Franck Dumeignil

List of Publications by Year
in descending order

179	7,089	70961 41	71532 76
papers	citations	h-index	g-index

195	195	195	6681
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micro-/mesopores confined ultrasmall Cu nanoparticles in SBA-15 as a highly efficient and robust catalyst for furfural hydrogenation to furfuryl alcohol. Applied Catalysis A: General, 2022, 633, 118527.	2.2	14
2	Strengthening the Connection between Science, Society and Environment to Develop Future French and European Bioeconomies: Cutting-Edge Research of VAALBIO Team at UCCS. Molecules, 2022, 27, 3889.	1.7	3
3	Production of styrene by dehydrogenation of ethylbenzene on a [Re, W]/Î³-Al2O3 (K, Ce)/Î±-Al2O3 porous ceramic catalytic converter. Chemical Engineering and Processing: Process Intensification, 2021, 160, 108265.	1.8	10
4	Hybrid Conversion of <i>5</i>â€Hydroxymethylfurfural to <i>5</i>â€Aminomethylâ€<i>2</i>â€furancarboxylic acid: Toward New Bioâ€sourced Polymers. ChemCatChem, 2021, 13, 247-259.	1.8	16
5	Efficient non-noble Niâ€“Cu based catalysts for the valorization of palmitic acid through a decarboxylation reaction. Catalysis Science and Technology, 2021, 11, 3025-3038.	2.1	5
6	Catalytic Production of Glycolic Acid from Glycerol Oxidation: An Optimization Using Response Surface Methodology. Catalysts, 2021, 11, 257.	1.6	8
7	Investigating the active phase of Ca-based glycerol polymerization catalysts: On the importance of calcium glycerolate. Molecular Catalysis, 2021, 507, 111571.	1.0	10
8	Selective Oxidation of Isobutane to Methacrylic Acid and Methacrolein: A Critical Review. Catalysts, 2021, 11, 769.	1.6	8
9	The importance of the shape of Cu2O nanocrystals on plasmon-enhanced oxygen evolution reaction in alkaline media. Electrochimica Acta, 2021, 390, 138810.	2.6	11
10	Optimisation of catalysts coupling in multi-catalytic hybrid materials: perspectives for the next revolution in catalysis. Green Chemistry, 2021, 23, 1942-1954.	4.6	18
11	Enhancing the activity of gold supported catalysts by oxide coating: towards efficient oxidations. Green Chemistry, 2021, 23, 8453-8457.	4.6	19
12	Calcium Hydroxyapatite: A Highly Stable and Selective Solid Catalyst for Glycerol Polymerization. Catalysts, 2021, 11, 1247.	1.6	8
13	Supported Rb- or Cs-containing HPA catalysts for the selective oxidation of isobutane. Applied Catalysis A: General, 2021, 628, 118400.	2.2	9
14	Liquid Phase Furfural Oxidation under Uncontrolled pH in Batch and Flow Conditions: The Role of In Situ Formed Base. Catalysts, 2020, 10, 73.	1.6	23
15	5-Hydroxymethylfurfural and Furfural Base-Free Oxidation over AuPd Embedded Bimetallic Nanoparticles. Catalysts, 2020, 10, 75.	1.6	15
16	Improving the synthesis of Zn-Ta-TUD-1 for the Lebedev process using the Design of Experiments methodology. Applied Catalysis A: General, 2020, 591, 117386.	2.2	13
17	Alkaline-Based Catalysts for Glycerol Polymerization Reaction: A Review. Catalysts, 2020, 10, 1021.	1.6	16
18	Chitosan as a sustainable precursor for nitrogen-containing carbon nanomaterials: synthesis and uses. Materials Today Sustainability, 2020, 10, 100053.	1.9	35

#	Article	IF	Citations
19	The various levels of integration of chemo- and bio-catalysis towards hybrid catalysis. Catalysis Science and Technology, 2020, 10, 7082-7100.	2.1	27
20	Open Bioeconomyâ€"A Bibliometric Study on the Accessibility of Articles in the Field of Bioeconomy. Publications, 2020, 8, 55.	1.9	7
21	Passing the Frontiers of Liquidâ€Phase Glycerol Partial Oxidation over Supported Bimetallic Catalysts. Advanced Sustainable Systems, 2020, 4, 2000002.	2.7	0
22	Plasmon-enhanced electrocatalytic oxygen reduction in alkaline media on gold nanohole electrodes. Journal of Materials Chemistry A, 2020, 8, 10395-10401.	5.2	12
23	Ethanol-to-butadiene: the reaction and its catalysts. Catalysis Science and Technology, 2020, 10, 4860-4911.	2.1	100
24	Lactic Acid Conversion to Acrylic Acid Over Fluoride-Substituted Hydroxyapatites. Frontiers in Chemistry, 2020, 8, 421.	1.8	15
25	Synthesis of 1,3-Butadiene from 1-Butanol on a Porous Ceramic [Fe,Cr]/Î³-Al2O3(K,Ce)/Î±-Al2O3 Catalytic Converter. Kinetics and Catalysis, 2020, 61, 390-404.	0.3	5
26	Probing Functionalities and Acidity of Calcined Phenylene-Bridged Periodic Mesoporous Organosilicates Using Dynamic Nuclear Polarization NMR, Diffuse Reflectance Infrared Fourier Transform Spectroscopy, and X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 6110-6120.	1.5	1
27	Hydroconversion of 5â€Hydroxymethylfurfural to 2,5â€Dimethylfuran and 2,5â€Dimethyltetrahydrofuran over Nonâ€promoted Ni/SBAâ€15. ChemCatChem, 2020, 12, 2050-2059.	1.8	41
28	Efficient Oxidative Esterification of Furfural Using Au Nanoparticles Supported on Group 2 Alkaline Earth Metal Oxides. Catalysts, 2020, 10, 430.	1.6	21
29	Properties and activity of Znâ€"Ta-TUD-1 in the Lebedev process. Green Chemistry, 2020, 22, 2558-2574.	4.6	17
30	Dehydrogenation of Cumene to Î±-Methylstyrene on [Re,W]/Î³-Al2O3(K,Ce)/Î±-Al2O3 and [Fe,Cr]/Î³-Al2O3(K,Ce)/Î±-Al2O3 Porous Ceramic Catalytic Converters. Petroleum Chemistry, 2020, 60, 1268-1283.	0.4	8
31	Catalytic decarboxylation of fatty acids to hydrocarbons over nonâ€noble metal catalysts: the state of the art. Journal of Chemical Technology and Biotechnology, 2019, 94, 658-669.	1.6	25
32	Isoprene Formation from Isoamyl Alcohol in Microchannels of a Converter Modified with Nanoscale Catalytic Ironâ€"Chromium-Containing Systems. Petroleum Chemistry, 2019, 59, 405-411.	0.4	3
33	Influence of the structure of trigonal Mo-V-M3rd oxides (M3rdâ€‰=â€‰-, Fe, Cu, W) on catalytic performances in selective oxidations of ethane, acrolein, and allyl alcohol. Applied Catalysis A: General, 2019, 584, 117151.	2.2	9
34	Vanadium-based highly active and selective catalysts for oxidative dehydrogenation of ethyl lactate to ethyl pyruvate. Applied Catalysis A: General, 2019, 587, 117246.	2.2	12
35	Plasmon-Induced Electrocatalysis with Multi-Component Nanostructures. Materials, 2019, 12, 43.	1.3	17
36	Preparation of nickel (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds using melt infiltration. Catalysis Today, 2019, 334, 48-58.	2.2	26

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37	The production of 1,3-butadiene from bio-1-butanol over Re-W/Î±-Al2O3 porous ceramic converter. Catalysis Communications, 2019, 128, 105714.	1.6	11
38	Catalytic Dehydration of Glycerol to Acrolein in a Two-Zone Fluidized Bed Reactor. Frontiers in Chemistry, 2019, 7, 127.	1.8	15
39	Glycerol to Glyceraldehyde Oxidation Reaction Over Pt-Based Catalysts Under Base-Free Conditions. Frontiers in Chemistry, 2019, 7, 156.	1.8	24
40	Extending Catalyst Life in Glycerol-to-Acrolein Conversion Using Non-thermal Plasma. Frontiers in Chemistry, 2019, 7, 108.	1.8	6
41	Au-based bimetallic catalysts: how the synergy between two metals affects their catalytic activity. RSC Advances, 2019, 9, 29888-29901.	1.7	29
42	Thermoplasmonic-induced energy-efficient catalytic oxidation of glycerol over gold supported catalysts using visible light at ambient temperature. Applied Catalysis A: General, 2019, 572, 9-14.	2.2	10
43	Transformation of dl Limonene into Aromatic Compounds Using Supported Heteropolyacid Catalysts. Catalysis Letters, 2019, 149, 328-337.	1.4	13
44	Glycerol Partial Oxidation over Pt/Al₂O₃ Catalysts under Basic and Baseâ€Free Conditionsâ€"Effect of the Particle Size. JAOCS, Journal of the American Oil Chemists' Society, 2019, 96, 63-74.	0.8	7
45	An Alternative to the Cymenes Production from Scrap Tire Rubber Using Heteropolyacid Catalysts. Waste and Biomass Valorization, 2019, 10, 3057-3069.	1.8	13
46	Deeper Mechanistic Insight into Ru Pincer-Mediated Acceptorless Dehydrogenative Coupling of Alcohols: Exchanges, Intermediates, and Deactivation Species. ACS Catalysis, 2018, 8, 4719-4734.	5.5	64
47	Dehydration of Lactic Acid: The State of The Art. ChemBioEng Reviews, 2018, 5, 34-56.	2.6	27
48	Design of a multi-well plate for high-throughput characterization of heterogeneous catalysts by XRD, FT-IR, Raman and XRF spectroscopies. RSC Advances, 2018, 8, 40912-40920.	1.7	4
49	From sequential chemoenzymatic synthesis to integrated hybrid catalysis: taking the best of both worlds to open up the scope of possibilities for a sustainable future. Catalysis Science and Technology, 2018, 8, 5708-5734.	2.1	46
50	From a Sequential Chemo-Enzymatic Approach to a Continuous Process for HMF Production from Glucose. Catalysts, 2018, 8, 335.	1.6	14
51	How Catalysts and Experimental Conditions Determine the Selective Hydroconversion of Furfural and 5-Hydroxymethylfurfural. Chemical Reviews, 2018, 118, 11023-11117.	23.0	585
52	Ru/Mn Ce1O catalysts with enhanced oxygen mobility and strong metal-support interaction: Exceptional performances in 5-hydroxymethylfurfural base-free aerobic oxidation. Journal of Catalysis, 2018, 368, 53-68.	3.1	121
53	Influence of Support Basic Sites in Green Oxidation of Biobased Substrates Using Au-Promoted Catalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 16332-16340.	3.2	59
54	Acrolein production from methanol and ethanol mixtures over La- and Ce-doped FeMo catalysts. Applied Catalysis B: Environmental, 2018, 237, 149-157.	10.8	10

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55	ZnTa-TUD-1 as an easily prepared, highly efficient catalyst for the selective conversion of ethanol to 1,3-butadiene. Green Chemistry, 2018, 20, 3203-3209.	4.6	39
56	Oxidation of but-3-en-1,2-diol: Green access to hydroxymethionine intermediate. Catalysis Today, 2017, 279, 164-167.	2.2	2
57	Manganese Pincer Complexes for the Base-Free, Acceptorless Dehydrogenative Coupling of Alcohols to Esters: Development, Scope, and Understanding. ACS Catalysis, 2017, 7, 2022-2032.	5.5	213
58	Hybrid Catalysis: A Suitable Concept for the Valorization of Biosourced Saccharides to Valueâ€Added Chemicals. ChemCatChem, 2017, 9, 2080-2084.	1.8	13
59	Development of Silver Based Catalysts Promoted by Noble Metal M (Mâ€‰=â€‰Au, Pd or Pt) for Glycerol Oxidation in Liquid Phase. Topics in Catalysis, 2017, 60, 1072-1081.	1.3	23
60	An acrolein production route from ethanol and methanol mixtures over FeMo-based catalysts. Green Chemistry, 2017, 19, 2666-2674.	4.6	13
61	The Pivotal Role of Catalysis in France: Selected Examples of Recent Advances and Future Prospects.. ChemCatChem, 2017, 9, 2029-2064.	1.8	2
62	Kinetic modelling of the glycerol oxidation in the liquid phase: comparison of Pt, Au and Ag <scp>AS</scp> active phases. Journal of Chemical Technology and Biotechnology, 2017, 92, 2267-2275.	1.6	9
63	Heterogeneous Catalysis with Renewed Attention: Principles, Theories, and Concepts. Journal of Chemical Education, 2017, 94, 675-689.	1.1	18
64	Oxidative Transformations of Biosourced Alcohols Catalyzed by Earthâ€Abundant Transition Metals. ChemCatChem, 2017, 9, 2652-2660.	1.8	57
65	Guerbet Reaction over Strontiumâ€Substituted Hydroxyapatite Catalysts Prepared at Various (Ca+Sr)/P Ratios. ChemCatChem, 2017, 9, 2250-2261.	1.8	30
66	Solvent- and base-free synthesis of wax esters from fatty acid methyl esters by consecutive one-pot, two-step catalysis. Green Chemistry, 2017, 19, 5665-5673.	4.6	20
67	Direct Conversion of Glycerol to Allyl Alcohol Over Aluminaâ€Supported Rhenium Oxide. ChemistrySelect, 2017, 2, 9864-9868.	0.7	32
68	Cover Image, Volume 92, Issue 9. Journal of Chemical Technology and Biotechnology, 2017, 92, i.	1.6	0
69	Methanol and ethanol reactivity in the presence of hydrotalcites with Mg/Al ratios varying from 2 to 7. Catalysis Communications, 2017, 89, 14-18.	1.6	17
70	Alâ€doped SBAâ€15 Catalysts for Lowâ€temperature Dehydration of 1,3â€Butanediol into Butadiene. ChemCatChem, 2017, 9, 258-262.	1.8	25
71	Glycerol Oxidation in the Liquid Phase over a Gold-Supported Catalyst: Kinetic Analysis and Modelling. ChemEngineering, 2017, 1, 7.	1.0	9
72	Recent Breakthroughs in the Conversion of Ethanol to Butadiene. Catalysts, 2016, 6, 203.	1.6	100

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73	Catalytic Conversion of Alcohols into Carboxylic Acid Salts in Water: Scope, Recycling, and Mechanistic Insights. ChemSusChem, 2016, 9, 1350-1350.	3.6	0
74	Role of Crystalline Structure in Allyl Alcohol Selective Oxidation over Mo₃VO_{<i>x</i>} Complex Metal Oxide Catalysts. ChemCatChem, 2016, 8, 2415-2420.	1.8	13
75	Advanced functionalized Mg 2 AlNi X H Z O Y nano-oxyhydrides ex-hydrotalcites for hydrogen production from oxidative steam reforming of ethanol. International Journal of Hydrogen Energy, 2016, 41, 15443-15452.	3.8	34
76	Kinetic modeling of the quasiâ€homogeneous oxidation of glycerol over unsupported gold particles in the liquid phase. European Journal of Lipid Science and Technology, 2016, 118, 72-79.	1.0	14
77	A Pd/CeO₂ â€œH₂ Pumpâ€•for the Direct Amination of Alcohols. ChemCatChem, 2016, 8, 3347-3352.	1.8	24
78	Catalytic Conversion of Alcohols into Carboxylic Acid Salts in Water: Scope, Recycling, and Mechanistic Insights. ChemSusChem, 2016, 9, 1413-1423.	3.6	84
79	Efficient deuterium labelling of alcohols in deuterated water catalyzed by ruthenium pincer complexes. Catalysis Communications, 2016, 84, 67-70.	1.6	13
80	Acceptorless dehydrogenative coupling of alcohols catalysed by ruthenium PNP complexes: Influence of catalyst structure and of hydrogen mass transfer. Journal of Catalysis, 2016, 340, 331-343.	3.1	46
81	One-pot 1,1-dimethoxymethane synthesis from methanol: a promising pathway over bifunctional catalysts. Catalysis Science and Technology, 2016, 6, 958-970.	2.1	47
82	Steam reforming, partial oxidation and oxidative steam reforming for hydrogen production from ethanol over cerium nickel based oxyhydride catalyst. Applied Catalysis A: General, 2016, 518, 78-86.	2.2	55
83	First catalytic asymmetric hydrogenation of quinoxaline-2-carboxylates. Tetrahedron, 2016, 72, 1375-1380.	1.0	12
84	Ethanol reactivity over La1+x FeO3+Î´ perovskites. Applied Catalysis A: General, 2016, 511, 141-148.	2.2	21
85	Direct dehydration of 1,3-butanediol into butadiene over aluminosilicate catalysts. Catalysis Science and Technology, 2016, 6, 5830-5840.	2.1	49
86	Role of Promoters on the Acrolein Ammoxidation Performances of BiMoO_{<i>x</i>}. JAOCS, Journal of the American Oil Chemists' Society, 2016, 93, 431-443.	0.8	9
87	Performance of Ag/Al₂O₃catalysts in the liquid phase oxidation of glycerol â€" effect of preparation method and reaction conditions. Catalysis Science and Technology, 2016, 6, 3182-3196.	2.1	38
88	Novel direct amination of glycerol over heteropolyacid-based catalysts. Catalysis Science and Technology, 2016, 6, 2129-2135.	2.1	18
89	Plasmonic enhanced photocatalytic activity of semiconductors for the degradation of organic pollutants under visible light. Materials Science in Semiconductor Processing, 2016, 42, 81-84.	1.9	19
90	Effect of oxomolybdate species dispersion on direct methanol oxidation to dimethoxymethane over MoO_{<i>x</i>}/TiO₂ catalysts. Energy Science and Engineering, 2015, 3, 115-125.	1.9	17

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91	High yield lactic acid selective oxidation into acetic acid over a Mo-V-Nb mixed oxide catalyst. Sustainable Chemical Processes, 2015, 3, .	2.3	9
92	Biomass-derived Platform Molecules Upgrading through Catalytic Processes: Yielding Chemicals and Fuels. Journal of the Japan Petroleum Institute, 2015, 58, 257-273.	0.4	29
93	REALCAT: A New Platform to Bring Catalysis to the Lightspeed. Oil and Gas Science and Technology, 2015, 70, 455-462.	1.4	8
94	Structural Evolution under Reaction Conditions of Supported (NH4)3HPMo11VO40 Catalysts for the Selective Oxidation of Isobutane. Catalysts, 2015, 5, 460-477.	1.6	13
95	High resolution NMR unraveling Cu substitution of Mg in hydrotalcitesâ€“ethanol reactivity. Applied Catalysis A: General, 2015, 504, 533-541.	2.2	14
96	Catalytic behaviour of four different supported noble metals in the crude glycerol oxidation. Applied Catalysis A: General, 2015, 499, 89-100.	2.2	50
97	Reactivity of ethanol over hydroxyapatite-based Ca-enriched catalysts with various carbonate contents. Catalysis Science and Technology, 2015, 5, 2994-3006.	2.1	72
98	6. Biomass-derived molecules conversion to chemicals using heterogeneous and homogeneous catalysis. , 2015, , 141-164.		0
99	Synthesis and application of fatty acid derived templates for the preparation of mesostructured silica material. RSC Advances, 2015, 5, 82488-82491.	1.7	1
100	Novel La₃Fe(MoO₄)₆ phase: magnetic properties and ethanol reactivity. Dalton Transactions, 2015, 44, 14444-14452.	1.6	3
101	Recent developments in maleic acid synthesis from bio-based chemicals. Sustainable Chemical Processes, 2015, 3, .	2.3	131
102	Highly loaded well dispersed stable Ni species in NiXMg2AlOY nanocomposites: Application to hydrogen production from bioethanol. Applied Catalysis B: Environmental, 2015, 166-167, 485-496.	10.8	29
103	Glycerol-Derived Renewable Polyglycerols: A Class of Versatile Chemicals of Wide Potential Application. Organic Process Research and Development, 2015, 19, 748-754.	1.3	26
104	Biorefineries. , 2015, , .		20
105	Upgrading glycerol for high-value-added applications. Inform, 2015, 26, 624-627.	0.1	0
106	Microscope Analysis of Auâ€“Pd/TiO2 Glycerol Oxidation Catalysts Prepared by Depositionâ€“Precipitation Method. Catalysis Letters, 2014, 144, 2167-2175.	1.4	21
107	Chemical Catalysis and Biotechnology: From a Sequential Engagement to a One-Pot Wedding. Chemie-Ingenieur-Technik, 2014, 86, 1496-1496.	0.4	7
108	Tuning Hydrodesulfurization Activeâ€Phase Dispersion using Optimized Mesoporous Titaniaâ€Doped Silica Supports. ChemCatChem, 2014, 6, 328-338.	1.8	16

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109	Glycerol oxidation over gold supported catalysts â€“ â€œTwo facesâ€•of sulphur based anchoring agent. Journal of Molecular Catalysis A, 2014, 382, 71-78.	4.8	27
110	Highly productive iron molybdate mixed oxides and their relevant catalytic properties for direct synthesis of 1,1-dimethoxymethane from methanol. Applied Catalysis B: Environmental, 2014, 145, 126-135.	10.8	63
111	Hydrogen production from bioethanol catalyzed by NiXMg2AlOY ex-hydrotalcite catalysts. Applied Catalysis B: Environmental, 2014, 152-153, 370-382.	10.8	46
112	Structural, textural and acidâ€“base properties of carbonate-containing hydroxyapatites. Journal of Materials Chemistry A, 2014, 2, 11073-11090.	5.2	102
113	Deactivation study of the Pt and/or Ni-based Î³-Al2O3 catalysts used in the aqueous phase reforming of glycerol for H2 production. Applied Catalysis A: General, 2014, 472, 80-91.	2.2	71
114	Catalytic selective oxidation of isobutane over Cs_x(NH₄)_{3âˆ’x}HPMo₁₁VO₄₀mixed salts. Catalysis Science and Technology, 2014, 4, 2938.	2.1	28
115	Liquid phase oxidation of glycerol in batch and flow-type reactors with oxygen over Auâ€“Pd nanoparticles stabilized in anion-exchange resin. RSC Advances, 2014, 4, 33416-33423.	1.7	25
116	Crude glycerol as a raw material for the liquid phase oxidation reaction. Applied Catalysis A: General, 2014, 482, 245-257.	2.2	44
117	Reply to the Letter to the Editor concerning the comments of M.A. Banares and M.O. Guerrero-PÃ©rez to the article â€œGlycerol conversion to acrylonitrile by consecutive dehydration over WO3/TiO2 and ammoxidation over Sb-(Fe,V)-Oâ€• Applied Catalysis B: Environmental, 2014, 148-149, 604-605.	10.8	4
118	Catalytic selective oxidation of isobutane to methacrylic acid on supported (NH4)3HPMo11VO40 catalysts. Journal of Catalysis, 2014, 309, 121-135.	3.1	75
119	Synthesis of pyruvic acid by vapour phase catalytic oxidative dehydrogenation of lactic acid. Journal of Molecular Catalysis A, 2013, 377, 123-128.	4.8	36
120	Ammoxidation of allyl alcohol â€“ a sustainable route to acrylonitrile. Green Chemistry, 2013, 15, 3015.	4.6	15
121	Glycerol conversion to acrylonitrile by consecutive dehydration over WO3/TiO2 and ammoxidation over Sb-(Fe,V)-O. Applied Catalysis B: Environmental, 2013, 132-133, 170-182.	10.8	65
122	Al-modified mesoporous silica for efficient conversion of methanol to dimethyl ether. RSC Advances, 2013, 3, 5895.	1.7	8
123	Room Temperature Hydrogen Production from Ethanol over CeNi_{<i>X</i>}H_{<i>Z</i>}O_{<i>Y</i>} Nanoâ€Oxyhydride Catalysts. ChemCatChem, 2013, 5, 2207-2216.	1.8	46
124	Pt monometallic and bimetallic catalysts prepared by acid solâ€“gel method for liquid phase reforming of bioglycerol. Journal of Molecular Catalysis A, 2013, 368-369, 125-136.	4.8	36
125	Recent Developments in the Field of Catalytic Dehydration of Glycerol to Acrolein. ACS Catalysis, 2013, 3, 1819-1834.	5.5	259
126	Selective oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran over intercalated vanadium phosphate oxides. RSC Advances, 2013, 3, 9942.	1.7	64

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127	PropriÃ©tÃ©s et utilisation de lâ€™huile de ricin. Oleagineux Corps Gras Lipides, 2012, 19, 10-15.	0.2	5
128	Transesterification of Diethyl Oxalate with Phenol over Solâ€“Gel MoO₃/TiO₂ Catalysts. ChemSusChem, 2012, 5, 1467-1473.	3.6	25
129	A comparison of solâ€“gel and impregnated Pt or/and Ni based Î³-alumina catalysts for bioglycerol aqueous phase reforming. Applied Catalysis B: Environmental, 2012, 125, 516-529.	10.8	97
130	Quasiâ€Homogeneous Oxidation of Glycerol by Unsupported Gold Nanoparticles in the Liquid Phase. ChemSusChem, 2012, 5, 2065-2078.	3.6	38
131	Influence of lanthanum stoichiometry in La1âˆ’xFeO3âˆ’Î´ perovskites on their structure and catalytic performance in CH4 total oxidation. Applied Catalysis B: Environmental, 2012, 126, 134-143.	10.8	91
132	Selective oxidation of ethanol towards a highly valuable product over industrial and model catalysts. Biofuels, 2012, 3, 25-34.	1.4	17
133	Ceâ€“Ni mixed oxide as efficient catalyst for H2 production and nanofibrous carbon material from ethanol in the presence of water. RSC Advances, 2012, 2, 9626.	1.7	36
134	Regeneration of Silicaâ€Supported Silicotungstic Acid as a Catalyst for the Dehydration of Glycerol. ChemSusChem, 2012, 5, 1298-1306.	3.6	37
135	Selective catalytic oxidation of glycerol: perspectives for high value chemicals. Green Chemistry, 2011, 13, 1960.	4.6	468
136	Novel approach to rhenium oxide catalysts for selective oxidation of methanol to DMM. Journal of Catalysis, 2011, 279, 310-318.	3.1	50
137	Synthesis and characterization of zirconia-grafted SBA-15 nanocomposites. Journal of Materials Chemistry, 2011, 21, 8159.	6.7	9
138	Highly Efficient and Stable CeNiH_{<i>Z</i>}O_{<i>Y</i>} Nanoâ€Oxyhydride Catalyst for H₂ Production from Ethanol at Room Temperature. Angewandte Chemie - International Edition, 2011, 50, 10193-10197.	7.2	47
139	Controlled synthesis of porous heteropolysalts used as catalysts supports. Studies in Surface Science and Catalysis, 2010, , 811-814.	1.5	1
140	A long-life catalyst for glycerol dehydration to acrolein. Green Chemistry, 2010, 12, 1922.	4.6	108
141	Hydrogen production from ethanol steam reforming over cerium and nickel based oxyhydrides. International Journal of Hydrogen Energy, 2010, 35, 12741-12750.	3.8	37
142	Hydrogen production from ethanol in presence of water over cerium and nickel mixed oxides. Catalysis Today, 2010, 157, 456-461.	2.2	23
143	SynthÃ¨se directe du 1,1-dimÃ©thoxymÃ©thane Ã partir de mÃ©thanol moyennant une modification mineure du procÃ©dÃ© de production de formaldÃ©hyde sur catalyseurs FeMo. Oil and Gas Science and Technology, 2010, 65, 751-762.	1.4	12
144	Mesoporous TiO2-SBA15 composites used as supports for molybdenum-based hydrotreating catalysts. Studies in Surface Science and Catalysis, 2010, , 587-591.	1.5	3

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145	Glycerol dehydration to acrolein in the context of new uses of glycerol. Green Chemistry, 2010, 12, 2079.	4.6	374
146	Highly efficient catalyst for the decarbonylation of lactic acid to acetaldehyde. Green Chemistry, 2010, 12, 1910.	4.6	97
147	Direct conversion of methanol into 1,1-dimethoxymethane: remarkably high productivity over an FeMo catalyst placed under unusual conditions. Green Chemistry, 2010, 12, 1722.	4.6	37
148	Towards the Sustainable Production of Acrolein by Glycerol Dehydration. ChemSusChem, 2009, 2, 719-730.	3.6	221
149	Synthesis, Characterization, and Catalytic Performances of Novel CoMo Hydrodesulfurization Catalysts Supported on Mesoporous Aluminas. Chemistry of Materials, 2009, 21, 522-533.	3.2	53
150	Amorphous oxide as a novel efficient catalyst for direct selective oxidation of methanol to dimethoxymethane. Chemical Communications, 2008, , 865-867.	2.2	40
151	Degradation of Carbazole by <i>Novosphingobium</i> sp. Strain NIY3. Journal of the Japan Petroleum Institute, 2008, 51, 174-179.	0.4	8
152	Î³-ã‚¢ãƒ«ãƒŸãƒŠæ‹…æŒãŠã‚ˆã³é«˜è¡¨é¢ç©ãƒã‚¿ãƒ‹ã‚¢æ‹…æŒãƒ¢ãƒªãƒ–ãƒ‡ãƒ³ï¼Œã‚³ãƒãƒ«ãƒˆ-ãƒ¢ãƒªãƒ–ãƒ‡ãƒ³ï¼Œãƒ‹ãƒƒã‚±ãƒ«	0.4	6
153	Characterization and hydrodesulfurization activity of CoMo catalysts supported on boron-doped solâ€“gel alumina. Applied Catalysis A: General, 2006, 315, 18-28.	2.2	42
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