frankfurt ab 1978
- 3) J. Gmehling, U. Onken, P.Grenzheuser, B. Kolbe, U. Weidlich
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- 4) Aa. Fredenslund, J. Gmehling, P. Rasmussen
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Elsevier, Amsterdam 1977
- 5) Aa. Fredenslund, J. Gmehling, P. Rasmussen:
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Chemical Industry Publication. Peking (1982)
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Krausskopf-Verlag, Mainz 1980
- 7) C. Christensen, J. Gmehling, P. Rasmussen, U. Weidlich
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- 8) D.Tiegs, J.Gmehling, A.Medina, M.Soaes, J.Bastos, P.Alessi, I.Kikic
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- 9) J. Gmehling, B. Kolbe
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Kagaku Kogyosha, Tokio 1993
- 11) J. Gmehling, U. Onken, J. Rarey-Nies
Vapor-Liquid Equilibrium Data Collection, Bd. 1b, 2e, 2f, 3a, 3b, 4a
DECHEMA Chemistry Data Series, Frankfurt ab 1988
- 12) J. Gmehling, T.Holderbaum
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- 13) J. Gmehling (Editor)
Software Development in Chemistry 5
Proceedings of the Workshop " Computers in Chemistry", Oldenburg
Springer-Verlag, Berlin 1991
- 14) J. Gmehling, B. Kolbe
Thermodynamik, 2. Auflage
VCH-Verlag, Weinheim 1992
- 15) J. Gmehling, J. Menke, J. Krafczyk, K. Fischer
Azeotropic Data, 2 parts
VCH-Verlag, Weinheim 1994
- 16) J. Gmehling, J. Menke, M. Schiller
Activity Coefficients at Infinite Dilution, Supplement 3+4
DECHEMA Chemistry Data Series, Frankfurt 1994
- 17) J. Gmehling, A. Brehm
Lehrbuch der Technischen Chemie – Grundoperationen
Thieme-Verlag, Stuttgart 1996
- 18) J. Gmehling, U. Onken
Vapor-Liquid Equilibrium Data Collection, Bd. 6d, 6e, 7a, 7b, 8a, 5a, 5b, 1c, 1d, 3c
DECHEMA Chemistry Data Series, Frankfurt ab 1999
- 19) J. Gmehling, J. Menke, J. Krafczyk, K. Fischer
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- 20) J. Gmehling, M. Kleiber, S. Steinigeweg
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Kapitel 3 „Thermische Verfahrenstechnik“, S. 307-452
Herausgeber: R. Dittmeyer, W. Keim, G. Kreysa, A. Oberholz
Wiley-VCH, Weinheim 2004
- 21) M. Baerns, A. Behr, A. Brehm, J. Gmehling, H. Hofmann, U. Onken, A. Renken
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- 22) J. Gmehling, J. Menke
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- 23) J. Gmehling, U. Onken
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- 24) J. Gmehling, J. Menke
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- 25) J. Gmehling, U. Onken
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b) Fachzeitschriften

- 1) H.J. Haupt, F. Huber, J. Gmehling
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Z. anorg. allg. Chem. 390, 31 (1972)
- 2) J. Gmehling, F. Huber
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- 4) U. Onken, J. Gmehling
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- 5) Aa. Fredenslund, J. Gmehling, M.L. Michelsen, P. Rasmussen, J.M. Prausnitz
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- 30) P. Grenzheuser, B. Kolbe, U. Weidlich, J. Gmehling
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- 31) B. Kolbe, P. Grenzheuser, U. Weidlich, J. Gmehling
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- 32) J. Gmehling, P. Grenzheuser, B. Kolbe, U. Weidlich
IV Berechnung von Dampf-Flüssig-Gleichgewichten von binären und
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VI Berechnung von Flüssig-Flüssig-Gleichgewichten
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- 35) J. Gmehling, P. Grenzheuser, B. Kolbe, U. Weidlich
VII Abschätzung der Löslichkeit von Feststoffen in Lösungsmitteln
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