

Pubblicazioni CNR-ITAE (1981-2022)

In questo elenco sono considerate tutte e sole le pubblicazioni in cui almeno uno degli autori compare con affiliazione ITAE.

Nota 1: Per alcuni articoli (#54, #191, #200, #201, #234, #274, #30-2004, #21-2005 e #5-2006) - per i quali esiste anche una versione in lingua russa, oltre a quella in lingua inglese - il numero di citazioni corrisponde al totale delle citazioni raccolte dalle due versioni.

Nota 2: I nominativi "La Rosa Dn" e "La Rosa Dv" sono usati per indicare e distinguere, rispettivamente, Daniela La Rosa da Davide La Rosa. Analogamente, "Cordaro Mn" e "Cordaro Ms" indicano Manuela Cordaro e Massimiliano Cordaro; "Neri Gv" e "Neri Gl" indicano Giovanni Neri e Giulia Neri.

Anno n°	Articolo	Titolo	Autori	Citazioni
1981	p1-1981	Catalytic activity of honeycomb catalysts. 1. The benzene-cyclohexane (de)hydrogenation reaction. Reaction Kinetics and Catalysis Letters, 18 (3-4), 295-299, 1981	Parmaliana A, Crisafulli C, Maggiore R, Bart JCJ, Giordano N	28
	p2-1981	Trasporteremo energia chimica con reazioni chimiche. Tecnologie Chimiche, anno I, n. 6, pp.56-62, 1981	Cacciola G	2
1982	p10-1982	Influence of titanium suboxides on the photoelectrochemical efficiency of oxidized titanium electrodes. Berichte der Bunsen-Gesellschaft für Physikalische Chemie, 86 (7), 681-684, 1982	Antonucci V, Miceli P, Giordano N, Bart JCJ	6
	p11-1982	Mechanism of the oxidation of propene over copper molybdate. Zeitschrift für Physikalische Chemie, Neue Folge, 132, 85-91, 1982	Maggiore R, Galvagno S, Bart JCJ, Giannetto A, Toscano G	15
	p1-1982	Effect of pretreatment in benzene hydrogenation on Pt/nylon catalyst. Reaction Kinetics and Catalysis Letters, 21 (1-2), 157-162,	Galvagno S, Staiti P, Antonucci PL, Giannetto A, Giordano N	11
	p12-1982	Isopropyl alcohol dehydration on zeolitized Lipari pumice. La Chimica e l'Industria, Anno 64 (1), gennaio, 13-17, 1982	Maggiore R, Schembari G, Crisafulli C, Bottari A, Cavallaro S, Solarino L	0
	p13-1982	Mechanisms of n-heptane and n-octane aromatization over platinum-alumina reforming catalyst. Annali di Chimica, 72,	Maggiore R, Galvagno S, Toscano G, Crisafulli C, Spina S	2
	p14-1982	C'è l'idrogeno nel nostro futuro. Tecnologie Chimiche, N. 5/82, pp.28-39, 1982	Giordano N, Ghersini G, Antonucci	
	p2-1982	Hydrothermal synthesis of zeolites from pumice in alkaline and saline environment. Zeolites, 2 (4), 295-298, 1982	Ottanà R, Saija LM, Burriesci N, Giordano N	63
	p3-1982	Utilization of zeolites as soil conditioner in tomato-growing. Zeolites, 2 (4), 271-274, 1982	Valente S, Burriesci N, Cavallaro S, Galvagno S, Zipelli C	45
	p4-1982	Vapor phase Beckmann rearrangement of cyclohexanone oxime over fluorinated alumina catalysts. Reaction Kinetics and Catalysis Letters, 21 (4), 467-472, 1982	Cimino G, Vitarelli P, Alibrandi G, Caristi C, Galvagno S	9
	p5-1982	Ethane and propane hydrogenolysis on Ru catalysts. Journal of the Chemical Society, Faraday Transactions 1: Physical Chemistry in Condensed Phases, 78 (8), 2509-2520, 1982	Galvagno S, Schwank J, Gubitosa G, Tauszik GR	20
	p6-1982	Benzene hydrogenation on nickel/honeycomb catalysts. Reaction Kinetics and Catalysis Letters, 19 (1-2), 155-160, 1982	Parmaliana A, Mezzapica A, Crisafulli C, Galvagno S, Maggiore R, Giordano N	14
	p7-1982	Structure and photoelectrochemical efficiency of oxidized titanium electrodes. International Journal of Hydrogen Energy, 7 (10), 769-774, 1982	Antonucci V, Giordano N, Bart JCJ	31
	p8-1982	Hydrogen spillover effects in the hydrogenation of benzene over Pt/γ-Al ₂ O ₃ catalysts. Journal of Catalysis, 75 (1), 140-150, 1982	Antonucci PL, Van Truong N, Giordano N, Maggiore R	69
	p9-1982	Magnesium oxide as a catalyst support: The influence of chlorine. Applied Catalysis, 3 (2), 131-139, 1982	Leofanti G, Solari M, Tauszik GR, Garbassi F, Galvagno S, Schwank J	46
1983	p10-1983	Iron oxide electrodes for photoelectrolysis of water. International Journal of Hydrogen Energy, 8 (10), 763-766, 1983	Giordano N, Passalacqua E, Antonucci V, Bart JCJ	10
	p11-1983	Characterization of iron distribution in various pumice grades and in the derived zeolites. Bulletin de Minéralogie, 106 (5), 571-584,	Burriesci N, Giordano N, Cariati F, Petrera M, Bart JCJ	8

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p12-1983	Catalytic and reaction engineering aspects in the storage of hydrogen through the reversible dehydrogenation of cyclohexane. Indian Journal of Technology, 21 (9), 398-403, 1983	Giordano N, Cacciola G, Parmaliana A	6
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p14-1983	Catalytic oxydehydrogenation of ethane over Cd-exchanged zeolites. Annali di Chimica, 73, pp.403-410, 1983	Ottanà R, Parmaliana A, Zipelli C, Giordano N	7
p15-1983	Pompe di calore chimiche. 1 Caloria a 210° da 4 a 60°. Tecnologie chimiche, anno 3, n. 3, pp.64-68, 1983	Freni S, Restuccia G, Parmaliana A, Giordano N	
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p2-1983	Catalytic Beckmann rearrangement of cyclohexanone oxime to caprolactam over metal sulfates. Reaction Kinetics and Catalysis Letters, 22 (1-2), 197-202, 1983	Cavallaro S, Caristi C, Cimino G, Maggiore R, Galvagno S	0
p3-1983	Zeolitization of pumice in ash-sodium salt solutions. Materials Chemistry and Physics, 8 (3), 207-216, 1983	Saija LM, Ottanà R, Zipelli C, Burriesci N	41
p4-1983	Influence of temperature on hydrothermal synthesis of zeolites from Lipari pumice. Materials Chemistry and Physics, 8 (4), 305-314, 1983	Burriesci N, Saija LM, Ottanà R, Giordano N, Bart JCJ	5
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p6-1983	Hydrothermal synthesis of zeolites from rhyolitic pumice of different geological origins. Materials Letters, 2 (1), 74-78, 1983	Burriesci N, Crisafulli ML, Saija LM, Polizzotti G	20
p7-1983	Structural changes of Fe/Mo oxide catalysts in redox conditions. Applied Catalysis, 7 (2), 151-158, 1983	Bart JCJ, Burriesci N, Gennaro A, Petrera M	6
p8-1983	Selective hydrogenation of benzoyl chloride over supported palladium catalysts. Reaction Kinetics and Catalysis Letters, 22 (3-4), 383-389, 1983	Poltarzewski Z, Galvagno S, Staiti P, Antonucci PL, Rositani F, Giordano N	1
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1984 p10-1984	Partial hydrogenation of benzene over platinum supported catalysts. Reaction Kinetics and Catalysis Letters, 26 (1-2), 111-	Staiti P, Galvagno S, Antonucci PL, Rositani F, Vitarelli P	7
p11-1984	A TPR and TPO study of bimetallic Ru-Au catalysts. Journal of Molecular Catalysis, 25 (1-3), 357-366, 1984	Tauszik GR, Leofanti G, Galvagno S	32
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p15-1984	Polymer-supported catalysts-selective hydrogenation of acid chlorides over palladium/polyamide. Journal of Chemical Technology & Biotechnology, 34A (8), 416-422, 1984	Cum G, Gallo R, Galvagno S, Spadaro A, Vitarelli P	8
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p5-1984	Hydrothermal synthesis of zeolites from low-cost natural silica-alumina sources. Zeolites, 4 (4), 384-388, 1984	Burriesci N, Crisafulli ML, Giordano N, Bart JCJ, Polizzotti G	45
p6-1984	Influence of iron on the extraction of vanadium from oil ashes. Journal of the Chemical Society, Faraday Transactions 1: Physical Chemistry in Condensed Phases, 80 (7), 1777-1785, 1984	Burriesci N, Corigliano F, Primerano P, Zipelli C, Petrera M	10
p7-1984	Cyclohexane as a liquid phase carrier in hydrogen storage and transport. International Journal of Hydrogen Energy, 9 (5), 411-419, 1984	Cacciola G, Giordano N, Restuccia	103
p8-1984	Valutazione economica su sistemi solari con accumulo applicati all'avicoltura. Energie Alternative HTE, 6 (31), 433-440, 1984	Cacciola G, Restuccia G, Freni S	
p9-1984	A kinetic study of low temperature hydrogenation of benzene over monolithic-supported platinum catalyst. Applied Catalysis, 12, pp.49-57, 1984	Parmaliana A, El Sawi M, Fedele U, Giordano G, Frusteri F, Mento G, Giordano N	12
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p1-1985	X-ray scattering structural investigation of Pt and Pt-Sn catalysts supported on nylon. Journal of the Chemical Society, Faraday Transactions 1: Physical Chemistry in Condensed Phases, 81 (2), 321-333, 1985	Cocco G, Enzo S, Galvagno S, Poltarzewski Z, Pietropaolo R	22
p12-1985	Structural characterization of Fe/Ti oxide photocatalysts by X-ray, ESR and Mössbauer methods. Journal of Solid State Chemistry, 56 (2), 182-190, 1985	Cordischi D, Burriesci N, D'Alba F, Petrera M, Polizzotti G, Schiavello M	89
p13-1985	Mössbauer studies on industrial catalysts. La Chimica e l'Industria, Anno 67, 494-499, 1985	Burriesci N, Petrera M, Gennaro A	4
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p8-1985	Zeolitization of perlite. Materials Letters, 3 (7-8), 302-307, 1985	Antonucci PL, Crisafulli ML, Giordano N, Burriesci N	20
p9-1985	Temperature-programmed reduction. Metal-support interaction on supported monometallic Ru and Cu catalysts. Journal of Thermal Analysis, 30 (3), 611-618, 1985	Galvagno S, Crisafulli C, Maggiore R, Tauszik GR, Giannetto A	27
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p11-1986	Accumulo di calore a media e bassa temperatura mediante nuovi sistemi di sali idrati. Energie Alternative HTE, Anno 8, 41, 209-216, 1986	Vaccarino C, Frusteri F, Parmaliana A	
p1-1986	Solar energy storage for zootechnic applications. Applied Energy, 25 (4), 309-314, 1986	Restuccia G, Freni S, Cacciola G	0
p12-1986	Photoelectrochemical behaviour of mixed TiNb oxides electrodes: I. Influence of ZPC on the FBP value and mechanism of O ₂ evolution. Solar Energy Materials, 14, 483-498, 1986	Antonucci V, Passalacqua E, Antonucci PL, Giordano N	3
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p14-1986	Iron-free zeolites from Lipari pumice. Zeolites, 6 (2), 119-124,	Burriesci N, Crisafulli ML, Giordano N, Antonucci PL	9
p15-1986	Selective hydrogenation of α - β unsaturated aldehydes to give unsaturated alcohols over platinum-germanium catalysts. Journal of the Chemical Society, Chemical Communications, n. 23, 1729-1731, 1986	Galvagno S, Poltarzewski Z, Donato A, Neri Gv, Pietropaolo R	41
p16-1986	Catalytic aspects in fuel cell technology. Chemical Age of India, 37 (5), 345-350, 1986	Antonucci PL, Romeo F, Minutoli M, Antonucci V, Giordano N	2
p17-1986	A kinetic study of cyclohexane dehydrogenation on Pt-monolithic catalyst. Journal of Chemical Technology & Biotechnology, 36 (3), 122-128, 1986	El Sawi M, Frusteri F, Parmaliana A, Formisano B, Giordano N	2
p2-1986	Chemical processes for energy storage and transmission. Applied Energy, Vol. 25, 315-337, 1986	Cacciola G, Giordano N	14
p3-1986	Hydrogenation of α , β unsaturated aldehydes over Pt-Sn/nylon. Journal of Catalysis, 102, 190-198, 1986	Poltarzewski Z, Galvagno S, Pietropaolo R, Staiti P	248
p4-1986	On the induction period in the transformation of methanol over ZSM catalyst. Annali di Chimica, 76, 483-493, 1986	Maggiore R, Galvagno S, Crisafulli C, Giannetto A	1
p5-1986	An ESCA study of platinum-tin supported on nylon. Gazzetta chimica italiana, 116, 265-270, 1986	Galvagno S, Munro HS, Pietropaolo R, Poltarzewski Z, Recca A	3
p6-1986	Dispersy effect of platinum supported on honeycomb carrier on its activity in benzene hydrogenation. Reaction Kinetics and Catalysis Letters, 32 (1), 199-204, 1986	Parmaliana A, Alekseev OS, Nesterov GA, Ryndin YA, Giordano N	1
p7-1986	Liquid phase hydrogenations over platinum-tin catalysts. Journal of Molecular Catalysis, 35, 365-373, 1986	Galvagno S, Poltarzewski Z, Donato A, Neri Gv, Pietropaolo R	72
p8-1986	Thermally oxidized iron electrodes for photoelectrochemical application. Berichte der Bunsen-Gesellschaft für Physikalische Chemie, 90, 828-833, 1986	Antonucci V, Passalacqua E, Giordano N	3
p9-1986	The microstructure of bimetallic Ru-Cu/SiO ₂ catalysts: a chemisorption and analytical electron microscopy study. Journal of Catalysis, 100 (2), 446-457, 1986	Shastri AG, Schwank J, Galvagno S	31
1987 1	Infrared analysis of carbon blacks. Carbon, 25 (3), 325-332, 1987	Rositani F, Antonucci PL, Minutoli M, Giordano N, Villari A	100
10	Zeolitization of perlite: a prospective route. Industrial Minerals, 83-95, September, 1987	Giordano N, Recupero V, Pino L, Bart JCJ	23

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2	Alkylation of toluene with methanol on zeolites. The role of electronegativity on the chain or ring alkylation. Zeolites, 7, 131-134, 1987	Giordano N, Pino L, Cavallaro S, Vitarelli P, Rao BS	69
3	Low temperature latent heat storage with quasi-eutectic mixtures containing Ca(NO ₃) ₂ ·4H ₂ O. Journal of Solar Energy Engineering - Transactions of the ASME, Vol.109, 176-178, 1987	Vaccarino C, Cali V, Parmaliana A, Frusteri F	3
4	Thermal energy recovery and storage by a sulphuric acid-water process. Resources and Conservation, Vol.15, 191-203, 1987	Freni S, Recupero V, Cacciola G	0
5	Chemical heat pump using heat of reversible catalytic reactions. International Journal of Energy Research, 11 (4), 519-529, 1987	Cacciola G, Anikeev V, Recupero V, Kirillov V, Parmon VN	28
6	Alkylation of toluene with methanol III: Para-selectivity on modified ZSM-5 zeolites. Zeolites, 7, 408-411, 1987	Cavallaro S, Pino L, Tsiakaras P, Giordano N, Rao BS	39
7	Pompe di calore ad adsorbimento di vapor d'acqua su zeolite. La Termotecnica, pp.23-30, Gennaio, 1987	Cacciola G, Recupero V, Restuccia	5
9	TiO ₂ based photoelectrodes in photoelectrochemical cells: performance and mechanism of O ₂ evolution. International Journal of Hydrogen Energy, 12 (5), 305-313, 1987	Antonucci V, Passalacqua E, Giordano N	16
A19	Nitrobenzene hydrogenation on Pt-Sn catalysts. Journal of Molecular Catalysis, 42 (3), 379-387, 1987	Galvagno S, Donato A, Neri Gv, Pietropaolo R, Poltarzewski Z	61
A9	Platinum reforming catalysts: effect of chlorine content on coking and catalyst self-regeneration. Studies in Surface Science and Catalysis, 34, 197-208, 1987	Parmaliana A, Frusteri F, Nesterov GA, Paukshtis E, Giordano N	9
1988 15	Identification of zeolites for heat transformer, chemical heat pump and cooling systems. International Journal of Energy Research, 12 (1), 101-111, 1988	Restuccia G, Cacciola G, Quagliata	25
16	Electrochemical corrosion behavior of carbon black in phosphoric acid. Carbon, 26 (2), 197-203, 1988	Antonucci PL, Romeo F, Minutoli M, Alderucci V, Giordano N	72
17	The role of chlorine in the regeneration by hydrogen of coked reforming catalysts. Journal of Catalysis, 111, 235-242, 1988	Parmaliana A, Frusteri F, Mezzapica A, Giordano N	15
18	Coked reforming catalysts: self-regeneration by residual hydrogen. Reaction Kinetics and Catalysis Letters, 36 (1), 39-46, 1988	Frusteri F, Tsiakaras P, Parmaliana A, Mezzapica A, Giordano N	4
19	Prospects for industrial exploitation of pumice for synthesis of zeolites. La Chimica e l'Industria, Anno 70 (1-2), 66-69, 1988	Recupero V, Pino L, Giordano N, Triscari M	1
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21	Zeolite heat pump for domestic heating. Energy, 13 (4), 333-342, 1988	Restuccia G, Recupero V, Cacciola G, Rothmeyer M	49
22	Influenza delle zeoliti naturali (tufo campano) sulla produzione del Gladiolus ibridi di primulinus. Agricoltura e Ricerca, N.84, pp.11-16, 1988	Recupero V, Pino L	0
23	Paraselectivity in borosilicate zeolite in the alkylation of toluene with methanol. Annali di Chimica, 78, 575-584, 1988	Pino L, Giordano N, Cavallaro S, Rao BS, Tsiakaras P, Vitarelli P	0
24	Analisi energetica della provincia di Ragusa. Energie Alternative HTE, anno 10, n.54, pp.293-300, 1988	Cacciola G, Restuccia G	
25	Out of the cell performance of reforming catalysts for direct molten carbonate fuel cell (DMCFC). International Journal of Hydrogen Energy, 13 (12), 729-734, 1988	Parmaliana A, Frusteri F, Tsiakaras P, Giordano N	7
26	Rh/nylon catalysts for partial hydrogenation of benzene to cyclohexene. Reaction Kinetics and Catalysis Letters, 37 (2), 443-449, 1988	Galvagno S, Donato A, Neri Gv, Pietropaolo D, Staiti P	15

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29	Performance and endurance of a molten carbonate fuel cell at 923 K. International Journal of Hydrogen Energy, 14 (5), 339-343,	Giordano N, Freni S, Cavallaro S, Carbonaro P	5
30	A comparative analysis of structural and surface effects in the electrochemical corrosion of carbons. Materials Chemistry and Physics, 21 (5), 495-506, 1989	Antonucci PL, Pino L, Giordano N, Pinna G	44
31	Activity and characterization of alkali doped Ni/MgO catalysts. Studies in Surface Science and Catalysis, 48, 739-748, 1989	Parmaliana A, Frusteri F, Arena F, Mondello N, Giordano N	10
32	Parameter estimation in the kinetic model of methylcyclohexane dehydrogenation on a Pt-Al ₂ O ₃ catalyst by sequential experiment design. Chemical Engineering Journal, 42, 137-144, 1989	El Sawi M, Infortuna FA, Lignola PG, Parmaliana A, Frusteri F, Giordano N	21
33	Activity and surface composition of sputter-deposited Pt/γ-Al ₂ O ₃ catalysts. Materials Science and Engineering A: Structural Materials, 116, 65-70, 1989	Licciardello A, Iacona F, Pignataro S, Parmaliana A, Frusteri F, Giordano N	0
34	The effect of reduction on the adsorptive behaviour of the TiO ₂ /water interface. Adsorption Science & Technology, 6 (2), 52-63, 1989	Antonucci V, Aricò AS, Giordano N, Antonucci PL	2
36	Celle a combustione [sic]. Contro la crisi energetica. Tecnologie Chimiche, (11), 150-157, 1989	Freni S, Cavallaro S, Giordano N	
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38	Structural modification of a spent molten carbonate fuel cell (MCFC). Journal of Applied Electrochemistry, 20, 804-810, 1990	Freni S, Giordano N, Cavallaro S	9
39	Morphological changes in the electrodes of phosphoric acid fuel cells operating under open circuit voltage conditions. Journal of Applied Electrochemistry, 20, 235-239, 1990	Alderucci V, Passalacqua E, Giordano N, Antonucci PL, Parmigiani F, Ricci N	9
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