

Carole Lamonier

List of Publications by Year in descending order

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papers

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236925

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73
all docs

73
docs citations

73
times ranked

1883
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative Desulfurization of Heavy Oils with High Sulfur Content: A Review. <i>Catalysts</i> , 2018, 8, 344.	3.5	149
2	Studies of the cerium-metal-oxygen-hydrogen system (metal=Cu, Ni). <i>Catalysis Today</i> , 1999, 50, 247-259.	4.4	133
3	Effect of incorporation of copper or nickel on hydrogen storage in ceria. Mechanism of reduction. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2001-2009.	1.7	102
4	Structural, textural and acid-base properties of carbonate-containing hydroxyapatites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11073-11090.	10.3	102
5	New insight in the preparation of alumina supported hydrotreatment oxidic precursors: A molecular approach. <i>Applied Catalysis A: General</i> , 2007, 322, 33-45.	4.3	92
6	Preparation and Characterization of 6-Molybdocobaltate and 6-Molybdoaluminate Cobalt Salts. Evidence of a New Heteropolymolybdate Structure. <i>Inorganic Chemistry</i> , 2004, 43, 4636-4644.	4.0	76
7	Reactivity of ethanol over hydroxyapatite-based Ca-enriched catalysts with various carbonate contents. <i>Catalysis Science and Technology</i> , 2015, 5, 2994-3006.	4.1	72
8	Use of the cobalt salt of the heteropolyanion [Co ₂ Mo ₁₀ O ₃₈ H ₄] ⁶⁻ for the preparation of CoMo HDS catalysts supported on Al ₂ O ₃ , TiO ₂ and ZrO ₂ . <i>Catalysis Today</i> , 2008, 130, 41-49.	4.4	69
9	Molybdocobaltate cobalt salts: New starting materials for hydrotreating catalysts. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 548-556.	20.2	65
10	Study of the active phase of NiW hydrocracking sulfided catalysts obtained from an innovative heteropolyanion based preparation. <i>Catalysis Today</i> , 2010, 150, 207-212.	4.4	55
11	Probing the Nature of the Active Phase of Molybdenum-Supported Catalysts for the Direct Synthesis of Methylmercaptan from Syngas and H ₂ S. <i>ACS Catalysis</i> , 2015, 5, 2966-2981.	11.2	54
12	Synthesis, Characterization, and Catalytic Performances of Novel CoMo Hydrodesulfurization Catalysts Supported on Mesoporous Aluminas. <i>Chemistry of Materials</i> , 2009, 21, 522-533.	6.7	53
13	Enhancement of catalytic performance in the benzylation of benzene with benzyl alcohol over hierarchical mordenite. <i>Journal of Catalysis</i> , 2013, 306, 100-108.	6.2	52
14	Evidence and Characterization of a New Decamolybdocobaltate Cobalt Salt: An Efficient Precursor for Hydrotreatment Catalyst Preparation. <i>Chemistry of Materials</i> , 2005, 17, 4438-4448.	6.7	51
15	CeNi _x O _y and CeAl _z Ni _x O _y solids studied by electron microscopy, XRD, XPS and depth sputtering techniques. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 303-312.	2.8	48
16	Relationship between Structure of CeNi _x O _y Mixed Oxides and Catalytic Properties in Oxidative Dehydrogenation of Propane. <i>Langmuir</i> , 2001, 17, 1511-1517.	3.5	47
17	Active phase genesis of NiW hydrocracking catalysts based on nickel salt heteropolytungstate: Comparison with reference catalyst. <i>Applied Catalysis B: Environmental</i> , 2012, 126, 55-63.	20.2	47
18	Effect of post treatment on the local structure of hierarchical Beta prepared by desilication and the catalytic performance in Friedel-Crafts alkylation. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 42-51.	4.4	40

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19	Specific tuning of acid/base sites in apatite materials to enhance their methanol thiolation catalytic performances. <i>Catalysis Today</i> , 2011, 164, 124-130.	4.4	38
20	MoW synergetic effect supported by HAADF for alumina based catalysts prepared from mixed SiMoW _{12-n} heteropolyacids. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 951-959.	20.2	33
21	Selective conversion of {Mo ₁₃₂ } Keglerate ion into 4-electron reduced crown-capped Keggin derivative [Te ₅ Mo ₁₅ O ₅₇] ⁸⁻ . A key intermediate to single-phase M1 multielement MoVTeO light-alkanes oxidation catalyst. <i>Chemical Communications</i> , 2011, 47, 6413.	4.1	32
22	Calcium-Deficient and Stoichiometric Hydroxyapatites Promoted by Cobalt for the Catalytic Removal of Oxygenated Volatile Organic Compounds. <i>Catalysis Letters</i> , 2010, 135, 197-206.	2.6	31
23	Guerbet Reaction over Strontium-Substituted Hydroxyapatite Catalysts Prepared at Various (Ca+Sr)/P Ratios. <i>ChemCatChem</i> , 2017, 9, 2250-2261.	3.7	30
24	Storage of reactive hydrogen species in CeM _x O _y (M = Cu, Ni; 0 ≤ x ≤ 1) mixed oxides. <i>International Journal of Hydrogen Energy</i> , 1999, 24, 1083-1092.	7.1	27
25	Hydroprocessing catalysts based on transition metal sulfides prepared from Anderson and dimeric Co ₂ Mo ₁₀ -heteropolyanions. A review. <i>Comptes Rendus Chimie</i> , 2016, 19, 1276-1285.	0.5	27
26	Transesterification of Diethyl Oxalate with Phenol over Sol-Gel MoO ₃ /TiO ₂ Catalysts. <i>ChemSusChem</i> , 2012, 5, 1467-1473.	6.8	25
27	Hierarchical porous titanium terephthalate based material with highly active sites for deep oxidative desulfurization. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 241-247.	4.4	25
28	New Mo-V based oxidic precursor for the hydrotreatment of residues. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 39-48.	20.2	23
29	Infrared investigation on surface properties of alumina obtained using recent templating routes. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 88-98.	4.4	22
30	W-SBA based materials as efficient catalysts for the ODS of model and real feeds: Improvement of their lifetime through active phase encapsulation. <i>Applied Catalysis A: General</i> , 2019, 571, 42-50.	4.3	22
31	Direct synthesis of methyl mercaptan from H ₂ /CO/H ₂ S using tungsten based supported catalysts: Investigation of the active phase. <i>Catalysis Today</i> , 2017, 292, 143-153.	4.4	20
32	Molecular approach to prepare mixed MoW alumina supported hydrotreatment catalysts using H ₄ SiMo _n W _{12-n} O ₄₀ heteropolyacids. <i>Catalysis Science and Technology</i> , 2018, 8, 5557-5572.	4.1	20
33	Enhancing the hydrodesulfurization of 4,6-dimethyldibenzothiophene through the use of mixed MoWS ₂ phase evidenced by HAADF. <i>Catalysis Today</i> , 2019, 329, 24-34.	4.4	19
34	Sulfur compounds reactivity in the ODS of model and real feeds on W-SBA based catalysts. <i>RSC Advances</i> , 2018, 8, 13714-13721.	3.6	18
35	Al ₃ -[X-Mo/WOn] (X=Al, Co, V, P) composites as catalysts in clean oxidation of aromatic sulfides. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 254-263.	20.2	17
36	Tuning Hydrodesulfurization Active Phase Dispersion using Optimized Mesoporous Titania-Doped Silica Supports. <i>ChemCatChem</i> , 2014, 6, 328-338.	3.7	16

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37	Synthesis and spectroscopic ²⁷ Al NMR and Raman characterization of new materials based on the assembly of isopolycation and Co ²⁺ Cr and Anderson heteropolyanions. <i>Journal of Molecular Structure</i> , 2007, 841, 96-103.	3.6	15
38	Increase of the Ni/W Ratio in Heteropolyanions Based NiW Hydrocracking Catalysts with Improved Catalytic Performances. <i>Catalysis Letters</i> , 2014, 144, 460-468.	2.6	14
39	High resolution NMR unraveling Cu substitution of Mg in hydrotalcites ²⁺ ethanol reactivity. <i>Applied Catalysis A: General</i> , 2015, 504, 533-541.	4.3	14
40	Diesel HDS performance of alumina supported CoMoP catalysts modified by sulfone molecules produced by ODS process. <i>Fuel</i> , 2017, 210, 666-673.	6.4	14
41	Transportation fuels: Desulfurizing diesel. <i>Nature Energy</i> , 2017, 2, .	39.5	13
42	Strategy to produce highly loaded alumina supported CoMo-S catalyst for straight run gas oil hydrodesulfurization. <i>Applied Catalysis A: General</i> , 2017, 530, 145-153.	4.3	13
43	Genesis of active phase in MoW/Al ₂ O ₃ hydrotreating catalysts monitored by HAADF and in situ QEXAFS combined to MCR-ALS analysis. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118766.	20.2	13
44	First in situ temperature quantification of CoMoS species upon gas sulfidation enabled by new insight on cobalt sulfide formation. <i>Catalysis Today</i> , 2021, 377, 114-126.	4.4	13
45	Trimetallic Hydrotreating Catalysts CoMoW/Al ₂ O ₃ and NiMoW/Al ₂ O ₃ Prepared on the Basis of Mixed Mo-W Heteropolyacid: Difference in Synergistic Effects. <i>Petroleum Chemistry</i> , 2018, 58, 1198-1205.	1.4	12
46	The effect of the Mo/W ratio on the catalytic properties of alumina supported hydrotreating catalysts prepared from mixed SiMo6W6 and SiMo9W3 heteropolyacids. <i>Catalysis Today</i> , 2021, 377, 100-113.	4.4	12
47	Ultrasound assisted oxidative desulfurization of marine fuels on MoO ₃ /Al ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2021, 377, 221-228.	4.4	12
48	Influence of the nature of precipitating basic agent on the synthesis of catalytic magnesium phosphate materials. <i>Solid State Sciences</i> , 2008, 10, 434-437.	3.2	11
49	Hierarchization of Mordenite as NiW Sulfide Catalysts Support: Towards Efficient Hydrodesulfurization. <i>ChemCatChem</i> , 2015, 7, 3936-3944.	3.7	11
50	Influence of acid-base properties of cobalt-molybdenum catalysts supported on magnesium orthophosphates in isomerization of 3,3-dimethylbut-1-ene. <i>Arabian Journal of Chemistry</i> , 2011, 4, 449-457.	4.9	10
51	Niobium-Containing Lindqvist Isopolyanions [Nb _x W _{6-x} O ₁₉] ^(2+x-) Used as Precursors for Hydrodesulfurization Catalysts with Isomerization Properties. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2067-2075.	2.0	10
52	Preparation of new oxidic precursors based on heteropolyanions for efficient hydrocracking catalysts. <i>Comptes Rendus Chimie</i> , 2009, 12, 692-698.	0.5	8
53	Study of hydrotreating performance of trimetallic NiMoW/Al ₂ O ₃ catalysts prepared from mixed MoW Keggin heteropolyanions with various Mo/W ratios. <i>Journal of Catalysis</i> , 2021, 403, 141-159.	6.2	8
54	New apatite-based supports prepared by industrial phosphoric acid for HDS catalyst synthesis. <i>Comptes Rendus Chimie</i> , 2009, 12, 677-682.	0.5	7

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55	Improvement of HDS catalysts through the modification of the oxidic precursor with 1,5-pentanediol: Gas phase sulfidation and thiophene conversion. <i>Comptes Rendus Chimie</i> , 2016, 19, 1286-1302.	0.5	7
56	Trimetallic NiMoW/Al ₂ O ₃ hydrotreating catalyst based on H ₄ SiMo ₃ W ₉ O ₄₀ mixed heteropoly acid. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 1122-1129.	0.5	7
57	Origin of the dispersion limit in the preparation of Ni(Co)Mo/Al ₂ O ₃ and Ni(Co)Mo/TiO ₂ HDS oxidic precursors. <i>Studies in Surface Science and Catalysis</i> , 2006, 162, 713-720.	1.5	6
58	Effect of calcination temperature on the structure of vanadium phosphorus oxide materials and their catalytic activity in the decomposition of 2-propanol. <i>Journal of Saudi Chemical Society</i> , 2012, 16, 445-449.	5.2	6
59	One-pot Sol-gel Preparation for Efficient Cobalt-Molybdenum-Titania Hydrotreating Catalysts. <i>ChemCatChem</i> , 2012, 4, 2112-2120.	3.7	6
60	Potential of templated mesoporous aluminas as supports for HDS CoMo catalysts. <i>New Journal of Chemistry</i> , 2016, 40, 4258-4268.	2.8	6
61	The Anderson-type heteropolyanions in the synthesis of alumina-and zeolite-supported HDS oxidic precursors. <i>Studies in Surface Science and Catalysis</i> , 2000, 143, 141-148.	1.5	5
62	Restraining deactivation of hierarchical zeolite supported NiW catalysts in the HDS of thiophene. <i>RSC Advances</i> , 2015, 5, 74150-74158.	3.6	5
63	Effect of Quinoline on Hydrodesulfurization and Hydrogenation on Bi- and Trimetallic NiMo(W)/Al ₂ O ₃ Hydrotreating Catalysts. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 105-112.	0.5	5
64	Effect of aluminium incorporation on physicochemical properties and patent blue V photodegradation of magnesium phosphate materials. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	5
65	Application of Heteropolyacid H ₄ SiMo ₃ W ₉ O ₄₀ for the Preparation of Bimetallic MoWS ₂ /Al ₂ O ₃ Hydrotreatment Catalysts. <i>Kinetics and Catalysis</i> , 2017, 58, 825-832.	1.0	4
66	Bulk hydrotreating MoW ₁₂ -nS ₂ catalysts based on SiMoW ₁₂ -n heteropolyacids prepared by alumina elimination method. <i>Catalysis Today</i> , 2021, 377, 26-37.	4.4	4
67	Mesoporous TiO ₂ -SBA15 composites used as supports for molybdenum-based hydrotreating catalysts. <i>Studies in Surface Science and Catalysis</i> , 2010, , 587-591.	1.5	3
68	Niobium-Based Nickel-Tungsten Hydrotreatment Catalysts with Enhanced Isomerization Properties. <i>ChemCatChem</i> , 2015, 7, 297-302.	3.7	3
69	Hydrotreating of Straight-Run Diesel Fraction over Mixed NiMoWS/Al ₂ O ₃ Sulfide Catalysts. <i>Petroleum Chemistry</i> , 2019, 59, 529-534.	1.4	1
70	Highly Active Bulk Mo(W)S ₂ Hydrotreating Catalysts Synthesized by Etching out of the Carrier from Supported Mono- and Bimetallic Sulfides. <i>Petroleum Chemistry</i> , 2019, 59, S53-S59.	1.4	1
71	Activity of Mo(W)S ₂ /SBA-15 Catalysts Synthesized from SiMoW Heteropoly Acids in 4,6-Dimethyldibenzothiophene Hydrodesulfurization. <i>Petroleum Chemistry</i> , 2019, 59, 1293-1299.	1.4	1
72	Preparation and Characterization of 6-Molybdocobaltate and 6-Molybdoaluminate Cobalt Salts. Evidence of a New Heteropolymolybdate Structure.. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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73	New Bimetallic Hydrotreating Catalyst MoWS ₂ Based on Heteropoly Acid SiMo ₃ W ₉ and Mesostructured Silicate COK-12. <i>Petroleum Chemistry</i> , 2020, 60, 616-621.	1.4	0