

Sundaramurthy Vedachalam

List of Publications by Year in descending order

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32
papers

1,055
citations

489802

18
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511568

30
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32
all docs

32
docs citations

32
times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrotreating and oxidative desulfurization of heavy fuel oil into low sulfur marine fuel over dual function NiMo/β-Al ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2023, 407, 165-171.	2.2	9
2	Review on impacts of low sulfur regulations on marine fuels and compliance options. <i>Fuel</i> , 2022, 310, 122243.	3.4	62
3	Catalytic oxidative desulfurization of light gas oil over Keggin-type phosphomolybdic acid supported on TUD-1 metallosilicates. <i>Fuel</i> , 2022, 317, 123447.	3.4	8
4	Review on recent advances in adsorptive desulfurization. <i>Fuel Processing Technology</i> , 2021, 214, 106685.	3.7	166
5	Performance of Low-Cost Carbon-Based Adsorbent on Desulfurization of Heavy Gas Oil. <i>ACS Symposium Series</i> , 2021, , 175-187.	0.5	0
6	Performance of geopolymer as adsorbent on desulphurization of heavy gas oil. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 2355-2367.	0.9	7
7	Production of jet fuel by hydrorefining of Fischer-Tropsch wax over Pt/Al-TUD-1 bifunctional catalyst. <i>Fuel</i> , 2021, 300, 121008.	3.4	13
8	Influence of Catalyst Acidity on Fine Particle Deposition during Hydrotreating of Bitumen-Derived Heavy Gas Oil. <i>Energy & Fuels</i> , 2021, 35, 16735-16749.	2.5	5
9	Ultrasound-assisted oxidative desulfurization of Arabian extra light oil (AXL) with molecular characterization of the sulfur compounds. <i>Fuel</i> , 2021, 305, 121612.	3.4	17
10	Oxidative Desulfurization of Tire Pyrolysis Oil over Molybdenum Heteropolyacid Loaded Mesoporous Catalysts. <i>Reactions</i> , 2021, 2, 457-472.	0.9	3
11	Mesoporous Adsorbents for Desulfurization of Model Diesel Fuel: Optimization, Kinetic, and Thermodynamic Studies. <i>Fuels</i> , 2020, 1, 47-58.	1.3	8
12	Oxidative Desulfurization of Heavy Gas Oil over a Ti-TUD-1-Supported Keggin-Type Molybdenum Heteropolyacid. <i>Energy & Fuels</i> , 2020, 34, 15299-15312.	2.5	24
13	Adsorptive desulfurization through charge-transfer complex using mesoporous adsorbents. <i>Fuel</i> , 2020, 269, 117379.	3.4	15
14	Effects of the operating variables on hydrotreating of heavy gas oil: Experimental, modeling, and kinetic studies. <i>Fuel</i> , 2010, 89, 2536-2543.	3.4	34
15	Effects of Hydrogen Partial Pressure on Hydrotreating of Heavy Gas Oil Derived from Oil-Sands Bitumen: Experimental and Kinetics. <i>Energy & Fuels</i> , 2010, 24, 772-784.	2.5	21
16	A comparison between ring-opening of decalin on Ir-Pt and Ni-Mo carbide catalysts supported on zeolites. <i>Journal of Molecular Catalysis A</i> , 2009, 304, 77-84.	4.8	52
17	Effect of anodic alumina pore diameter variation on template-initiated synthesis of carbon nanotube catalyst supports. <i>Journal of Molecular Catalysis A</i> , 2009, 306, 23-32.	4.8	23
18	Effect of Hydrogen Purity on Hydroprocessing of Heavy Gas Oil Derived from Oil-Sands Bitumen. <i>Energy & Fuels</i> , 2009, 23, 2129-2135.	2.5	18

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19	Tetraalkylthiomolybdates-derived Co(Ni)Mo/ γ -Al ₂ O ₃ sulfide catalysts for gas oil hydrotreating. Journal of Molecular Catalysis A, 2008, 294, 20-26.	4.8	23
20	The effect of phosphorus on hydrotreating property of NiMo/ γ -Al ₂ O ₃ nitride catalyst. Applied Catalysis A: General, 2008, 335, 204-210.	2.2	41
21	Application of multi-walled carbon nanotubes as efficient support to NiMo hydrotreating catalyst. Applied Catalysis A: General, 2008, 339, 187-195.	2.2	97
22	Hydrotreating of gas oil on SBA-15 supported NiMo catalysts. Microporous and Mesoporous Materials, 2008, 111, 560-568.	2.2	67
23	Phosphorus promoted trimetallic NiMoW/ γ -Al ₂ O ₃ sulfide catalysts in gas oil hydrotreating. Journal of Molecular Catalysis A, 2008, 291, 30-37.	4.8	53
24	Performances of Co ²⁺ W/ γ -Al ₂ O ₃ Catalysts on Hydrotreatment of Light Gas Oil Derived from Athabasca Bitumen. Industrial & Engineering Chemistry Research, 2007, 46, 4778-4786.	1.8	13
25	Selective ring opening of decalin with Pt ²⁺ Ir on Zr modified MCM-41. Applied Catalysis A: General, 2007, 321, 17-26.	2.2	60
26	Effect of phosphorus addition on the hydrotreating activity of NiMo/Al ₂ O ₃ carbide catalyst. Catalysis Today, 2007, 125, 239-247.	2.2	18
27	Comparison of P-containing γ -Al ₂ O ₃ supported Ni-Mo bimetallic carbide, nitride and sulfide catalysts for HDN and HDS of gas oils derived from Athabasca bitumen. Applied Catalysis A: General, 2006, 311, 155-163.	2.2	36
28	Partial oxidation of methanol for hydrogen production over carbon nanotubes supported Cu-Zn catalysts. Applied Catalysis A: General, 2006, 313, 22-34.	2.2	58
29	Hydrotreating of Heavy Gas Oil Derived from Athabasca Bitumen Over Co ²⁺ Mo/ γ -Al ₂ O ₃ Catalyst Prepared by Sonochemical Method. Topics in Catalysis, 2006, 37, 147-153.	1.3	12
30	HDN and HDS of different gas oils derived from Athabasca bitumen over phosphorus-doped NiMo/ γ -Al ₂ O ₃ carbides. Applied Catalysis B: Environmental, 2006, 68, 38-48.	10.8	41
31	Effect of EDTA on hydrotreating activity of CoMo/ γ -Al ₂ O ₃ catalyst. Catalysis Letters, 2005, 102, 299-306.	1.4	50
32	Deposition of Fine Particles during Hydrotreating of Oil Sands Bitumen-Derived Heavy Gas Oil in a Packed Bed Reactor: Impact of Process Parameters and Surface Charge. Industrial & Engineering Chemistry Research, 0, , .	1.8	1