## Activation and catalytic transformation of methane uno

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Citation Report

#	Article	IF	CITATIONS
1	Visibleâ€Lightâ€Induced, Singleâ€Metalâ€Catalyzed, Directed Câ^'H Functionalization: Metalâ€Substrateâ€Bounc Complexes as Lightâ€Harvesting Agents. Angewandte Chemie, 2022, 134, .	<sup>1</sup> 1.6	2
2	Visibleâ€Lightâ€Induced, Singleâ€Metalâ€Catalyzed, Directed Câ^'H Functionalization: Metalâ€Substrateâ€Bound Complexes as Lightâ€Harvesting Agents. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
3	Gold nanoparticles selectively convert CH4 to oxygenates by using O2. Chem Catalysis, 2022, 2, 436-438.	2.9	1
4	Photocatalytic Chlorination of Methane Using Alkali Chloride Solution. ACS Catalysis, 2022, 12, 7004-7013.	5.5	9
5	Application of defective TiO2 inverse opal in photocatalytic non-oxidative CH4 coupling. Research on Chemical Intermediates, 2022, 48, 3247-3258.	1.3	3
6	Singly dispersed Ir1Ti3 bimetallic site for partial oxidation of methane at high temperature. Applied Surface Science, 2022, 599, 153863.	3.1	11
7	Selective oxidation of CH <sub>4</sub> to valuable HCHO over a defective rTiO <sub>2</sub> /GO metal-free photocatalyst. Catalysis Science and Technology, 2022, 12, 5869-5878.	2.1	0
8	Direct photocatalytic conversion of methane to value-added chemicals. Trends in Chemistry, 2022, 4, 1094-1105.	4.4	14
9	Photocatalytic oxidation of CH4 to oxygenates on Fe(III)O /ZnO. Journal of Fuel Chemistry and Technology, 2022, 50, 1160-1166.	0.9	0
10	Identifying the Metallic State of Rh Catalyst on Boron Nitride during Partial Oxidation of Methane by Using the Product Molecule as the Infrared Probe. Catalysts, 2022, 12, 1146.	1.6	6
11	Highly Efficient and Selective Photocatalytic Nonoxidative Coupling of Methane to Ethylene over Pd-Zn Synergistic Catalytic Sites. Research, 2022, 2022, .	2.8	4
12	Current Progress on Methods and Technologies for Catalytic Methane Activation at Low Temperatures. Advanced Science, 2023, 10, .	5.6	10
13	Selective Oxidation of Methane to Oxygenates Using Oxygen via Tandem Catalysis. Chemistry - A European Journal, 0, , .	1.7	1
14	Integrated <i>in situ</i> spectroscopic studies on syngas production from partial oxidation of methane catalyzed by atomically dispersed rhodium cations on ceria. Physical Chemistry Chemical Physics, 0, , .	1.3	1
15	Oxidative carbonylation of methane to acetic acid on an Fe-modified ZSM-5 zeolite. Applied Catalysis B: Environmental, 2023, 329, 122549.	10.8	7
16	In- and Ga-oxo clusters/hydrides in zeolites: speciation and catalysis for light-alkane activations/transformations. Physical Chemistry Chemical Physics, 2023, 25, 10211-10230.	1.3	3
17	Research progress in catalytic oxidation of methane to methanol under mild conditions. Scientia Sinica Chimica, 2023, , .	0.2	0
18	Synergetic C–H bond activation and C–O formation on CuOx facilities facile conversion of methane to methanol. Applied Surface Science, 2023, 627, 157283.	3.1	1

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26	Cocatalysts in photocatalytic methane conversion: recent achievements and prospects. Science China Chemistry, 2023, 66, 2532-2557.	4.2	3
30	Methane activation by [LnO]+: the 4f orbital matters. Science China Chemistry, 0, , .	4.2	0