

Malcolm Yates

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,224
citations

361413

20
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	N ₂ O formation in the ammonia oxidation and in the SCR process with V ₂ O ₅ -WO ₃ catalysts. <i>Catalysis Today</i> , 2005, 107-108, 120-125.	4.4	99
2	Synthesis of p-cymene from limonene, a renewable feedstock. <i>Applied Catalysis B: Environmental</i> , 2008, 81, 218-224.	20.2	94
3	Honeycomb monoliths of activated carbons for effluent gas purification. <i>Microporous and Mesoporous Materials</i> , 2000, 37, 201-208.	4.4	86
4	N ₂ O formation in the selective catalytic reduction of NO _x with NH ₃ at low temperature on CuO-supported monolithic catalysts. <i>Journal of Catalysis</i> , 2005, 229, 227-236.	6.2	71
5	On the Preparation of TiO ₂ /Sepiolite Hybrid Materials for the Photocatalytic Degradation of TCE: Influence of TiO ₂ Distribution in the Mineralization. <i>Environmental Science & Technology</i> , 2008, 42, 5892-5896.	10.0	66
6	Sustainable p-cymene and hydrogen from limonene. <i>Applied Catalysis A: General</i> , 2010, 387, 141-146.	4.3	63
7	Development of a new Rh/TiO ₂ /sepilite monolithic catalyst for N ₂ O decomposition. <i>Applied Catalysis B: Environmental</i> , 2006, 64, 302-311.	20.2	62
8	Microwave decomposition of a chlorinated pesticide (Lindane) supported on modified sepiolites. <i>Applied Clay Science</i> , 2002, 22, 103-113.	5.2	50
9	Vapour adsorption capacity of controlled porosity honeycomb monoliths. <i>Microporous and Mesoporous Materials</i> , 2003, 65, 219-231.	4.4	45
10	Nitrous oxide formation in low temperature selective catalytic reduction of nitrogen oxides with V ₂ O ₅ /TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 330-334.	20.2	45
11	CuO/NiO monolithic catalysts for NO _x removal from nitric acid plant flue gas. <i>Chemical Engineering Journal</i> , 2004, 97, 1-9.	12.7	42
12	Pillared clay and zirconia-based monolithic catalysts for selective catalytic reduction of nitric oxide by methane. <i>Catalysis Today</i> , 2001, 69, 233-239.	4.4	37
13	Hydrotalcite-like compounds: A way to recover a hazardous waste in the aluminium tertiary industry. <i>Applied Clay Science</i> , 2014, 95, 41-49.	5.2	32
14	Effect of Re loading on the structure, activity and selectivity of Re/C catalysts in hydrodenitrogenation and hydrodesulphurisation of gas oil. <i>Applied Catalysis A: General</i> , 2003, 240, 151-160.	4.3	31
15	Novel One-Step Synthesis of Porous-Supported Catalysts by Activated-Carbon Templating. <i>Advanced Materials</i> , 2006, 18, 1162-1165.	21.0	30
16	Mechanical and textural properties of extruded materials manufactured with AlFe and AlCeFe pillared bentonites. <i>Applied Clay Science</i> , 2010, 47, 283-289.	5.2	30
17	Rh/Al ₂ O ₃ /sepilite monolithic catalysts for decomposition of N ₂ O traces. <i>Applied Catalysis B: Environmental</i> , 2005, 55, 57-64.	20.2	29
18	New TiO ₂ monolithic supports based on the improvement of the porosity. <i>Catalysis Today</i> , 2005, 105, 499-506.	4.4	26

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19	Influence of sulphate doping on Pd/zirconia based catalysts for the selective catalytic reduction of nitrogen oxides with methane. Applied Catalysis B: Environmental, 2007, 71, 254-261.	20.2	23
20	Selective catalytic reduction of NOx by methane in excess oxygen over Rh based aluminium pillared clays. Applied Catalysis B: Environmental, 2006, 64, 161-170.	20.2	22
21	Tailor-made high porosity VOC oxidation catalysts prepared by a single-step procedure. Applied Catalysis B: Environmental, 2007, 73, 128-134.	20.2	20
22	Pd/ γ -Al ₂ O ₃ monolithic catalysts for NOx reduction with CH ₄ in excess of O ₂ : Effect of precursor salt. Chemical Engineering Journal, 2009, 150, 8-14.	12.7	20
23	Renewable fine chemicals from rice and citric subproducts: Ecomaterials. Applied Catalysis B: Environmental, 2011, 106, 488-493.	20.2	20
24	Characterisation and reactivity of Re/carbon catalysts in hydrodesulphurisation of dibenzothiophene: Effect of textural and chemical properties of support. Applied Catalysis A: General, 2009, 358, 26-31.	4.3	19
25	Structured catalysts containing Co, Ba and K supported on modified natural sepiolite for the abatement of diesel exhaust pollutants. Chemical Engineering Journal, 2010, 157, 530-538.	12.7	18
26	Effect of sulphuric acid pretreatment concentration on the behaviour of CoOx/ γ -Al ₂ O ₃ -SO ₄ monolithic catalysts in the lean CH ₄ -SCR process. Applied Catalysis B: Environmental, 2009, 91, 423-427.	20.2	17
27	Biomaterials from beer manufacture waste for bone growth scaffolds. Green Chemistry Letters and Reviews, 2011, 4, 229-233.	4.7	17
28	Influence of support acid pretreatment on the behaviour of CoOx/ γ -alumina monolithic catalysts in the CH ₄ -SCR reaction. Applied Catalysis B: Environmental, 2006, 67, 270-278.	20.2	15
29	Promotion of Re/Al ₂ O ₃ and Re/C catalysts by Ni sulfide in the HDS and HDN of gas oil: Effects of Ni loading and support. Applied Catalysis A: General, 2007, 319, 218-229.	4.3	14
30	Characterization of alumina:sepiolite monoliths for use as industrial catalyst supports. Journal of Materials Science, 1994, 29, 5927-5933.	3.7	13
31	Influence of zirconia raw materials on the development of DeNOx monolithic catalysts. Applied Catalysis B: Environmental, 2003, 44, 333-346.	20.2	12
32	Design of activated carbon/clay composites for effluent decontamination. Microporous and Mesoporous Materials, 2012, 154, 87-92.	4.4	12
33	Influence of the operation time on the performance of a new SCR monolithic catalyst. Catalysis Today, 1996, 27, 9-13.	4.4	10
34	Promoter effect of Co on the catalytic activity of Re/ γ -Al ₂ O ₃ catalysts for the HDS and HDN of gas oil. Applied Catalysis A: General, 2008, 350, 6-15.	4.3	10
35	Preparation, characterization and in vitro osteoblast growth of waste-derived biomaterials. RSC Advances, 2014, 4, 12630-12639.	3.6	9
36	Porosity of freeze-dried γ -Al ₂ O ₃ powders. Ceramics International, 2007, 33, 1165-1169.	4.8	8

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37	Application of Mercury Porosimetry to Predict the Porosity and Strength of Ceramic Catalyst Supports. Particle and Particle Systems Characterization, 2006, 23, 94-100.	2.3	5
38	Pore design of pelletised VOX/ZrO2-SO4/Sepiolite composite catalysts. Studies in Surface Science and Catalysis, 2010, , 739-742.	1.5	1
39	SCR activity of conformed CuOX/ZrO2-SO4 catalysts. Studies in Surface Science and Catalysis, 2010, , 735-738.	1.5	1
40	The performance of a new monolithic SCR catalyst in a life test with real exhaust gases. Effect on the textural nature. Coal Science and Technology, 1995, , 1807-1810.	0.0	0