

Anne M Gaffney

List of Publications by Year in descending order

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33
papers

995
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471509

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37
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974
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinel oxides as coke-resistant supports for NiO-based oxygen carriers in chemical looping combustion of methane. <i>Catalysis Today</i> , 2023, 424, 112462.	4.4	9
2	Evaluation and analysis of ethylene production using oxidative dehydrogenation. <i>Catalysis Today</i> , 2021, 369, 203-209.	4.4	16
3	Idaho National Laboratory's Advanced Design and Manufacturing Initiative. <i>Catalysis Today</i> , 2021, 363, 67-72.	4.4	0
4	A novel process for the upcycling of waste polyolefins to high-value fuels and chemicals. <i>Chem Catalysis</i> , 2021, 1, 253-254.	6.1	1
5	Identification of opportunities for integrating chemical processes for carbon (dioxide) utilization to nuclear power plants. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111450.	16.4	10
6	Toward Concurrent Engineering of the M1-Based Catalytic Systems for Oxidative Dehydrogenation (ODH) of Alkanes. <i>Topics in Catalysis</i> , 2020, 63, 1667-1681.	2.8	6
7	Recent Advances in Intensified Ethylene Production—A Review. <i>ACS Catalysis</i> , 2019, 9, 8592-8621.	11.2	227
8	Ethylene production via Oxidative Dehydrogenation of Ethane using M1 catalyst. <i>Catalysis Today</i> , 2017, 285, 159-165.	4.4	55
9	Process economics and safety considerations for the oxidative dehydrogenation of ethane using the M1 catalyst. <i>Catalysis Today</i> , 2017, 298, 138-144.	4.4	34
10	Characterization of MoVTeNbO _x Catalysts during Oxidation Reactions Using In Situ/Operando Techniques: A Review. <i>Catalysts</i> , 2017, 7, 109.	3.5	17
11	Techno-Economic Analysis of Oxidative Dehydrogenation Options. <i>Topics in Catalysis</i> , 2016, 59, 1573-1579.	2.8	31
12	The New ChemPren Process for the Conversion of Waste Plastic to Chemicals and Fuel. <i>Topics in Catalysis</i> , 2014, 57, 1412-1418.	2.8	5
13	New molecular basket sorbents for CO ₂ capture based on mesoporous sponge-like TUD-1. <i>Catalysis Today</i> , 2014, 238, 95-102.	4.4	28
14	Perspectives of spray pyrolysis for facile synthesis of catalysts and thin films: An introduction and summary of recent directions. <i>Catalysis Today</i> , 2014, 238, 87-94.	4.4	37
15	Techniques for Fabricating Nanoscale Catalytic Circuits. <i>Topics in Catalysis</i> , 2008, 49, 167-177.	2.8	3
16	Needle in a haystack catalysis. <i>Applied Catalysis A: General</i> , 2008, 341, 86-92.	4.3	20
17	Preparation of Multicomponent Metal Oxides Using Nozzle Spray and Microwaves. <i>Advanced Functional Materials</i> , 2007, 17, 2572-2579.	14.9	14
18	Combining TAP-2 experiments with atomic beam deposition of Pd on quartz particles. <i>Catalysis Today</i> , 2007, 121, 170-186.	4.4	12

#	ARTICLE	IF	CITATIONS
19	Probe Molecule Chemisorption~Low Energy Ion Scattering Study of Surface Active Sites Present in the Orthorhombic Mo~V~(Te~Nb)~O Catalysts for Propane (Amm)oxidation. Journal of Physical Chemistry B, 2006, 110, 6129-6140.	2.6	36
20	Surface active sites present in the orthorhombic M1 phases: low energy ion scattering study of methanol and allyl alcohol chemisorption over Mo~V~Te~Nb~O and Mo~V~O catalysts. Topics in Catalysis, 2006, 38, 41-50.	2.8	37
21	Recent advances in fuel processing catalysts for fuel cell applications. Catalysis Today, 2005, 99, 255-256.	4.4	3
22	Characterization and catalytic studies of PVD synthesized Mo/V/Nb/Te oxide catalysts. Journal of Catalysis, 2005, 229, 12-23.	6.2	18
23	TAP Vacuum Pulse-Response and Normal-Pressure Studies of Propane Oxidation over MoVTeNb Oxide Catalysts. Industrial & Engineering Chemistry Research, 2005, 44, 6310-6319.	3.7	15
24	A Study of the Surface Region of the Mo~V~Te~O Catalysts for Propane Oxidation to Acrylic Acid. Journal of Physical Chemistry B, 2005, 109, 10234-10242.	2.6	53
25	Roles of Surface Te, Nb, and Sb Oxides in Propane Oxidation to Acrylic Acid over Bulk Orthorhombic Mo~V~O Phase. Journal of Physical Chemistry B, 2005, 109, 24046-24055.	2.6	48
26	Natural Gas: Fuel or Feedstock. Studies in Surface Science and Catalysis, 1994, 81, 93-101.	1.5	24
27	Coke formation on ZSM-5 zeolites: Evidence from NMR spectrometry of sorbed xenon gas. Journal of Catalysis, 1991, 128, 520-525.	6.2	31
28	Catalytic oxidative coupling of methane over sodium-promoted Mn/SiO2 and Mn/MgO. Catalysis Today, 1988, 3, 127-135.	4.4	80
29	Oxidative coupling of methane over sodium promoted praseodymium oxide. Journal of Catalysis, 1988, 114, 422-432.	6.2	92
30	Oxidative Coupling of Methane to Higher Hydrocarbons Over Sodium-Promoted Manganese Oxide on Silica and Magnesia. Studies in Surface Science and Catalysis, 1988, 38, 523-529.	1.5	7
31	Heterogeneous catalyst for alcohol oxycarbonylation to dialkyl oxalates. Journal of Catalysis, 1984, 90, 261-269.	6.2	15
32	Bromide ion promoted .beta.-elimination in .alpha.-bromo ester substrates. Evidence for an intermediate in the E2C reaction. Journal of Organic Chemistry, 1983, 48, 4502-4508.	3.2	5
33	Amine base promoted .beta.-elimination in .alpha.-bromo ester substrates. Evidence for permutational isomerism in the TBP carbon intermediate. Journal of Organic Chemistry, 1983, 48, 4509-4513.	3.2	6