

Formation of gas-phase methyl radicals over magnesium

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of ethylene and ethane by partial oxidation of methane over lithium-doped magnesium oxide. Nature, 1985, 314, 721-722.	27.8	533
3	Photoelectron spectroscopy: a strategy for the study of reactions at solid surfaces. International Reviews in Physical Chemistry, 1986, 5, 57-87.	2.3	22
4	Oxidative Dimerization of Methane over Promoted Magnesium Oxide Catalysts. Important Factors. Chemistry Letters, 1986, 15, 1165-1168.	1.3	58
5	Generation of ground electronic state haloalkyl radicals in the gas phase. International Journal of Chemical Kinetics, 1986, 18, 639-649.	1.6	16
6	Kinetic studies on partial oxidation of methane over samarium oxides. Inorganica Chimica Acta, 1986, 121, 237-241.	2.4	98
7	Specific role of transient $O_2^-(s)$ at Mg(0001) surfaces in activation of ammonia by dioxygen and nitrous oxide. Nature, 1986, 319, 206-208.	27.8	62
8	Active and selective catalysts for the synthesis of C_2H_4 and C_2H_6 via oxidative coupling of methane. Journal of Catalysis, 1986, 100, 353-359.	6.2	335
9	Surface-Generated Gas-Phase Radicals: Formation, Detection, and Role in Catalysis. Advances in Catalysis, 1987, , 139-186.	0.2	64
10	The Role of $[M+O_2^-]$ Centers ($M=$ Group IA Ion) in the Activation of Methane on Metal Oxides. Materials Research Society Symposia Proceedings, 1987, 111, 305.	0.1	3
11	Deactivation of Alkali Promoted Magnesia in Oxidative Coupling of Methane. Studies in Surface Science and Catalysis, 1987, , 183-195.	1.5	22
12	Peroxide Anions as Possible Active Species in Oxidative Coupling of Methane. Chemistry Letters, 1987, 16, 77-80.	1.3	83
13	Adsorption of Na atoms and oxygen-containing molecules on MgO(100) and (111) surfaces. Surface Science, 1987, 191, 479-491.	1.9	256
14	Prospects for the direct conversion of light alkanes to petrochemical feedstocks and liquid fuels - a review. Applied Catalysis, 1987, 32, 1-22.	0.8	136
15	Catalysis in Combustion. Catalysis Reviews - Science and Engineering, 1987, 29, 219-267.	12.9	427
16	Oxidative catalytic methane conversion. Catalysis Today, 1987, 1, 357-363.	4.4	12
17	Free radical processes in heterogeneous oxidation catalysis. Reaction Kinetics and Catalysis Letters, 1987, 35, 315-326.	0.6	15
18	Knoevenagel, Wittig and Wittig-Horner reactions in the presence of magnesium oxide or zinc oxide.. Tetrahedron, 1987, 43, 537-542.	1.9	140
19	A study of the oxidative coupling and total oxidation of methane over supported antimony oxide catalyst. Catalysis Today, 1988, 3, 137-150.	4.4	10

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21	Oxidative dimerization of methane over sodium-promoted calcium oxide. Journal of Catalysis, 1988, 111, 302-316.	6.2	160
22	Oxidative coupling of methane over antimony-based catalysts. Journal of Catalysis, 1988, 112, 168-175.	6.2	34
23	Activation and oxidative dimerization of methane over lithium-promoted zinc oxide. Journal of Catalysis, 1988, 112, 366-374.	6.2	85
24	Oxidative coupling of methane over Na ⁺ - and Rb ⁺ -doped MgO catalysts. Journal of Catalysis, 1988, 113, 25-35.	6.2	95
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31	Direct Conversion of Methane to Methanol and Higher Hydrocarbons. Studies in Surface Science and Catalysis, 1988, 36, 359-371.	1.5	3
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37	Oxidative dehydrogenation of ethane over a lithium-promoted magnesium oxide catalyst. Journal of Catalysis, 1989, 118, 255-265.	6.2	197

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39	Oxidative dimerization of CH ₄ /CD ₄ mixtures: Evidence for methyl intermediate. Catalysis Letters, 1989, 2, 361-368.	2.6	47
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49	Oxidative Conversion of Methane and C ₂ Hydrocarbons on Oxides: Homogeneous versus Heterogeneous Processes. Applied Catalysis, 1989, 47, 287-297.	0.8	57
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70	The catalytic conversion of methane to higher hydrocarbons. <i>Catalysis Today</i> , 1990, 6, 235-259.	4.4	286
71	The role of heterogeneous reactions during the oxidative coupling of methane over Li/MgO catalysts. <i>Catalysis Today</i> , 1990, 6, 497-502.	4.4	9
72	Oxidative coupling of methane with participation of oxide catalyst lattice oxygen. <i>Catalysis Today</i> , 1990, 6, 543-549.	4.4	38
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