

Manda Lemos

List of Publications by Year in descending order

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64
papers

1,861
citations

304743

22
h-index

265206

42
g-index

65
all docs

65
docs citations

65
times ranked

2257
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Plastic Waste in a Circular Economy Approach to Improve the Properties of Bituminous Binders. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2526.	2.5	4
2	A catalytic reactive distillation approach to high density polyethylene pyrolysis – Part 2 – Middle olefin production. <i>Catalysis Today</i> , 2021, 379, 212-221.	4.4	9
3	Kinetic analysis of the degradation of HDPE+PP polymer mixtures. <i>International Journal of Chemical Kinetics</i> , 2021, 53, 660-674.	1.6	14
4	A catalytic reactive distillation approach to high density polyethylene pyrolysis – Part 1 – Light olefin production. <i>Chemical Engineering Journal</i> , 2019, 378, 122077.	12.7	42
5	Synthesis and bactericide activity of nanofiltration composite membranes – Cellulose acetate/silver nanoparticles and cellulose acetate/silver ion exchanged zeolites. <i>Water Research</i> , 2019, 149, 225-231.	11.3	61
6	Bis(formylpyrrolyl) cobalt complexes as mediators in the reversible-deactivation radical polymerization of styrene and methyl methacrylate. <i>New Journal of Chemistry</i> , 2018, 42, 5900-5913.	2.8	3
7	Coprocessing of Waste Plastic and Hydrocarbons over MFI (HZSM-5). <i>International Journal of Chemical Kinetics</i> , 2016, 48, 329-336.	1.6	5
8	Modeling and control of an exothermal reaction. <i>Chemical Engineering Journal</i> , 2014, 238, 93-99.	12.7	8
9	Copper(II) complexes of bis(aryl-imino)acenaphthene ligands: synthesis, structure, DFT studies and evaluation in reverse ATRP of styrene. <i>Dalton Transactions</i> , 2014, 43, 13041.	3.3	22
10	Structure, morphology and interfacial behaviour of ethylene/methacrylate copolymers. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	1
11	1-Butene oligomerization over ZSM-5 zeolite: Part 1 – Effect of reaction conditions. <i>Fuel</i> , 2013, 111, 449-460.	6.4	78
12	The Acidity of Zeolites: Concepts, Measurements and Relation to Catalysis: A Review on Experimental and Theoretical Methods for the Study of Zeolite Acidity. <i>Catalysis Reviews - Science and Engineering</i> , 2013, 55, 454-515.	12.9	262
13	Copolymerization of ethylene with unsaturated alcohols and methylmethacrylate using a silylated diimine nickel catalyst: Molecular modeling and photodegradation studies. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1820-1832.	2.6	10
14	Synthesis and structural characterisation of (aryl-BIAN)copper(I) complexes and their application as catalysts for the cycloaddition of azides and alkynes. <i>Dalton Transactions</i> , 2012, 41, 5144.	3.3	60
15	The effect of ZSM-5 zeolite acidity on the catalytic degradation of high-density polyethylene using simultaneous DSC/TG analysis. <i>Applied Catalysis A: General</i> , 2012, 413-414, 183-191.	4.3	74
16	Octahedral Co(III) complexes of 2-(phenylimino)pyrrolyl ligands: Synthesis and structural characterisation. <i>Inorganica Chimica Acta</i> , 2011, 367, 151-157.	2.4	18
17	Polymerisation of Norbornene Catalysed by Highly Active Tetradentate Chelated Diimine Nickel Complexes. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 367-374.	2.2	15
18	Pentabenzylcyclopentadienyl molybdenum and tungsten hydrides: Syntheses, structures and electrochemistry of [MHCPz(CO)2(L)] (L=CO, PMe3, PPh3). <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1328-1336.	1.8	11

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19	Catalytic degradation of low and high density polyethylenes using ethylene polymerization catalysts: Kinetic studies using simultaneous TG/DSC analysis. <i>Applied Catalysis A: General</i> , 2010, 374, 170-179.	4.3	21
20	Light olefin transformation over ZSM-5 zeolites with different acid strengths – A kinetic model. <i>Applied Catalysis A: General</i> , 2010, 384, 177-185.	4.3	48
21	Using simultaneous DSC/TG to analyze the kinetics of polyethylene degradation – catalytic cracking using HY and HZSM-5 zeolites. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2009, 99, 5.	1.7	1
22	Contributions for the study of the acid transformation of hydrocarbons over zeolites. <i>Journal of Molecular Catalysis A</i> , 2009, 305, 60-68.	4.8	10
23	Electro-oxidation of phenol on zeolite/graphite composite electrodes. <i>Catalysis Today</i> , 2008, 133-135, 855-862.	4.4	4
24	Using Digital Simulation to Study Hydroquinone Oxidation on Porous Electrodes by Cyclic Voltammetry. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
25	(Pentabenzylcyclopentadienyl)molybdenum Complexes: Synthesis, Structures and Redox Properties. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1103-1113.	2.0	14
26	Light olefin transformation over ZSM-5 zeolites – A kinetic model for olefin consumption. <i>Applied Catalysis A: General</i> , 2007, 324, 20-29.	4.3	59
27	Electro-oxidation of phenol on a new type of zeolite/graphite biocomposite electrode with horseradish peroxidase. <i>Journal of Molecular Catalysis A</i> , 2007, 278, 47-52.	4.8	13
28	Ethylene Polymerization over Transition Metal Supported Catalysts. III. Vanadium. <i>E-Polymers</i> , 2006, 6, .	3.0	1
29	Electro-oxidation of phenol on zeolite/graphite composite electrodes. <i>Journal of Molecular Catalysis A</i> , 2006, 248, 48-52.	4.8	22
30	Electro-oxidation of phenol on zeolite/graphite composite electrodes. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 170-175.	4.8	10
31	Activation of C ₂ –C ₄ alkanes over acid and bifunctional zeolite catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 131-158.	4.8	222
32	Kinetic modelling of phenol co-oxidation using horseradish peroxidase. <i>Bioprocess and Biosystems Engineering</i> , 2006, 29, 99-108.	3.4	20
33	Kinetic Analysis of the ex vivo Expansion of Human Hematopoietic Stem/Progenitor Cells. <i>Biotechnology Letters</i> , 2006, 28, 335-340.	2.2	8
34	Correlating NH ₃ -TPD and ¹ H MAS NMR measurements of zeolite acidity: proposal of an acidity scale. <i>Applied Catalysis A: General</i> , 2005, 284, 39-46.	4.3	56
35	Copolymerization of ethylene/unsaturated alcohols using nickel catalysts: effect of the ligand on the activity and comonomer incorporation. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 895-909.	1.8	18
36	Activity – acidity relationship for alkane cracking over zeolites: n-hexane cracking over HZSM-5. <i>Journal of Molecular Catalysis A</i> , 2005, 229, 127-135.	4.8	64

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37	Titanium Triamidotriamine Compounds: Syntheses, Structures and Redox Properties. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1689-1697.	2.0	9
38	Mononuclear and Binuclear Cyclopentadienyl Oxo Molybdenum and Tungsten Complexes: Syntheses and Applications in Olefin Epoxidation Catalysis. <i>Organometallics</i> , 2005, 24, 2582-2589.	2.3	84
39	Acidity, Activity and Micro-Kinetics Studies in an H-ZSM5. , 2005, , 321-326.		0
40	Microkinetic Model for Propane Activation over H-ZSM5. , 2005, , 327-332.		0
41	Propane conversion over a H-ZSM5 acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2004, 216, 131-137.	4.8	32
42	Kinetic modeling studies of ethylene polymerization reactions using supported chromium catalysts. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3464-3472.	2.3	8
43	Kinetic modelling of the catalytic cracking of n-hexane and n-heptane over a zeolite catalyst. <i>Applied Catalysis A: General</i> , 2004, 272, 23-28.	4.3	15
44	Modelling of ex vivo expansion/maintenance of hematopoietic stem cells. <i>Bioprocess and Biosystems Engineering</i> , 2003, 25, 365-369.	3.4	22
45	Ethylene polymerization over transition-metal supported catalysts. II. Cr on zeolite, silica, and charcoal: Characterization and activity studies. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3768-3780.	2.3	14
46	Analysis and Modelling of Multi-Site Acid Catalysts. , 2002, , 217-243.		2
47	Kinetics of Ethylene Polymerisation over CrY Zeolites. <i>Studies in Surface Science and Catalysis</i> , 2001, 133, 173-180.	1.5	3
48	Mechanism of the electrochemical reduction of $[\text{Fe}(\eta^5\text{-C}_6\text{H}_7)(\text{CO})_3][\text{PF}_6]^-$ a theoretical approach to the intermediates. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 49-57.	1.8	4
49	Electron-transfer induced isomerizations of coordination compounds. <i>Coordination Chemistry Reviews</i> , 2001, 219-221, 53-80.	18.8	83
50	Activity-Acidity Relationships in Solid Acid Catalysis – A Quantum Chemical Study. <i>Studies in Surface Science and Catalysis</i> , 2001, , 501-506.	1.5	6
51	Aminocarbene and isocyanide complexes of rhenium. Crystal structures of $\text{trans-}[\text{ReCl}(\text{CNR})(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2]$ ($\text{R}=\text{H}$ or SiMe_3). <i>Dalton Transactions RSC</i> , 2000, , 373-380.	2.3	21
52	Modelling Complex Kinetic Systems. , 2000, , 175-204.		0
53	Modelling the voltammetric behaviour of cobalt cations inside zeolites. <i>Studies in Surface Science and Catalysis</i> , 1999, , 443-446.	1.5	8
54	Stepwise reduction of a phosphalkyne $\text{P}=\text{C}$ bond to a phosphalkene and a phosphine at the $\text{FeH}(\text{dppe})_2$ centre. Crystal and molecular structure of the 1:1-co-ordinated phosphalkyne complex $\text{trans-}[\text{FeH}(\eta^1\text{-P}=\text{CBut})(\text{dppe})_2][\text{BPh}_4]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3319-3324.	1.1	25

