

CURRICULUM VITAE

Roberto Millini

Titolo di Studio: Laurea in Chimica conseguita presso l'Università di Pavia il 20.07.1983, discutendo una tesi sulla chimica di complessazione del Cu(II)
Votazione: 110/110 con Lode

Attuale occupazione: Eni S.p.A. – Technology, R&D & Digital (TECH)
Ricerca e Innovazione Tecnologica (R&D)
New Feedstock and Energy Vectors Research Center

Ruolo: CO₂ Valorization & New Energy Vector Technologies, Head

Esperienze lavorative

Periodo: dal 01.03.2021
Posizione/Ruolo: CO₂ Valorization & New Energy Vector Technologies, Head
Società: Eni S.p.A.
Sede: San Donato Milanese (MI)

Periodo: dal 14.01.2016 al 28.02.2021
Posizione/Ruolo: Vice President Cattura e Utilizzo CO₂
Società: Eni S.p.A.
Sede: San Donato Milanese (MI)

Periodo: dal 25.08.2014 al 13.01.2016
Posizione/Ruolo: Vice President Renewable Energy & Environmental Laboratories (RELAB)
Società: Eni S.p.A.
Sede: Istituto G. Donegani – Novara

Periodo: dal 11.07.2005 al 04.12.2014
Posizione/Ruolo: Responsabile Dipartimento di Chimica Fisica
Società: EniTecnologie S.p.A. (fino al 31.07.2006), Eni S.p.A. (dal 01.08.2006)
Sede: San Donato Milanese (MI)

Periodo: dal 01.01.02 al 10.07.2005
Posizione/Ruolo: Responsabile Scientifico
Società: EniTecnologie S.p.A. - Dipartimento di Chimica Fisica
Sede: San Donato Milanese (MI)

Periodo: dal 12/11/98 al 31/12/01
Posizione/Ruolo: Referente
Società: EniTecnologie S.p.A. - Dipartimento di Chimica Fisica
Sede: San Donato Milanese (MI)

Periodo: dal 05/11/86 al 11/11/98
Posizione/Ruolo: Ricercatore
Società: Eniricerche/EniTecnologie S.p.A. – Area di Chimica Fisica e Analitica
Sede: San Donato Milanese (MI)

Periodo: dal 01/10/84 30/09/85
Posizione/Ruolo: Assistente Universitario
Società: Univ. Erlangen/Nürnberg - Institut für Anorganische Chemie II
Sede: Erlangen (BRD)

Periodo: dal 01/08/83 30/09/84
Posizione/Ruolo: Ricercatore
Società: Max Planck Institut für Strahlenchemie
Sede: Mülheim a.d. Ruhr (BRD)

Attività scientifica

Publicazioni e brevetti (elenco allegato)

<i>Articoli peer-reviewed</i>	126
<i>Capitoli di Libro</i>	6
<i>Brevetti</i>	22
<i>Citazioni totali</i>	4700 (Scopus); 5894 (Google Scholar)
<i>h-index</i>	34 (Scopus); 37 (Google Scholar)

È stato inoltre autore/co-autore di numerose comunicazioni, anche su invito, a congressi, seminari, workshop sia a livello nazionale che internazionale.

Guest Editor

È stato Guest Editor per i seguenti Special Issues:

Advanced Simulation of Materials and Catalysts

M. Witko, P.P. Knops-Gerrits, R. Millini and W.A. Goddard III (Guest Eds.)

Journal of Molecular Catalysis A: Chemical Vol. 166 (1) (2001)

Special Issue dedicated to Professor Guido Busca on the occasion of his 65th birthday

Garbarino G., Daturi M., Pieta I., Millini R. (Guest Eds.)

Applied Catalysis A: General, Virtual Special Issue (2019)

Commissioni di Dottorato

- 2001: PhD Thesis of **Birte Marie Skofteland**: “*Zeolite Synthesis: The Influence of Potassium and Organo-Cations on Phase Stability and Si/Al Ratio in the Crystal Framework*” – Faculty of Mathematics and Natural Science – University of Oslo (N) – Main Opponent
- 2008: PhD thesis of **Malek Khaled Deifallah**: “*A Computational Study on the Structure and Properties of Aluminophosphates and Carbon Nitrides*” – University College of London (UCL, UK) – External Examiner
- 2016: PhD Thesis of **Alessio Masala**: “*Nanostructured Materials for the Storage of Gases of Technological Interest*” – Doctoral School of Sciences and Innovative Technologies – Università degli Studi di Torino – Member of the Commission
- 2020: PhD Thesis of **Giada Beltrami**: “*Multipore Zeolites for Environmental and Catalytic Applications: a Structural Fingerprint of “Molecular Traffic Controllers”*” – International Doctoral Course in “Earth and Marine Science” – Università degli Studi di Ferrara – Member of the Commission

Esperienze didattiche

- A.A. 2019/2020 Professore a Contratto – DICCA – Università di Genova
- A.A. 2020/2021 Professore a Contratto – DICCA – Università di Genova
- A.A. 2021/2022 Professore a Contratto – DICCA – Università di Genova

Partecipazione a Comitati (principali)

- 2005: Comitato d’Indirizzo per la Valutazione della Ricerca (CIVR) – Valutazione Triennale della Ricerca 2001 – 2003 (VTR 2001-2003): Panelist nei Panel nr. 3 – Scienze Chimiche – e nr. 15c – Scienze e Tecnologie dei Nano/Microsistemi.
- 2008 – 2010: Organizing Committee of the 16th International Zeolite Conference (Sorrento, Luglio 2010): Chairman of the Paper Selection Committee
- Dal 2009: Eni Award – Pre-evaluation Commission: Leader della Commissione di Prevalutazione per la sezione Downstream (fino al 2016) e Energy Transition (dal 2017)

- 2017: Organizing Committee of EUROPACAT 2017 (Firenze, Luglio 2017): Co-chair of the National Scientific Committee
- Dal 2017: Member of the International Advisory Board of the CUCAM Project (Czech Republic)
- Dal 2018: Member of the International Advisory Board of the EU CLEANKER Project

Associazioni e Ruolo (principali)

- 1997 – 2001: Associazione Italiana Zeoliti (AIZ): Membro del Consiglio Direttivo
- Dal 2004: International Zeolite Association (IZA): Member of the Synthesis Commission
- 2008 – 2011: Associazione Italiana Zeoliti (AIZ): Presidente
- Dal 2016: International Zeolite Association (IZA): Member of the Board

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

ELENCO PUBBLICAZIONI

Roberto Millini

Articoli Peer reviewed

Scopus (May 31, 2022)

Nr. of documents	126
Sum of the times cited:	4700
h-index:	34

Google Scholar (April 30, 2022)

Overall

Sum of the times cited:	5894
h-index:	37
i10-index:	92

126. *Zeolite-based catalysis for phenol production*
Perego C., de Angelis A., Pollesel P. Millini R.
Ind. Eng. Chem. Res., **60**, 6379-6402 (2021); DOI: <https://dx.doi.org/10.1021/acs.iecr.0c05886> (Review)
125. *Advances and challenges in zeolite synthesis and catalysis*
Cejka J., Millini R., Opanasenko M., Serrano D.P., Roth W. J.
Catal. Today, **345**, 2-13 (2020); DOI: <https://doi.org/10.1016/j.cattod.2019.10.021> (Review)
124. *Evolution trends in zeolite-based catalysts*
Bellussi G., Millini R.
Catalysis in Chemistry and Biology - Proceedings of the 24th International Solvay Conference on Chemistry, Aug. 2018; DOI: https://doi.org/10.1142/9789813237179_0025
123. *10-ring Zeolites: Synthesis, characterization and catalytic applications*
Kubů M., Millini R., Žilková N.
Catal. Today, **234**, 3-14 (2019); DOI: <https://doi.org/10.1016/j.cattod.2018.06.011> (Review)
122. *Zeolite Materials for Biomass Conversion to Biofuel*
Perego C., Bosetti A., Ricci M., Millini R.
Energy Fuels **31(8)**, 7721-7733 (2017); DOI: 10.1021/acs.energyfuels.7b01057 (review)
121. *Crystalline Microporous Organosilicates with Reversed Functionalities of Organic and Inorganic Components for Room-Temperature Gas Sensing*
Fabbri B., Bonoldi L., Guidi V., Cruciani G., Casotti D., Malagù C., Bellussi G., Millini R., Montanari L., Carati A., Rizzo C., Montanari E., Zanardi S.
ACS Appl. Mater. Interfaces, **9**, 24812–24820 (2017); DOI: 10.1021/acsami.7b02122
120. *Beyond trial and error for zeolite catalysts*
Millini R.
Science, **355 (issue 6329)**, 1028 (10-03-2017) (perspective su invito degli editori)
119. *Zeolite Science and Technology at Eni*
Bellussi G., Millini R., Pollesel P., Perego G.
New. J. Chem., **40**, 4061-4077 (2016), DOI: 10.1039/C5NJ03498A (Perspective Review)
118. *Hybrid organic–inorganic zeolites: status and perspectives*
Millini R., Bellussi G.
Catal. Sci. Technol., **6**, 2502-2527 (2016), DOI: 10.1039/C5CY02057C (Perspective Review)

117. *Swelling and interlayer chemistry of layered MWW zeolites MCM-22 and MCM-56 with high Al content*
Roth W. J., Cejka J., Millini R., Montanari E., Gil B., Kubu M.
Chem. Mater. **27**, 4620-4629 (2015)
116. *The influence of reactor fluid-dynamics during zeolite synthesis: the synthesis and the cracking activity of hierarchical ERS-10 A zeolite*
Carati A., Bennardo A., Montanari E., Zanardi S., Rizzo C., Millini R., Bellussi G.
J. Catal. **329**, 307-316 (2015)
115. *An industrial perspective on the impact of Haldor Topsøe on research and development in catalysis by zeolites*
Bellussi G., Millini R., Pollesel P.
J. Catal. **328**, 11-18 (2015)
114. *Synthesis and characterization of Si/Ga Eni Carbon Silicates*
Bellussi G., Carati A., Guidetti S., Rizzo C., Millini R., Zanardi S., Montanari E., Parker Jr. W.O., Bellettato M.
Chin. J. Catal. **36**, 813-819 (2015)
113. *Synthesis and characterization of ERS-10 zeolite: toward a material with hierarchical porosity*
Carati A., Montanari E., Zanardi S., Millini R., Bellussi G.
Appl. Catal. A: General **504**, 171-178 (2015), DOI:10.1016/j.apcata.2014.12.003
112. *The Turning Point of the Refining Industry in Europe*
Bellussi G., Rispoli G., Millini R., Pollesel P.
Chem. Ing. Tech. **86(12)**, 2150-2159 (2014) DOI: 10.1002/cite.201400084
111. *The state of nickel in spent Fluid Catalytic Cracking catalysts*
Busca G., Riani P., Garbarino G., Ziemacki G., Gambino L., Montanari E., Millini R.
Appl. Catal. A: General **486**, 176-186 (2014) DOI: 10.1016/j.apcata.2014.08.011
110. *The role of boric acid in the synthesis of Eni Carbon Silicates*
Zanardi S., Bellussi G., Parker Jr. W.O., Montanari E., Bellettato M., Cruciani G., Carati A., Guidetti S., Rizzo C., Millini R.
Dalton Trans. **43(27)**, 10617-10627 (2014) DOI: 10.1039/C4DT00919C
109. *The Flexible Structure of a Thermally Stable Hybrid Aluminosilicate Built with Only the 3-Ring Unit*
Bellettato M., Bonoldi L., Cruciani G., Flego C., Guidetti S., Millini R., Montanari E., Parker Jr. W.O., Zanardi S.
J. Phys. Chem. C **118**, 7458-7467 (2014) DOI: 10.1021/jp5005133
108. *Hierarchical hybrid organic-inorganic materials with tunable properties obtained using zeolitic layered precursors*
Opanasenko M., Parker Jr. W.O., Shamzhy M., Montanari E., Bellettato M., Mazur M., Millini R., Cejka J.
J. Am. Chem. Soc. **136**, 2511-2519 (2014) DOI: 10.1021/ja410844f
107. *Hydroconversion of heavy residues in slurry reactors: developments and perspectives*
Bellussi G., Rispoli G., Landoni A., Millini R., Molinari D., Montanari E., Moscotti D., Pollesel P.
J. Catal. **308**, 189-200 (2013) DOI:10.1016/j.jcat.2013.07.002
106. *Methane storage on CPO-27-Ni pellets (vol. 18, pg. 289, 2011)*
Tagliabue M., Rizzo C., Millini R., Dietzel P. D. C., Blom R., Zanardi S.
J. Porous Mater. **20(5)**, 1405-1405 (2013) (Correction)
105. *New trends in the synthesis of crystalline microporous materials*
Bellussi G., Carati A., Rizzo C., Millini R.
Catal. Sci. Technol. **3(4)**, 833-857 (2013) DOI:10.1039/C2CY20510F (Review)
104. *Porous materials in catalysis: challenges for mesoporous materials*
Perego C., Millini R.

- Chem. Soc. Rev.* **42(9)**, 3956-3976 (2013) DOI:10.1039/C2CS35244C (Review)
103. *The role of MoS₂ nano-slabs in the protection of the heterogeneous cracking catalyst for the total conversion of heavy oils to good quality distillates*
Bellussi G., Rispoli G., Molinari D., Landoni A., Pollesel P., Panariti N., Millini R., Montanari E.
Catal. Sci. Technol. **3**, 176-182 (2013)
102. *Oligomerization of olefins from Light Cracking Naphtha over zeolite-based catalyst for the production of high quality Diesel fuel*
Bellussi G., Mizia F., Calemma V., Pollesel P., Millini R.
Microporous Mesoporous Mater. **164**, 127-134 (2012), DOI: 10.1016/j.micromeso.2012.07.020
101. *High Pressure Hydrogen Sulphide Adsorption on Silica-aluminas*
Tagliabue M., Bellussi G., Broccia P., Carati A., Millini R., Pollesel P., Rizzo C.
Chem. Eng. J. **210**, 398-403 (2012) DOI:10.1016/j.cej.2012.08.076
100. *A highly crystalline microporous hybrid organic-inorganic aluminosilicate resembling the AFI-type zeolite*
Bellussi G., Millini R., Montanari E., Carati A., Rizzo C., Parker W. O. Jr., Cruciani G., de Angelis A., Bonoldi L., Zanardi S.
Chem. Commun. **48(59)**, 7356-7358 (2012)
99. *ECS-3: the First Crystalline Hybrid Organic-Inorganic Aluminosilicate with Open Porosity*
Bellussi G., Montanari E., Di Paola E., Millini R., Carati A., Rizzo C., Parker W.O. Jr., Gemmi M., Mugnaioli E., Kolb U., Zanardi S.
Angew. Chem. Int. Ed. **51**, 666-669 (2012)
98. *Zeolites in a permeable reactive barrier (PRB): One year of field experience in a refinery groundwater – Part 2: Zeolites characterization*
Vignola R., Bagatin R., De Folly D'Auris A., Previde Massara E., Ghisletti D., Millini R., Sisto R.
Chem. Eng. J. **178**, 210-216 (2011)
97. *Zeolites in a permeable reactive barrier (PRB): One year of field experience in a refinery groundwater – Part 1: The performances*
Vignola R., Bagatin R., De Folly D'Auris A., Flego C., Nalli M., Ghisletti D., Millini R., Sisto R.
Chem. Eng. J. **178**, 204-209 (2011)
96. *News from the world of eni carbon silicates (ECS) materials*
Millini R.
Acta Cryst. **A67**, 151-152 (2011)
95. *Silica-aluminas for carbon dioxide bulk removal from sour natural gas*
Bellussi G., Broccia P., Carati A., Millini R., Pollesel P., Rizzo C., Tagliabue M.
Microporous Mesoporous Mater. **146**, 134-140 (2011)
94. *ERS-18: a new member of the NON-EUO-NES zeolite family*
Zanardi S., Millini R., Frigerio F., Belloni A., Cruciani G., Bellussi G., Carati A., Rizzo C., Montanari E.
Microporous Mesoporous Mater. **143**, 6-13 (2011)
93. *Methane storage on CPO-27-Ni pellets*
Tagliabue M., Rizzo C., Millini R., Dietzel P. D. C, Blom R., Zanardi S.
J. Porous Mater. **18(3)**, 289-296 (2011)
92. *Model oxide supported MoS₂ HDS catalysts: structure and surface properties*
Cesano F., Bertarione S., Piovano A., Agostini G., Rahman M.M., Groppo E., Bonino F., Scarano D., Lamberti C., Bordiga S., Montanari, L., Bonoldi L., Millini R., Zecchina A.
Catal. Sci. Technol. **1**, 123-136 (2011)

91. *EMS-6, a novel microporous gadoliniumsilicate with monteregianite structure: Synthesis, crystal structure and thermal behaviour*
Zanardi S., Bellussi G., Carati A., Cruciani G., Millini R., Rizzo C.
Microporous Mesoporous Mater. **134(1-3)**, 115-123 (2010)
90. *Unexpected Destructive Dealumination of Zeolite Beta by Silylation*
Parker W. O. Jr., de Angelis A., Flego C., Millini R., Perego C., Zanardi S.
J. Phys. Chem. C **114(18)**, 8459-8468 (2010).
89. *Investigation on the porosity of zeolite NU-88 by means of positron annihilation lifetime spectroscopy*
Consolati G., Mariani M., Millini R., Quasso F.
Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms **267(15)**, 2550-2553 (2009)
88. *Ring Opening of Methylcyclohexane over Platinum-Loaded Zeolites*
Calemma V., Carati A., Flego C., Giardino R., Gagliardi F., Millini R., Bellussi G.
ChemSusChem **1(6)**, 548-557 (2009)
87. *The Role of Molecular Mechanics and Dynamics Methods in the Development of Zeolite Catalytic Processes*
Millini R., Perego C.
Top. Catal. **52(1-2)**, 42-66 (2009)
86. *Investigation on the hydrated and dehydrated forms of the ion-exchanged microporous stannosilicate EMS-2*
Zanardi S., Dalconi M.C., Gambaro C., Bellussi G., Millini R., Rizzo C., Carati A.
Microporous Mesoporous Mater. **117(1-2)**, 414-422 (2009)
85. *Crystalline hybrid organic-inorganic alumino-silicates*
Bellussi G., Carati A., Di Paola E., Millini R., Parker W.O. Jr., Rizzo C., Zanardi S.
Microporous Mesoporous Mater. **113(1-3)**, 252-260 (2008)
84. *Synthesis and framework topology of the new disordered ERS-10 zeolite*
Zanardi S., Cruciani G., Carluccio L. C., Bellussi G., Perego C., Millini R.
J. Porous Mater. **14(3)**, 315-323 (2007)
83. *Synthesis, characterization and crystal structure of EMS-2 - a novel microporous stannosilicate*
Millini R., Carati A., Bellussi G., Cruciani G., Parker W. O. Jr., Rizzo C., Zanardi S.
Microporous Mesoporous Mater. **101(1-3)**, 43-49 (2007)
82. *In situ X-ray single-crystal study on the dehydration mechanism in the monoclinic polytype of tschernichite, the mineral analog of zeolite beta*
Alberti A., Cruciani G., Galli E., Millini R., Zanardi S.
J. Phys. Chem. C **111(12)**, 4503-4511 (2007)
81. *Synthesis, characterization and crystal structure of new microporous bismuth silicates*
Zanardi S., Carati A., Cruciani G., Bellussi G., Millini R., Rizzo C.
Microporous Mesoporous Mater. **97(1-3)**, 34-41 (2006)
80. *Amorphous aluminosilicate catalysts for hydroxyalkylation of aniline and phenol*
Perego C., de Angelis A., Carati A., Flego C., Millini R., Rizzo C., Bellussi G.
Appl. Catal. A: General **307(1)**, 128-136 (2006)
79. *Synthesis, characterization and adsorption capacities of microporous titanosilicate EMS-3*
Rizzo C., Carati A., Millini R., Bellussi G., Parker W.O. Jr., Zanardi S.
Microporous Mesoporous Mater. **90(1-3)**, 153-161 (2006)
78. *Ti coordination in titanium silicalite-1*
Parker W.O. Jr., Millini R.

- J. Am. Chem. Soc.* **128(5)**, 1450-1451 (2006)
77. *Nu-88: a new and efficient catalyst in industrially relevant hydroxyalkylation reaction*
de Angelis A., Bellussi G., Carluccio L.C., Millini R., Perego C.
Stud. Surf. Sci. Catal. **158**, 1367-1374 (2005)
76. *Ethane-silica hybrid material with ordered hexagonal mesoporous structure*
Diaz-Morales U., Bellussi G., Carati A., Millini R., Parker W.O. Jr., Rizzo C.
Microporous Mesoporous Mater. **87(3)**, 185-191 (2005)
75. *Ring opening of methylcyclohexane over platinum loaded zeolites*
Calemma V., Carati A., Flego C., Giardino R., Millini R.
Abstracts of Papers of the American Chemical Society **229**, U858-U859, Part 1, 051-FUEL (2005)
74. *Azonia-spiro compounds as structure directing agents: A computational study*
Millini R., Perego C., Frigerio F., Carluccio L.C., Bellussi G.
Stud. Surf. Sci. Catal. **154**, 275-282 (2004)
73. *Stability upon thermal treatment of coked zeolite beta*
Millini R., Perego C., Parker W.O. Jr., Flego C., Girotti G.
Stud. Surf. Sci. Catal. **154**, 1214-1221 (2004)
72. *Influence of zeolite pore structure on benzene propylation to iso-/n-propylbenzene*
Perego C., Millini R., Parker W.O. Jr., Bellussi G., Romano U.
Stud. Surf. Sci. Catal. **154**, 2239-2246 (2004)
71. *ERS-12: A new layered tetramethylammonium silicate composed by ferrierite layers*
Millini R., Carluccio L.C., Carati A., Bellussi G., Perego C., Cruciani G., Zanardi S.
Microporous Mesoporous Mater. **74(1-3)**, 59-71 (2004)
70. *Study on the stability of a Ga/Nd/ZSM-5 aromatisation catalyst*
Tagliabue M., Carati A., Flego C., Millini R., Perego C., Pollesel P., Stocchi B., Terzoni G.
Appl. Catal. A: General **265(1)**, 23-33 (2004)
69. *A priori selection of shape-selective zeolite catalysts for the synthesis of 2,6-dimethylnaphthalene*
Millini R., Frigerio F., Bellussi G., Pazzuconi G., Perego C., Pollesel P., Romano U.
J. Catal. **217(2)**, 298-309 (2003)
68. *Structural characterization of borosilicates synthesized in the presence of ethylenediamine*
Zanardi S., Alberti A., Millini R., Bellussi G., Perego G.
Stud. Surf. Sci. Catal. **142**, 1923-1930 (2002)
67. *Novel nanocomposite material*
Carati A., Rizzo C., Dalloro L., Stocchi B., Millini R., Perego C.
Stud. Surf. Sci. Catal. **142**, 191-198 (2002)
66. *Defect-free MEL-type zeolites synthesized in the presence of an azoniaspiro-compound*
Millini R., Berti D., Ghisletti D., Parker W.O. Jr., Carluccio L.C., Bellussi G.
Stud. Surf. Sci. Catal. **142**, 61-68 (2002)
65. *B-containing molecular sieves crystallized in the presence of ethylenediamine. Part II: crystal structure of as-synthesized B-MFI*
Perego G., Bellussi G., Millini R., Alberti A., Zanardi S.
Microporous Mesoporous Mater. **58(3)**, 213-223 (2003)
64. *New one-step synthesis of superacid sulfated zirconia*
Zanibelli L., Carati A., Flego C., Millini R.
Stud. Surf. Sci. Catal. **143**, 813-821 (2002)

63. *Framework topology of ERS-10 zeolite*
Zanardi S., Cruciani G., Carluccio L.C., Bellussi G., Perego C., Millini R.
Angew. Chem. Int. Ed. **41(21)**, 4109-4112 (2002)
62. *B-containing molecular sieves crystallized in the presence of ethylenediamine. Part 1: crystal structure of as-synthesized B-FER*
Perego G., Bellussi G., Millini R., Alberti A., Zanardi S.
Microporous Mesoporous Mater. **56(2)**, 193-202 (2002)
61. *Crystal structure of tetragonal and monoclinic polytypes of tschernichite, the natural counterpart of synthetic zeolite beta*
Alberti A., Cruciani G., Galli E., Merlino S., Millini R., Quartieri S., Vezzalini G., Zanardi S.
J. Phys. Chem. B **106(39)**, 10277-10284 (2002)
60. *Fluxional behavior and polymerization activity of the new α,α' -ortho-xylene-bis(5,6-dimethyl-1-indenyl)zirconium dichloride*
Santi R., Abis L., Sommazzi A., Zannoni C., Proto A., Ricci G., Millini R., Masi F.
Macromol. Chem. Phys. **203(10-11)**, 1301-1308 (2002)
59. *Quantitative phase analysis by combining the Rietveld and the whole-pattern decomposition methods*
Giannini C., Guagliardi A., Millini R.
J. Appl. Cryst. **35(4)**, 481-490 (2002)
58. *New catalysts based on Rutile-type Cr/Sb and Cr/V/Sb mixed oxides for the ammoxidation of propane to acrylonitrile*
Ballardini N., Cavani F., Trifirò F., Catani R., Comaro U., Ghisletti D., Millini R., Stocchi B.
Stud. Surf. Sci. Catal. **136**, 135-140 (2001)
57. *Pentasil zeolites from Antarctica: from mineralogy to zeolite science and technology*
Alberti A., Cruciani G., Galli E., Merlino S., Millini R., Quartieri S., Vezzalini G., Zanardi S.
Stud. Surf. Sci. Catal. **135**, 83-91 (2001)
56. *Synthesis and characterization of borosilicates with the EUO framework topology*
Millini R., Carluccio L.C., Carati A., Parker W.O. Jr.
Microporous Mesoporous Mater. **46(2-3)**, 191-201 (2001)
55. *The determination of Brønsted acid sites in zeolite ERS-7 by neutron and X-ray powder diffraction*
Campbell B.J., Cheetham A.K., Vogt T., Carluccio L., Parker W.O. Jr., Flego C., Millini R.
J. Phys. Chem. B **105(10)**, 1947-1955 (2001)
54. *Special issue - Advanced simulation of materials and catalysts - Preface*
Witko M., Knops-Gerrits P.P., Millini R., Goddard W.A. III
J. Mol. Catal. A: Chemical **166(1)**, 1-2 (2001)
53. *Dynamic behaviour of azonia-spiro-alkanes within the MOR and MTW zeolite pore structures*
Frigerio F., Carluccio L., Parker W.O. Jr., Millini R.
J. Mol. Catal. A: Chemical **166(1)**, 167-174 (2001)
52. *Merocyanine and photomerocyanine dyes*
Hobley J., Malatesta V., Millini R., Parker W.O. Jr.
Molecular Crystals Liquid Crystals **345**, 653-658 (2000)
51. *Synthesis and crystal structure of an ansa-disilylene-bridged zirconocene complex*
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