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CURRICULUM VITAE
PROF. BRUNO MARONGIU

Dati personali	Nato ad Arzana (Nu), Italy, il 01 agosto 1946 Residente a in via Dei Grilli 10, Cagliari, Italy Tel: +39-0706754412 Fax: +39-0706754388 e-mail: maronb@unica.it
Situazione attuale	<ul style="list-style-type: none">• Professore Associato a tempo pieno nel settore disciplinare CHIM/02 - Chimica Fisica presso la Facoltà di Scienze MFN dell'Università degli studi di Cagliari.• Docente di Chimica Fisica I per il corso di Studi in Chimica dall'A.A. 1983. a tutt'oggi• Docente di Fluidi Supercritici nella laurea specialistica in Scienze Chimiche dal 2004 a tutt'oggi.• Docente di Tecnologie estrattive ed analitiche nella laurea specialistica in Biologia sperimentale ed applicata dal 2004 a tutt'oggi
Laurea	Laureato in Chimica presso l'Università di Cagliari nel 1970.
Abilitazione	Abilitazione all'esercizio della professione di Chimico conseguita a Cagliari nel 1971.
Associazioni Professionali	<ul style="list-style-type: none">• SCI - Società Chimica Italiana Divisione di Chimica Fisica; Divisione di Chimica Analitica; Gruppo interdivisionale di Calorimetria ed Analisi Termica.• AICAT - Associazione Italiana di Calorimetria ed Analisi Termica.- Tesoriere per i trienni 2002-2004 e 2005-2007<ul style="list-style-type: none">- Presidente per il triennio 2008-2010- Presidente per il triennio 2011 -2013• ISASF - International Society for the Advancement of Supercritical Fluids
Titoli	Borse RAS, CNR per soggiorni all'estero: <ul style="list-style-type: none">• CNRS di Marsiglia (1974; 1980);• CNRS di Parigi (1986; 1988)
Lingue straniere	Inglese, Francese
Attività scientifica	Campi di ricerca: <ul style="list-style-type: none">• Cinetica e catalisi di reazioni di idrodealchilazione• Termodinamica delle miscele organiche e idroorganiche

	<ul style="list-style-type: none"> • Tecnologie con fluidi supercritici • Co-autore di 150 pubblicazioni su riviste internazionali • Co-autore di 70 comunicazioni a congressi nazionali o internazionali • Relatore di 22 tesi di laurea in Chimica e di 10 tesi di laurea in Scienze Biologiche e Farmacia • Supervisore di tre dottori di ricerca di cui uno in cotutela con l'Università di Parigi • Chairman del I Workshop on Thermodynamics of Organic Mixtures (Chia Laguna, 1991) • Chairman delle Giornate Mediterranee di Calorimetria ed Analisi Termica, GMEDCAT-95, (Chia Laguna, 1995) • Chairman della I Scuola Nazionale sui Fluidi Supercritici (Chia Laguna, 1998) • Organizing Committee Chair del 13 International Congress on Thermal Analysis and Calorimetry, ICTAC-13, (Chia Laguna, 2004) • Membro del Comitato scientifico del XX Congresso Nazionale di Chimica Fisica (Chia Laguna, 1991) • Membro del comitato tecnico scientifico di tre corsi IFTS negli anni 2005, 2006 e 2007. • Presidente del corso di laurea in Chimica dal 2002 al 2005 • Tesoriere dell'AICAT, Associazione Italiana di Calorimetria ed Analisi Termica dal 2002 al 2007 • Presidente dell'AICAT, Associazione Italiana di Calorimetrie ed Analisi Termica per i trienni 2008-2010; 2011-2013..
Conferenze ad invito	<ul style="list-style-type: none"> • Thermodynamic properties of liquid mixtures by contribution methods (AICAT, Catania 1982) • DISQUAC model. Limits and Applications ((JMedCat, Corte, 1993)
Consulenze	<ul style="list-style-type: none"> • Consorzio 21 (Porto Conte Ricerche, 2001, 2002)
Attività di revisore	<ul style="list-style-type: none"> • J. Chem. Eng. Data • Fluid Phase Equilibria • Thermochimica Acta • J. Thermal Analysis and Calorimetry • Chemical Eng. Res.Design • Biochem. Eng. J. • J. Food Biochem. • Flavor & Fragrance Journal
Membro di Editorial Board	<ul style="list-style-type: none"> • J. Thermal Analysis and Calorimetry • J. Essential Oil Bearing Plants
Contratti di ricerca	<ul style="list-style-type: none"> • PRIN (Miur ex-40%); Miur ex-60% ; CNR; • Interreg; PON
Collaborazioni scientifiche con istituzioni italiane o straniere	<ul style="list-style-type: none"> • CNRS Parigi; Università Zaragoza; Università Lione;Università di Corte; Università di Coimbra; Università di Tunisi • Università Salerno; Università di Pisa; Università di Palermo; • Università di Bari
Attività didattica	
A.A. 1971/72	Coadiutore alle Esercitazioni di Chimica

A.A. 1972/73-1973/74	Assistente incaricato di Chimica Fisica II
A.A. 1974/75-1985/86	Assistente di ruolo di Chimica Fisica II
A.A. 1973/74-1974/75	Prof. Incaricato di Chimica Fisica Industriale
A.A. 1975/76-1976/77	Prof. Incaricato di Esercitazioni di Chimica Industriale
A.A. 1976/77-1985/86	Prof. Incaricato di Impianti Chimici Industriali I
A.A. 1986/87-1996/97	Prof. Associato di Termodinamica Chimica
A.A. 1997/-	Prof. Associato di Chimica Fisica I
A.A. 1986/87	Modulo Esercitazioni Chimica Fisica I
A.A. 1998/99 -	Modulo Chimica Fisica per Scienze Geologiche
A.A. 1995/1996-	Docente nel corso di Dottorato in Scienze Chimiche
A.A. 1996/1997-	Docente nel corso di perfezionamento in "Tecnologie Chimiche di Processo"
A.A.2003/2004-	Docente nel master “”valorizzazione qualitativa dei prodotti agroalimentari”
A.A. 2005/2006-	Docente della scuola di Dottorato in Chimica
A.A. 2006-2007	Docente del corso IFTS “Tecnico superiore per la trasformazione e la commercializzazione delle piante officinali

ELENCO PUBBLICAZIONI DEL PROF. BRUNO MARONGIU

001. Marongiu, B., Kehiaian, H.V., 1974.
Excess enthalpies of some aldehydes (C₃, C₄) + n-heptane or cyclohexane or benzene binary mixtures.
Int. DATA Ser., Ser A, Sel. Data Mixtures, 1: 58 - 62.
002. Marongiu, B., Bros, H., Coten, M., Kehiaian, H.V., 1975.
Enthalpies de melange des aldehydes aliphatiques avec les hydrocarbures.
J. Chim. Phys., 72: 375 - 378.
003. Beltrame, P., Marongiu, B., Solinas, V., Torrazza, S., Forni, L., Mori, S., 1975.
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Ind. Eng. Chem. Proc. Des. Dev., 14: 117 - 121.
004. Beltrame, P., Cavalli, L., Landone, A., Marongiu, B., Solinas, V., Torrazza, S., 1976.
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005. Marongiu, B., Solinas, V., Torrazza, S., 1976.
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Rend. Sem. Fac. SMFN, Università di Cagliari, 5 - 12.
006. Ferino, I., Marongiu, B., Mura, L., Solinas, V., Torrazza, S., 1977.
Confronto di attività di catalizzatori per la dealchilazione del toluene.
Rend. Sem. Fac. SMFN, Università di Cagliari, XLVII: 235 - 253.
007. Beltrame, P., Carniti, P., Marongiu, B., Mura, L., Solinas, V., 1979.
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Ind. Eng. Chem. Proc. Des. Dev., 18: 338 - 342.
008. Ferino, I., Marongiu, B., Saba, G., Torrazza, S., 1979.
Autoassociation of aliphatic aldehydes and ketones in non polar solvents.
Rend. Sem. Fac. SMFN, Università di Cagliari, XLIX: 367 - 380.
009. Ferino, I., Marongiu, B., Torrazza, S., 1979.
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Int. DATA Ser., Ser.A, Sel. Data Mixtures, 1: 64 - 66.
010. Beltrame, P., Ferino, I., Forni, L., Marongiu, B., Torrazza, S., 1980.
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La Chimica e L'Industria, 62: 401 - 403.
011. Ferino, I., Marongiu, B., Forni, L., Torrazza, S., 1980.
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012. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1980.
Utilizzazione di una funzione di decadimento per lo studio cinetico della dealchilazione catalitica del toluene.
Rend. Sem. Fac. SMFN, Università di Cagliari, L: 435 - 442.

013. Marongiu, B., Cristiani, F., Ferino, I., 1980.
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Int. DATA Series, Ser. A, Sel. Data Mixtures, 2: 100 - 103.
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Ind. Eng. Chem. Proc. Des. Dev., 20: 379 - 384.
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Int. DATA Ser., Ser.A, Sel. Data Mixtures, 1: 39 - 42.
017. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1981.
Excess enthalpies of some N,N-diethylmethylamine or N,N-dipropylmethyl-amine + normal alkane (C₆ - C₁₆) mixtures.
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018. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1982.
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Thermodynamic of binary mixtures containing tertiary amines. I. Excess enthalpies of some N,N-dialkylmethylamine + normal alkane mixtures. Measurement and analysis in terms of groups contributions. Estimation of excess Gibbs energies.
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020. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., Kehiaian, H. V. 1982. *Thermodynamics of binary mixtures containing tertiary amines. II. Excess enthalpies of some N,N-dialkylmethylamine + benzene mixtures. Measurement and analysis in terms of group contributions. Estimation of excess Gibbs energies.*
Fluid Phase Equilib., 9: 213 - 223.
021. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1982.
Excess enthalpies of some aromatic aldehydes in n-hexane, n-heptane and benzene.
Thermochimica Acta, 57: 147 - 154.
022. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1982.
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023. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., Kehiaian, H. V. 1983.
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024. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1983.
Excess enthalpies of normal alkanal (C₂ – C₅) + some n-alkanes (C₇ – C₁₆) mixtures.
Int. DATA Ser., Ser. A, Sel. Data Mixtures, 1: 1 - 15.
025. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., Kehiaian, H. V. 1983.
Thermodynamic properties of binary mixtures containing aldehydes. I. Excess enthalpies of some n-alkanal + n-alkane mixtures. Measurements and analysis in term of a quasi-chemical group contribution model and estimation of excess Gibbs energies.
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Thermodynamic properties of liquid mixtures by contribution methods.
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Thermochimica Acta, 65: 157 - 168.
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Thermodynamic properties of aqueous non-electrolyte mixtures. Excess enthalpies of water + cyclic ether mixtures at 298.15 K.
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Thermodynamic properties of aqueous non-electrolyte mixtures. II. Excess enthalpies and liquid-liquid equilibrium of 2-alkanone + water mixtures.
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032. Solinas, V., Monaci, R., Marongiu, B., Forni, L., 1984.
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Appl. Catalysis, 9: 109 - 117.
033. Beltrame, P., Casalone, G., Forni, L., Ferino, I., Marongiu, B., Torrazza, S., 1984.
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034. Ferino, I., Marongiu, B., Torrazza, S., 1984.
Rh on chromia-alumina catalysts for toluene steam - dealkylation: characteristics and catalytic behaviour.
Appl. Catalysis, 10: 125 – 135.
035. Burlamacchi, L., Ferino, I., Marongiu, B., Torrazza, S., 1984.

Diffusion of Rh and Ir with chromia defective lattice. An ESR investigation.
Journal Physical Chemistry, 88: 3563 - 3566.

036. Marongiu, B., 1984.
Excess enthalpies of n-alkanal (C₂ – C₅) + cyclohexane binary mixtures.
Int. DATA Series, Sel. Data Mixtures, Ser. A, 208 - 211.
037. Marongiu, B., Ferino, I., Monaci, R., Solinas, V., Torrazza, S., 1984.
Thermodynamic properties of aqueous non-electrolyte mixtures. Alkanols + water mixtures.
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038. Marongiu, B., Ferino, I., Solinas, V., Torrazza, S., Kehiaian, H. V. 1984.
Calorimetric study of molecular interactions in mixtures of substances containing carbonyl and dialkylamino groups.
Journal Thermal Analysis, 29: 711 - 717.
039. Kehiaian, H. V., Marongiu, B., 1985.
Thermodynamic properties of binary mixtures containing aldehydes. III. Excess enthalpies of some alkanal + cyclohexane mixtures: measurement and analysis in terms of an extended quasi-chemical group contribution model (DISQUAC) and estimation of excess Gibbs energies.
Fluid Phase Equilib., 21: 197 - 209.
040. Marongiu, B., Monaci, R., Caminiti, R., Atzei, D., 1985.
Solute-solvent interactions in dilute aqueous solution of some alkyl- ureas and diazolidin-2-one.
Journal Molecular Liquids, 30: 139 - 155.
041. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1985.
Excess enthalpies of some trialkylamines (C₄ , C₅) + 2-propanone and some dialkylaminoalkanones (C₅, C₇) + some alkane (C₆ – C₁₆).
Int. DATA Ser., Ser. A, Sel. Data Mixtures, 1: 52 - 65.
042. Ferino, I., Marongiu, B., Solinas, V., Torrazza, S., 1985.
Excess enthalpies of N,N-diethylacetamide + some (C₆ – C₁₆) n-alkane mixtures.
Int. DATA Ser., Ser. A, Sel. Data Mixtures, 2: 76 - 79.
043. Marongiu, B., 1985.
Excess enthalpies and liquid-liquid equilibrium of N,N-dimethyl- ethanamide + n-heptane.
Int. DATA Ser., Ser. A, Sel. Data Mixtures, 3: 148 - 149.
044. Marongiu, B., 1985.
Thermodynamic of binary mixtures containing aldehydes. Excess enthalpies of n-alkanals + benzene and + tetrachloromethane mixtures.
Thermochimica Acta, 95: 105 - 110.
045. Marongiu, B., 1985.
Excess enthalpies of some n-alkanal with benzene, tetrachloromethane and n-chloroalkane.
J. Thermal Analysis, 30: 1387 - 1392.
046. Marongiu, B., 1985.

- Excess enthalpies of some 1-chloroalkanes ($C_3 - C_6$) + cyclohexane mixtures.*
Int. DATA Ser., Ser.A, Sel. Data Mixtures, 181 - 184.
047. Marongiu, B., Kehiaian, H. V., 1986.
Thermodynamic properties of binary mixtures containing 1-chloroalkanes. Excess enthalpies and excess Gibbs energies of chloroalkanes + cyclohexane mixtures in terms of an extended quasi-chemical group contribution model (DISQUAC).
Fluid Phase Equilib., 27: 445 - 456.
048. Marongiu, B., Dernini, S., Polcaro, A. M., 1986.
Thermodynamic properties of binary mixtures containing cyclic alkanones. I. Excess enthalpies of cyclopentanone and cyclohexanone + n-alkanes, + cyclohexane, + benzene and + tetrachloromethane.
J. Chem. Eng. Data, 31: 185 - 189.
049. Inglese, A., Marongiu, B., 1987.
Thermodynamic properties of binary mixtures containing cyclic ethers.
Thermochimica Acta, 122: 9 - 22.
050. Marongiu, B., Kehiaian, H. V., 1987.
Application of the DISQUAC contribution model to binary liquid organic mixtures.
Thermochimica Acta, 122: 45 - 62.
051. Marongiu, B., 1987.
Excess enthalpies of some n-alkanones ($C_3 - C_6$) + cyclohexane mixtures.
Int. DATA Ser., Ser. A, Sel. Data Mixtures, 1: 1-6.
052. Marongiu, B., 1987.
Excess enthalpies of cycloalkanones (C_5, C_6) + n-alkanes (C_6, C_7, C_{12}, C_{16}) + cyclohexane, + benzene or + tetrachloromethane mixtures.
Int. DATA Ser., Ser. A, Sel. Data Mixtures, 1: 16 - 29.
053. Marongiu, B., 1987.
Excess enthalpies of 1-chloroalkane ($C_3 - C_6$) + tetrachloromethane mixtures.
Int. DATA Series, Ser. A, Sel. Data Mixtures, 2: 135 - 138.
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Thermodynamic properties of binary mixtures containing cycloalkanones. II. Excess volumes of cycloalkanones + alkanes.
J. Chem. Eng. Data, 32: 194 - 195.
055. Marongiu, B., Dernini, S., Lepori, L., Matteoli, E., Kehiaian, H. V. 1988.
Thermodynamics of binary mixtures containing ethers or acetals. I. Excess enthalpies of linear ethers or acetals + heptane or cyclohexane mixtures.
J. Chem. Eng. Data, 33: 118 - 122.
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A comparative study of thermodynamic properties and molecular interactions in mono - and poly-chloroalkane + n-alkane or cyclohexane mixtures.
Fluid Phase Equilib., 40: 23 - 78.
057. Marongiu, B., 1988.
Excess enthalpies of α, ω -dichloroalkane ($C_1 - C_6$) + CCl_4 mixtures.

Int. DATA Ser., Ser. A, Sel. Data Mixtures, 1: 1 - 6.

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Thermodynamic of 1-chloroalkanes of α, ω -dichloroalkanes + tetrachloromethane mixtures.
Fluid Phase Equilib., 42: 141 - 163.
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Fluid Phase Equilib., 42: 229 - 240.
060. Dernini, S., Polcaro, A. M., Ricci, P. F., Marongiu, B., 1989.
Thermodynamic properties of binary mixtures containing cycloalkanones. 3. Excess volumes of cycloalkanones + cyclohexane, + benzene and + tetrachloromethane.
J. Chem. Eng. Data, 34: 165 -167.
061. Kehiaian, H. V., Tinè, M. R., Lepori, L., Matteoli, E., Marongiu, B., 1989.
Thermodynamics of binary mixtures containing oxaalkanes. Part 3. Monoethers, Polyethers, Acetals, Orthoester and Etherocyclic monoethers + n-alkanes or + cyclohexane.
Fluid Phase Equilib., 46: 131 - 177.
062. Marongiu, B., Dernini, S., Lepori, L., Matteoli, E., 1989.
Calorimetric study of molecular interactions in mixtures of substances containing carbonyl groups.
Thermochimica Acta, 149: 111 - 121.
063. Marongiu, B., Porcedda, S., 1989.
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Thermochimica Acta, 155: 317 -325.
064. Marongiu, B., Porcedda, S., 1990.
Thermodynamics of binary mixtures containing alkanenitriles. I. Excess enthalpies of some n-alkanenitriles + n-alkane or cyclohexane mixtures.
J. Chem. Eng. Data, 35: 172 - 174.
065. Marongiu, B., Porcedda, S., 1990.
Excess enthalpies of tertiary amines + n-alkanes or cyclohexane mixtures.
Thermochimica Acta, 158: 61 - 70.
066. Cancellu, D., Marongiu, B., Porcedda, S., 1991.
Excess Gibbs free energies of mixtures of substances containing nitrogen groups.
Thermochimica Acta, 178: 33 - 49.
067. Giannotti, A., Lepori, L., Matteoli, E., Marongiu, B., 1991.
Excess Gibbs energies of liquid binary mixtures. 6. A hydrocarbon or tetrachloromethane + an aldehyde or a ketone.
Fluid Phase Equilib., 25: 275 - 290.
068. Kehiaian, H. V., Porcedda, S., Marongiu, B., Lepori, L., Matteoli, E., 1991.

- Thermodynamics of binary mixtures containing linear or cyclic alkanones + n-alkanes or + cycloalkanes.*
Fluid Phase Equilib., 63: 231 - 257.
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Applications of the DISQUAC Group Contribution Model to Binary Liquid Organic Mixture containing alkanals.
Thermochimica Acta, 199: 63 - 75.
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Effect of Solvent upon liquid-liquid extraction and selective transport of Alkali Cations by Crown-ethers.
J. Chem. Eng. Data, 37: 281 - 284.
071. Pittau, B., Marongiu, B., Porcedda, S., 1992.
Thermodynamics of binary mixtures containing alkenes. I. Excess enthalpies of some alkenes and polyenes + n-heptane or cyclohexane mixtures.
J. Chem. Eng. Data, 37: 124 - 126.
072. Marongiu, B., Porcedda, S., Kehiaian, H. V., 1993.
Calorimetric study of nitro group interactions in alkane solutions. Comparison with DISQUAC predictions.
Fluid Phase Equilib., 87: 115-131.
073. Dernini, S., Polcaro, A. M., Marongiu, B., Porcedda, S., 1993.
Excess volumes and Gibbs free energies of mixtures containing alkanenitriles.
Fluid Phase Equilib., 87: 163 - 175.
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Excess Gibbs energies and excess enthalpies of liquid binary mixtures containing nitroalkanes.
Fluid Phase Equilib., 84: 281 - 296.
075. Marongiu, B., Pittau, B., Porcedda, S., 1993.
A study of nitrile group interactions in alkane solutions.
Thermochimica Acta, 221: 143 - 162.
076. Marongiu, B., Marras G., Porcedda, S., Dernini, S., 1993.
Excess Gibbs free energies and excess volumes of mixtures containing thiaalkanes and dithiaalkanes.
J. Chem. Eng. Data, 38: 638 - 643.
077. Marongiu, B., Pittau, B., Porcedda, S., Tinè, M.R., 1994.
Thermodynamics of binary mixtures containing linear or cyclic alkenes + n-alkanes or cyclohexane.
Fluid Phase Equilib., 93: 249 - 276.
078. Marongiu, B., Marras, G., Pittau, B., Porcedda, S. 1994.
Thermodynamics of binary mixtures containing thiaalkanes. Excess enthalpies of thiaalkanes and polythiaalkanes + n-alkanes or cyclohexane.
Fluid Phase Equilib., 97: 127 - 146.
079. Marras, G., Artal, M., Otin, S., Marongiu, B., 1994.

- Calorimetric study of nitrile-carbonyl groups interactions. Comparison with DISQUAC predictions.*
Fluid Phase Equilib., 98: 149 - 162.
080. Marongiu, B., Pittau, B., Porcedda, S., Kehiaian, H.V., 1994.
Thermodynamics of binary mixtures containing linear or cyclic alkenes. II. Mixtures with benzene or tetrachloromethane.
Fluid Phase Equilib., 99: 185 - 198.
081. Marongiu, B., Porcedda, S., Lepori, L., Matteoli, E., 1995.
The effect of the molecular shape on enthalpic behaviour of liquid mixtures: cyclic hydrocarbons in n-heptane and tetrachloromethane.
Fluid Phase Equilib., 108: 167 - 183.
082. Marongiu, B., Delitala, C., Pittau, B., Porcedda, S., 1995.
DISQUAC predictions on excess enthalpies of the ternary mixtures: cyclohexane + propanone + tetrahydrofuran.
Fluid Phase Equilib., 109: 67 - 81.
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