

# Antoine Daudin

## List of Publications by Year in descending order

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30  
papers

1,036  
citations

394421

19  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodeoxygenation pathways catalyzed by MoS <sub>2</sub> and NiMoS active phases: A DFT study. <i>Journal of Catalysis</i> , 2011, 279, 276-286.	6.2	118
2	Catalytic hydroconversion of a wheat straw soda lignin: Characterization of the products and the lignin residue. <i>Applied Catalysis B: Environmental</i> , 2014, 145, 167-176.	20.2	108
3	Deoxygenation mechanisms on Ni-promoted MoS <sub>2</sub> bulk catalysts: A combined experimental and theoretical study. <i>Journal of Catalysis</i> , 2012, 286, 153-164.	6.2	107
4	Thermochemical Conversion of Lignin for Fuels and Chemicals: A Review. <i>Oil and Gas Science and Technology</i> , 2013, 68, 753-763.	1.4	83
5	A DFT study of the origin of the HDS/HyDO selectivity on Co(Ni)MoS active phases. <i>Journal of Catalysis</i> , 2008, 260, 276-287.	6.2	66
6	Lignin hydroconversion on MoS <sub>2</sub> -based supported catalyst: Comprehensive analysis of products and reaction scheme. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 153-162.	20.2	45
7	Transformation of a model FCC gasoline olefin over transition monometallic sulfide catalysts. <i>Journal of Catalysis</i> , 2007, 248, 111-119.	6.2	42
8	Microkinetic interpretation of HDS/HYDO selectivity of the transformation of a model FCC gasoline over transition metal sulfides. <i>Catalysis Today</i> , 2008, 130, 221-230.	4.4	40
9	From powder to extrudate zeolite-based bifunctional hydroisomerization catalysts: on preserving zeolite integrity and optimizing Pt location. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 72-83.	5.8	40
10	Effect of H <sub>2</sub> S partial pressure on the transformation of a model FCC gasoline olefin over unsupported molybdenum sulfide-based catalysts. <i>Applied Catalysis A: General</i> , 2008, 344, 198-204.	4.3	38
11	Quantification of metal/acid balance in hydroisomerization catalysts: A step further toward catalyst design. <i>AIChE Journal</i> , 2017, 63, 2864-2875.	3.6	35
12	A DFT Study of CoMoS and NiMoS Catalysts: from Nano-Crystallite Morphology to Selective Hydrodesulfurization. <i>Oil and Gas Science and Technology</i> , 2009, 64, 707-718.	1.4	30
13	A systematic study on mixtures of Pt/zeolite as hydroisomerization catalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 1095-1107.	4.1	30
14	Deep HDS of FCC gasoline over alumina supported CoMoS catalyst: Inhibiting effects of carbon monoxide and water. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 317-327.	20.2	28
15	New Mo <sup>V</sup> based oxidic precursor for the hydrotreatment of residues. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 39-48.	20.2	23
16	Sensitivity of supported MoS <sub>2</sub> -based catalysts to carbon monoxide for selective HDS of FCC gasoline: Effect of nickel or cobalt as promoter. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 24-34.	20.2	23
17	Insight into sulphur compounds and promoter effects on Molybdenum-based catalysts for selective HDS of FCC gasoline. <i>Applied Catalysis A: General</i> , 2010, 388, 188-195.	4.3	20
18	Active sites speciation of supported CoMoS phase probed by NO molecule: A combined IR and DFT study. <i>Journal of Catalysis</i> , 2018, 361, 62-72.	6.2	20

#	ARTICLE	IF	CITATIONS
19	Nanoscale insights into Pt-impregnated mixtures of zeolites. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16822-16833.	10.3	19
20	Quantification of the available acid sites in the hydrocracking of nitrogen-containing feedstocks over USY shaped NiMo-catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 167-176.	5.8	19
21	Bifunctional Intimacy and its Interplay with Metal-Acid Balance in Shaped Hydroisomerization Catalysts. <i>ChemCatChem</i> , 2020, 12, 4582-4592.	3.7	19
22	Elucidation of the zeolite role on the hydrogenating activity of Pt-catalysts. <i>Catalysis Communications</i> , 2017, 89, 152-155.	3.3	16
23	Interplay of the adsorption of light and heavy paraffins in hydroisomerization over H-beta zeolite. <i>Catalysis Science and Technology</i> , 2019, 9, 5368-5382.	4.1	12
24	Impact of CO on the transformation of a model FCC gasoline over CoMoS/Al <sub>2</sub> O <sub>3</sub> catalysts: A combined kinetic and DFT approach. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 323-332.	20.2	11
25	Bridging the gap between academic and industrial hydrocracking: on catalyst and operating conditions' effects. <i>Catalysis Science and Technology</i> , 2020, 10, 5136-5148.	4.1	11
26	Balance between (De)hydrogenation and Acid Sites: Comparison between Sulfide-Based and Pt-Based Bifunctional Hydrocracking Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 12686-12695.	3.7	11
27	Synergies, cooperation and other effects: a review for hydroconversion catalysts. <i>Catalysis Today</i> , 2020, 356, 260-270.	4.4	10
28	Investigation of cooperative effects between Pt/zeolite hydroisomerization catalysts through kinetic simulations. <i>Catalysis Today</i> , 2018, 312, 66-72.	4.4	5
29	Production de biocarburants à partir de la ressource oléagineuse. <i>Oleagineux Corps Gras Lipides</i> , 2012, 19, 29-38.	0.2	4
30	Deep hydrodesulfurization of FCC gasoline and gas oil cuts: Comparison of CO effect, a by-product from biomass. <i>Comptes Rendus Chimie</i> , 2016, 19, 1266-1275.	0.5	3