

PERSONAL INFORMATION

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Sex Male | Date of birth 20/10/1934 | Nationality Română

WORK EXPERIENCE

2011 - in present

Professor Dr. Emeritus

University of Bucharest, Faculty of Chemistry

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Sector: Department of Organic Chemistry, Biochemistry and Catalysis

2004 - 2011

Professor Dr. Consultant

University of Bucharest, Faculty of Chemistry

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Sector: Department of Organic Chemistry, Biochemistry and Catalysis

1980 - 2004

Professor Dr.

University of Bucharest, Faculty of Chemistry

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Sector: Department of Chemical Technology and Catalysis

Between 1980 - 1989 Faculty of Chemical Technology IPB

1970 - 1980

Associate Professor Dr.

University of Bucharest, Faculty of Chemistry

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Sector: Department of Chemical Technology and Catalysis

Between 1974 - 1980 Faculty of Chemical Technology IPB

1963 - 1970

Lecturer Dr.

University of Bucharest, Faculty of Chemistry

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Sector: Department of Chemical Technology and Catalysis

1957 - 1963

University assistants

University of Bucharest, Faculty of Chemistry
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Sector: Department of Chemical Technology and Catalysis

EDUCATION AND TRAINING

- 1971 - 1972 **Specialization in Catalysis**
 Princeton University, USA
- 1967 **Doctor Degree**
 University of Bucharest
 Diploma MIDRC, no. 1554/06.1967
- 1957 **Licentiate in the field of Organic Chemistry**
 University of Bucharest
 Diploma no. 61332/1958

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

- Doctoral advisor**
- ✓ At I.P.B. - Bucharest, Faculty of Chemical Technology 1984 - 1990
 - ✓ At the University of Bucharest, Faculty of Chemistry, 1990 - present
 - ✓ 10 theses sustained until 2013
- Areas of research**
- ✓ Technologies regarding complex recovery processes of the fatty acids from oxidation of paraffin
 - ✓ Organometallic complex catalysts for obtaining stereospecific polyacetylenes and lower alkene dimerization and codimerization. Relations between physicochemical properties and catalytic activity. The nature of the active sites and reaction mechanisms.
 - ✓ Oxide catalysts for n-butenes oxydehydrogenation and metal catalysts / support for selective hydrogenation. Structural and adsorptive properties.
 - ✓ Desulphurisation processes catalysts for petroleum fractions.
 - ✓ transformation of alkanes and alkenes on C2-C4 ZSM-5 zeolite catalysts.
 - ✓ Base-catalyzed reactions on Mg-Al hydrotalcite, Mg-Al-Ln (Ln = Y, La, Gd, Sm, Dy) and mixed oxides derived from hydrotalcite precursors.
 - ✓ Contributions to the theoretical basis of preparation of catalysts.
 - ✓ Design of industrial catalysts.

- Distinctions**
- ✓ Laureate of Education Ministry for Scientific Research in 1965 and 1968.
 - ✓ The medal "The Science merit", 1983.
 - ✓ Romanian Academy Laureate "N. Teclu" - 1990.
 - ✓ Diploma of Honor and Medal "P. Poni" of Romanian Chemistry Society, 2004.
 - ✓ Diploma "Professor Emeritus" University of Bucharest, 2012.
 - ✓ Diploma of Honor and Medal "Dr. C. Istrati" of Romanian Chemistry Society, 2014.
 - ✓ Diploma of Honor and Excellence Award "IV Nicolescu" of Romanian Catalysis Society, 2014.
 - ✓ Honorary Diploma of the Faculty of Chemistry for his entire activity, 2014.
- Relevant elements on the work performed**
- ✓ Responsible of team from Chemical Technology and Catalysis from Department of Chemistry and Inorganic Technology, Faculty of Chemical Technology at the Polytechnic Institute of Bucharest, 1977 - 1989
 - ✓ Member in the Regional Advisory Board of Chemical Communication, Edited by Royal Society of Chemistry - London, 1990-1993
 - ✓ Member of the Staff Council, Faculty of Chemistry, University of Bucharest, 1990 - 1999
 - ✓ Member of the Advisory Board of Chemistry MCT, 1990 - 2000
 - ✓ Head of the Department of Chemical Technology and Catalysis, University of Bucharest, Faculty of Chemistry, 1990 - 1999
 - ✓ Associate Professor at the Polytechnic University of Bucharest, 1990-2003 and Oil and Gas University of Ploiesti, 1998 - 2006
 - ✓ Romanian Catalysis Society Founding President, founded in 1992 and received in EFCATS in 1993. President of the Society, 1992-2005
 - ✓ Member of the Steering Committee of the European Federation of Catalysis Societies, 1993 - 2008
 - ✓ Member Representative for Romania in the Working Party of the Catalysis and Chemical Engineering of the European Federation of Chemical Engineering, 1993 - 2006
 - ✓ We set up in 1993 the journal Progress in Catalysis (biannual in English, reviewed in Chem. Abstr.), Scientific editor of the magazine, 1993-2000
 - ✓ We organized as chairman of the National Catalysis Symposium III 1993 - Bucharest; IV, 1995 - Ploiesti, V, 1997 - Bucharest; VI, 2000 - Bucharest
 - ✓ Director of Research Center "Catalysts and Catalytic Processes" University of Bucharest, 1993 - 1995 and 1999 - 2006
 - ✓ Member of the International Scientific Committees of International Congress EUROPACAT II - 1995, Maastricht, The Netherlands; EUROPACAT - III - 1997, Krakow, Poland; EUROPACAT - IV - 1999 Rimini, Italy; EUROPACAT - V - 2001, Limerick, Ireland; EUROPACAT - VI - 2003 Innsbruck, Austria
 - ✓ Member of the Board of the Central Petrochemical, Brazi, Ploiesti; the Board of Directors of the Institute ZECASIN - Bucharest, 1994 - 1997 and INCERP Institute - Ploiesti, 1996 - 2001
 - ✓ Member of the Senate of the University of Bucharest, 1995 - 1999
 - ✓ Member of the Commission no. 1 CNCSU, 1996-2005.
- Treaties and monographs in which are cited papers of the undersigned**
- ✓ "Solid Acids and Bases – Their catalytic Properties" – Kozo Tanabe Academic Press – 1970, indication 155, pag. 147 și 158
 - ✓ "Kataliceskie sviostva giketonatov metalov" – Acad. St. URSS – Kiev, 1983, indication 185, N. N. Nizelsky
 - ✓ "Supported Metal Complexes" – F. R. Hartley London 1985, pag. 277, indication 2
 - ✓ "Homogeneous Hydrogenation" - B. R. James – Ed. John Wiley N. Y. 1992, pag. 379, indication 1168
 - ✓ "Cataliză și Catalizatori", vol. II, E. I. Segal, C. Idițoiu, N. Doca, D. Fătu, Ed. Facla, 1989, indication 32, pag. 224
 - ✓ "Conversia Hidrocarburilor" – S. Raseev, ed. ZECASIN, 1997, Bucharest, pag. 316, indications 12, 13, 14
 - ✓ "Ingineria Prelucrării Hidrocarburilor", G. C. Suci, I. Ghejan, S. F. Ionescu, I. Opreș, vol. V, Ed. Tehnică, 1999, indication 74, pag. 111.
- International cooperation**
- Princeton University, USA, 1971-1976
 - Université Pierre et Marie Curie – Paris, Franța
 - L. V. Piszhevskii Institute of Physical Chemistry National Academy of Sciences of Ukraine, Kiev, Ukraine
 - Lisbon Technical University, Grupo de Estudos de Catálise, Lisbon, Portugal

Papers presented at Congresses and Symposia	• 62 - 45 international and 17 national
Research Contracts	• 48 - at 34 as responsible • CNCSIS type C (The World Bank) • Program RELANSIN (2000-2003) and CERES (2003-2006)
Cooperation with industry	• PETROM S. A. • ROMPETROL S. A. • Vega Refinery • BRAZI • ARPECHIM • DĂRMĂNEȘTI • BORZEȘTI • ONEȘTI • VICTORIA • CRAIOVA
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Books and printed manuals	9
Patents	9
Articles published in international journals	35
Articles published in national journals (ISI)	39
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ANNEXES

Books and printed manuals

1. A. Popescu, E. Angelescu, A. Ionescu, "Lucrări Practice de Cataliză Eterogenă", Centrul de Multiplicare Univ. București, 293 pag., 1972
2. E. Angelescu, A. Popescu, "Procese Catalitice în Chimia Hidrocarburilor", Ed. Didactică și Pedag., 330 pag., 1976
3. E. Angelescu, A. Szabo, "Catalizatori și Principiile Catalizei Eterogene", Centrul de multiplicare al IPB, 230 pag., 1980
4. A. Szabo, Gh. Nedelcu, E. Angelescu, "Lucrări Practice de Tehnologie Chimică Generală" (Partea I), Centrul de Multiplicare IPB, 114 pag., 1988
5. V.I. Pârvulescu, V. Pârvulescu, E. Angelescu, "Catalizatori și Procese Catalitice Neconvenționale", Centrul de Multiplicare al Universității București, 254 pag., 1992
6. E. Angelescu, A. Szabo, "Cataliza Eterogenă", Ed. Briliant, București, 333 pag., 1998, ISBN 973-95354-3-7
7. E. Angelescu, M. Ropot, R. Zăvoianu, "Cataliza cu complecși organo-metalici", Ed. Ars Docendi, 113 pag., 2001, ISBN 973-8118-83-2
8. A. Urdă, E. Angelescu, I. Săndulescu, "Chimie Tehnologică Generală" (Partea I), Editura Universității din București, 195 pag., 2002, ISBN 973-575-655-2
9. E. Angelescu, V. Matei, D. Ciuparu, "Efecte de selectivitate în cataliză", Ed. Universității din Ploiești, 235 pag., 2002, ISBN 973-8150-27-2

Patents

1. G. Pop, A. Mihai, I.V. Nicolescu, E. Angelescu, V. Ioniță, V. Parausanu, M. Dardan, "Catalizator pentru metanizarea oxidului de carbon și procedeu de preparare a sa", Brevet Nr. 53011/09.08.1970
2. I.V. Nicolescu, I. Săndulescu, I. Grigoriu, T. Crisan, E. Angelescu, G. Pascu, "Catalizator pentru oxidehidrogenarea n-butenelor la butadienă și procedeu pentru obținerea acestuia", Brevet Nr. 62701/06.08.1976
3. E. Angelescu, I.V. Nicolescu, J. Herscovici, E. Cristureanu, D. Dobrescu, M. Toma, P. Stănculescu, I. Filipoiu, "Procedeu de obținere a ftalocianinelor metalice disulfonate utilizabile drept catalizatori de demercaptanizare a fracțiilor petroliere", Brevet Nr. 74280/13.02.1980
4. E. Angelescu, M.C. Tarabasanu, T. Bota, D. Dobrescu, A. Angelescu, M. Toma, "Catalizator utilizat la demercaptanizarea fracțiilor petroliere", Brevet Nr. 85746/26.04.1984
5. M. Udrea, I. Udrea, C. Capat, I.V. Nicolescu, G. Pop, G. Musca, E. Angelescu, P. Tomi, D.D. Crisan, "Catalizator pentru sinteza hidrocarburilor olefinice C2-C4 din amestecuri de CO/H₂ și procedeu pentru obținerea acestuia", Brevet Nr. 96705/21.02.1989
6. E. Angelescu, I. Zama, G. Auslender, D. Dobrescu, M. Toma, M. A. Barbul, "Catalizator pentru demercaptanizarea produselor petroliere și procedeu pentru obținerea acestuia", Brevet Nr. 85477/26.04.1989
7. E. Angelescu, N. Marculescu, I. Zama, V.A. Nastasi, A. Platon, I. Udrea, A. Szabo, A. Angelescu, G. Pogonaru, "Procedeu pentru desulfurarea gazelor care conțin hidrogen sulfurat", Brevet Nr. 99160/10.08.1989
8. E. Angelescu, D.C. Popescu, A. Nastasi, A. Cruceanu, E. Petianu, "Procedeu de desulfurare catalitică a fluxurilor gazoase conținând hidrogen sulfurat cu recuperarea sulfului", Brevet Nr. 110128 B1/29.11.1995
9. M. Dimonie, D. Dimonie, D. Mănoiu, E. Angelescu, I. Pavel, P. Dima, G. Vasilevici, "Compoziția și Procedeu pentru Modificarea cu Polimeri a Bitumului", OSIM 121475/2007

Articles published in international journals

1. I.V. Nicolescu, E. Angelescu, P. Vasilescu, "Nouvelles possibilites d'utilisation des acides gras synthetiques obtenus par oxydation de la paraffine", Revue Francaise des Corps Gras 7 (1958) 384 – 392

2. I.V. Nicolescu, E. Angelescu, "L'étude de l'activité de certains catalyseur organo-metalliques dans la réaction de polymérisation stéréospécifique de l'acétylène", Chim. et Ind. No. Special 92. (3 bis) (1964) 249 – 254
3. I.V. Nicolescu, E. Angelescu, "Study of hydrocarbon-soluble organo-metallic catalysts. Correlation between catalytic activity and electronic conductivity of $\text{Al}(\text{C}_2\text{H}_5)_3\text{-Ti}(\text{OC}_4\text{H}_9)_4$ catalysts in the synthesis of stereoregular polyacetylene", Journal of Polymer Science Part A 3 (1965) 1227 – 1244
4. E. Angelescu, Cl. Nicolau, S. Zeno, "Electron Spin Resonance Investigation of some organo-metallic catalysts", Journal of the American Chemical Society 88 (17) (1966) 3910 – 3912
5. I.V. Nicolescu, E. Angelescu, "Study of hydrocarbon-soluble organo-metallic catalysts. Investigation of the activity and electronic conductivity of $\text{Al}(\text{C}_2\text{H}_5)_3\text{-M}(\text{C}_5\text{H}_7\text{O}_2)_n$ catalysts employed in the synthesis of stereoregular polyacetylene", Journal of Polymer Science Part A 1 (4) (1966) 2963 – 2979
6. E. Angelescu, I. V. Nicolescu, "Correlations between the structure of some soluble catalytic complexes and their activity in the polymerisation of acetylene", Journal of Polymer Science Part C 22 (1968) 203 – 212
7. E. Angelescu, I.V. Nicolescu, "Étude des caractéristiques structurelles et semi-conductrices du polyacéthylène stéréoregulier", Révue Générale du Caoutchouc et de Plastiques 5, 3, 22 (1968) 179 – 180
8. I.V. Nicolescu, E. Angelescu, I. Grigoriu, T. Crişan, E. Grigoriu, "Oxydeshydrogénation catalytique des hydrocarbures", Chimie et Ind. – Génie Chimique vol. 104 (14) (1971) 1731 – 1737
9. E. Angelescu, J. Turkevich, "Electron Spin Resonance Studies of Oxygen Interaction with porous matrix and metallic catalysts", General Report to Princeton University (1972) 104
10. V.I. Pârvulescu, V. Pârvulescu, L. Frunză, N. Grecu, E. Enache, E. Angelescu, "Selective hydrogenation of styrene on Pd-Mo/Al₂O₃ and Pd/Al₂O₃ catalysts", Bulletin des Sociétés Chimiques Belges 102 (6) 1993) 39 – 399
11. V.I. Pârvulescu, G. Filoti, V. Pârvulescu, N. Grecu, E. Angelescu, I.V. Nicolescu, "Styrene hydrogenation on supported Pd-Fe and Pd-Fe/Al₂O₃ catalysts" Journal of Molecular Catalysis 89 (1994) 267 – 282
12. V.I. Pârvulescu, V. Pârvulescu, S. Coman, C. Radu, D. Macovei, E. Angelescu, R. Russu, "Modified ruthenium-exchanges zeolites for enantioselective hydrogenation", Studies in Surface Science and Catalysis 91 (1995) 561 – 570
13. S. Coman, C. Bendic, M. Hillebrand, E. Angelescu, V.I. Pârvulescu, A. Petride, M. Banciu, "Diastereoselective Hydrogenation of cyclic-β-ketoesters over modified Ru/zeolite catalysts", Catalysis in Organic Reaction, F. Herkes (Ed.), Marcel Decker, New York (1998) 145 – 157
14. S. Coman, E. Angelescu, A. Petride, M. Banciu, V.I. Pârvulescu, "Enantioselective catalytic hydrogenation of (6:7,8:9)-Dibenzobicyclo[3,2,2]nona-6,8-dien-2-one on Ru-containing zeolites", Catalysis in Organic Reaction, M. Ford (Ed.), Marcel Decker, New York (2000) 483 – 488
15. R. Zăvoianu, E. Angelescu, "Pt-2,2'-bipyridine complex encapsulated in Y zeolite – catalysts for ethylene selective dimerization", Studies in Surface Science and Catalysis Elsevier B. V. 135 (2001) 4031 – 4038
16. E. Angelescu, O.D. Pavel, M. Che, R. Bîrjega, G. Costentin, "Cyanoethylation of ethanol on Mg-Al hydrotalcites promoted by Y³⁺ and La³⁺", Catalysis Communications 5 (2004) 647 – 651
17. E. Angelescu, M. Che, M. Andruh, R. Zăvoianu, G. Costentin, C.D. Mirică, O.D. Pavel, "Ethylene Selective Dimerization on Polymer Complex Catalyst of Ni(4,4'-bipyridine)Cl₂ Coactivated with AlCl(C₂H₅)₂", Journal of Molecular Catalysis A: Chemical 219 (2004) 13 – 19
18. E. Angelescu, R. Bîrjega, O.D. Pavel, M. Che, G. Costentin, S. Popoiu, "Hydrotalcites (HTs) and mesoporous mixed oxides obtained from HT, basic solid catalysts for cyclohexanone condensation", Studies in Surface Science and Catalysis, 156 (2005) 257 – 264
19. R. Zăvoianu, A.P.V. Soares Dias, O.D. Pavel, E. Angelescu, M. F. Portela, "1-Octene metathesis on silica supported Zr-doped NiMoO₄ catalysts", Catalysis Communications 6

(2005) 321 – 327

20. R. Bîrjega, O.D. Pavel, G. Costentin, M. Che, E. Angelescu, “Rare-earth elements modified hydrotalcites and corresponding mesoporous mixed oxides as basic solid catalysts”, Appl. Catal. A: General 288 (2005) 185 – 193

21. R. Zăvoianu, C. Nenu, E. Angelescu, “Ni(2,2-bipyridine)₂Cl₂ encapsulated in Y zeolite new catalyst for ethylene dimerization” Catalysis Communications 6 (2005) 415 – 420

22. E. Angelescu, O.D. Pavel, R. Bîrjega, R. Zăvoianu, G. Costentin, M. Che, “Solid base catalysts obtained from hydrotalcite precursors, for Knoevenagel synthesis of cinamic acid and coumarin derivatives” Applied Catalysis A: General 308 (2006) 13 – 18

23. E. Angelescu, O.D. Pavel, R. Bîrjega, M. Florea, R. Zăvoianu, “The impact of the “memory effect” on the catalytic activity of Mg/Al; Mg,Zn/Al; Mg/Al,Ga hydrotalcite-like compounds used as catalysts for cyclohexene epoxidation”, Applied Catalysis A: General 341 (2008) 50 – 57

24. O.D. Pavel, R. Bîrjega, M. Che, G. Costentin, E. Angelescu, S. Șerban, “The activity of Mg/Al reconstructed hydrotalcites by memory effect in the cyanoethylation reaction”, Catalysis Communications 9 (2008) 1974 – 1978

25. E. Angelescu, R. Ionescu, O.D. Pavel, R. Zăvoianu, R. Bîrjega, C.R. Luculescu, M. Florea, R. Olar, “Epoxidation of cyclohexene with O₂ and isobutyraldehyde catalysed by Cobalt modified hydrotalcites”, Journal of Molecular Catalysis A: General 315 (2010) 178 – 186

26. R. Ionescu, O.D. Pavel, R. Bîrjega, R. Zăvoianu, E. Angelescu, “Epoxidation of cyclohexene with H₂O₂ and acetonitrile catalyzed by Mg-Al hydrotalcite and cobalt modified hydrotalcites”, Catalysis Letters 134 (3 - 4) (2010) 309 – 317

27. O.D. Pavel, R. Zăvoianu, R. Bîrjega, E. Angelescu, “Impact of the memory effect on the catalytic activity of Li-Al hydrotalcite-like compounds for the cyanoethylation reaction”, Materials Research Bulletin 45 (2010) 1106 – 1111

28. R. Zăvoianu, R. Ionescu, O.D. Pavel, R. Bîrjega, E. Angelescu, “Comparison between MeⁿMg/Al hydrotalcites and hydrotalcite - supported Me(II)acetylacetonates (Me(II)=Co, Cu or Ni) catalysts for the epoxidation of cyclohexene with molecular oxygen”, Applied Clay Science 52 (2011) 1 – 10

29. O.D. Pavel, R. Zăvoianu, R. Bîrjega, E. Angelescu, “The effect of aging step elimination on the memory effect presented by Mg_{0.75}Al_{0.25} hydrotalcites (HT) and their catalytic activity for cyanoethylation reaction”, Catalysis Communications 12 (2011) 845 – 850

30. O.D. Pavel, B. Cojocaru, E. Angelescu, V.I. Pârvulescu, “The activity of yttrium-modified Mg,Al hydrotalcites in the epoxidation of styrene with hydrogen peroxide”, Applied Catalysis A: General 403 (2011) 83 – 90

31. E. Angelescu, O.D. Pavel, R. Ionescu, R. Bîrjega, M.E Badea, R. Zăvoianu, “Transition Metal Coordination Polymers MeX₂(4,4'-bipyridine) (Me=Co, Ni, Cu; X=Cl⁻, CH₃OCO⁻, Acetylacetonate) Selective Catalysts for Cyclohexene Epoxidation with Molecular Oxygen and Isobutyraldehyde”, Journal of Molecular Catalysis A: Chemical 352 (2012) 21 – 30

32. R. Zăvoianu, A. Cruceanu, O.D. Pavel, E. Angelescu, A. P. Soares-Dias, R. Bîrjega, “Oxidation of Tert-butanethiol with air using Mo-containing hydrotalcite-like compounds and their derived mixed oxides as catalysts”, Reaction Kinetics, Mechanisms and Catalysis 105 (2012) 145 – 162

33. O.D. Pavel, R. Zăvoianu, R. Bîrjega, E. Angelescu, G. Costentin, M. Che, „Exploring an alternative route formeixnerite synthesis. The impact of the gaseous environment on the reconstruction of the lamellar structure and the catalytic performances.”, Applied Clay Science 104 (2015) 59 – 65

34. O.D. Pavel, R. Zăvoianu, R. Bîrjega, E. Angelescu, V.I. Pârvulescu, „Mechanochemical versus co-precipitated synthesized lanthanum-doped layered materials for olefin oxidation” Applied Catalysis A: General 542 (2017) 10-20

35. Rodica Zavoianu, Ruxandra Bîrjega, Emilian Angelescu, Octavian D. Pavel, „Effect of hydration temperature on the structure reconstruction of Mg-Al-Y layered materials” accepted in Comptes Rendus Chimie; <http://dx.doi.org/10.1016/j.crci.2017.07.002>

Articles published in national journals (ISI)

1. Cl. Nicolau, E. Angelescu, “Electron Spin Resonance investigation on soluble organo-metallic catalysts”, Rev. Roum. de Chimie – Acad. RSR 10 (1965) 27 – 34

2. E. Angelescu, S. Moldovan, “**Étude spectrophotométrique des catalyseur organo-metallique solubles dans les hydrocarbures**”, Rev. Roum. de chimie – Acad. RSR 11 (1966) 541 – 547
3. I.V. Nicolescu, E. Angelescu, “**Études des caractéristiques structurales et semi-conductrices du polyacéthylène stéréoregulier**”, Rev. Roum. de Chimie – Acad. RSR, 12 (1967) 1261 – 1268
4. A. Terlecki, Cl. Nicolau, Al. Cristea, E. Angelescu, I.V. Nicolescu, “**Electron paramagnetic resonance investigation of electron transfer at catalytic surfaces donor and acceptor properties of aluminas**”, Rev. Roum. de Chimie – Acad. RSR, 13 (8) (1968) 997 – 1008
5. E. Angelescu, I. Pârvulescu, “**Dimerizarea selectivă a etenei in alfa-butena catalizata de sisteme organo-metalice**”, Revista de Chimie septembrie (1969) 521 – 524
6. I.V. Nicolescu, V. Paraușeanu, I. Hoge, E. Angelescu, “**Studiul interacțiunii dintre catalizatori și mediul de reacție în procesul de oxidare a p-xilenului în fază lichidă**”, Revista de Chimie 22 (11) (1971) 660 – 664
7. E. Angelescu, M. Ciufan, M. Marin, “**Oxiacetilarea catalitică a etenei**”, Revista de Chimie 26 (9) (1975) 719 – 724
8. E. Angelescu, T. Biscaneanu, I.V. Nicolescu, “**Dimerizarea catalitică selectivă a etenei**”, Revista de Chimie 27 (9) (1976) 745 – 750
9. I.V. Nicolescu, E. Angelescu, A. Uscatu - Morariu, “**Activitatea catalizatorilor oxidici de staniu-stibiu în reacția de dehidrogenare oxidativă a butenelor la butadienă**”, Revista de Chimie 27 (11) (1976) 937 – 940
10. I.V. Nicolescu, E. Angelescu, A. Angelescu, S. Nenciuiescu, “**Dimerizarea catalitică selectivă a etenei. Evaluari termodinamice**”, Revista de Chimie 30 (5) (1979) 411 – 415
11. A. Angelescu, E. Angelescu, I.V. Nicolescu, “**Catalizatori complecși de coordinație pentru dimerizarea selectivă a etenei**”, Revista de Chimie 30 (5) (1979) 523 – 527
12. A. Angelescu, E. Angelescu, S. Nenciuiescu, I. V. Nicolescu, “**Dimerizarea etilenei prin cataliza coordinativă eterogenă**”, Revista de Chimie 32 (6) (1981) 559 – 564
13. A. Angelescu, E. Angelescu, “**Proprietăți fizico-structurale ale catalizatorilor $Ni(C_5H_7O_2)_2 \cdot AlCl(C_2H_5)_2 \cdot P(C_6H_5)_3$ pentru dimerizarea etenei**”, Revista de Chimie 32 (7) (1981) 633 – 638
14. I.V. Nicolescu, E. Angelescu, A. Angelescu, “**Corelații între proprietățile catalitice și cele fizico-structurale ale complecșilor organo-metalici $Ni(C_5H_7O_2)_2 \cdot AlCl(C_2H_5)_2 \cdot P(C_6H_5)_3$** ”, Revista de Chimie 33 (2) (1982) 137 – 142
15. D. Antohi, I. Săndulescu, L. Telescu, J. Herscovici, E. Angelescu, “**Codimerizarea catalitică selectivă a etenei și propenei. Evaluări termodinamice**”, Revista de Chimie 34 (6) (1983) 495 – 500
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