

Asger B Hansen

List of Publications by Year in descending order

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43
papers

2,000
citations

257450

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276875

41
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docs citations

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times ranked

1756
citing authors

#	ARTICLE	IF	CITATIONS
1	Wax precipitation from North Sea crude oils: 1. Crystallization and dissolution temperatures, and Newtonian and non-Newtonian flow properties. <i>Energy & Fuels</i> , 1991, 5, 895-908.	5.1	318
2	Wax precipitation from North Sea crude oils. 3. Precipitation and dissolution of wax studied by differential scanning calorimetry. <i>Energy & Fuels</i> , 1991, 5, 914-923.	5.1	132
3	Characterization and Matching of Oil Samples Using Fluorescence Spectroscopy and Parallel Factor Analysis. <i>Analytical Chemistry</i> , 2005, 77, 2210-2217.	6.5	131
4	Wax precipitation from North Sea crude oils. 2. Solid-phase content as function of temperature determined by pulsed NMR. <i>Energy & Fuels</i> , 1991, 5, 908-913.	5.1	116
5	Improved and Standardized Methodology for Oil Spill Fingerprinting. <i>Environmental Forensics</i> , 2002, 3, 263-278.	2.6	116
6	Characterization, Weathering, and Application of Sesquiterpanes to Source Identification of Spilled Lighter Petroleum Products. <i>Environmental Science & Technology</i> , 2005, 39, 8700-8707.	10.0	97
7	Integrated Methodology for Forensic Oil Spill Identification. <i>Environmental Science & Technology</i> , 2004, 38, 2912-2918.	10.0	96
8	Chemical Fingerprinting of Petroleum Biomarkers Using Time Warping and PCA. <i>Environmental Science & Technology</i> , 2005, 39, 255-260.	10.0	90
9	Benzene exposure and the effect of traffic pollution in Copenhagen, Denmark. <i>Atmospheric Environment</i> , 2001, 35, 2463-2471.	4.1	65
10	Metabolic pathways of quinoline, indole and their methylated analogs by <i>Desulfobacterium indolicum</i> (DSM 3383). <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 292-300.	3.6	59
11	VOC air pollutants in Copenhagen. <i>Science of the Total Environment</i> , 1996, 189-190, 451-457.	8.0	53
12	Identification of Heteroaromatic and other Organic Compounds in Ground Water at Creosote-Contaminated Sites in Denmark. <i>Ground Water Monitoring and Remediation</i> , 1997, 17, 106-115.	0.8	53
13	Chromatographic preprocessing of GC-MS data for analysis of complex chemical mixtures. <i>Journal of Chromatography A</i> , 2005, 1062, 113-123.	3.7	52
14	Multivariate statistical methods for evaluating biodegradation of mineral oil. <i>Journal of Chromatography A</i> , 2005, 1090, 133-145.	3.7	51
15	Assessment of oil weathering by gas chromatography-mass spectrometry, time warping and principal component analysis. <i>Journal of Chromatography A</i> , 2007, 1164, 262-270.	3.7	38
16	Hydrogen assisted catalytic biomass pyrolysis. Effect of temperature and pressure. <i>Biomass and Bioenergy</i> , 2018, 115, 97-107.	5.7	35
17	Enhancing bio-oil quality and energy recovery by atmospheric hydrodeoxygenation of wheat straw pyrolysis vapors using Pt and Mo-based catalysts. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1991-2008.	4.9	35
18	Deoxygenation of wheat straw fast pyrolysis vapors over Na-Al ₂ O ₃ catalyst for production of bio-oil with low acidity. <i>Chemical Engineering Journal</i> , 2020, 394, 124878.	12.7	31

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19	Round Robin Study--Oil Spill Identification. <i>Environmental Forensics</i> , 2002, 3, 279-291.	2.6	30
20	Transport of creosote compounds in a large, intact, macroporous clayey till column. <i>Journal of Contaminant Hydrology</i> , 1999, 39, 309-329.	3.3	29
21	Polychlorinated biphenyls, organochlorine pesticides and polycyclic aromatic hydrocarbons in a one-off global survey of bivalves. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1141.	2.1	25
22	Pixel-Based Analysis of Comprehensive Two-Dimensional Gas Chromatograms (Color Plots) of Petroleum: A Tutorial. <i>Analytical Chemistry</i> , 2014, 86, 7160-7170.	6.5	25
23	New insights into the effect of pressure on catalytic hydrolysis of biomass. <i>Fuel Processing Technology</i> , 2019, 193, 392-403.	7.2	25
24	Particulate organic nitrates. <i>Atmospheric Environment</i> , 1998, 32, 2601-2608.	4.1	24
25	Improved and Standardized Methodology for Oil Spill Fingerprinting. <i>Environmental Forensics</i> , 2002, 3, 263-278.	2.6	24
26	Catalytic Hydrolysis of Biomass Using Molybdenum Sulfide Based Catalyst. Effect of Promoters. <i>Energy & Fuels</i> , 2019, 33, 1302-1313.	5.1	24
27	Method development for trace analysis of heteroaromatic compounds in contaminated groundwater. <i>Journal of Chromatography A</i> , 1996, 738, 295-304.	3.7	23
28	Benzene emission from the actual car fleet in relation to petrol composition in Denmark. <i>Atmospheric Environment</i> , 2001, 35, 35-42.	4.1	23
29	Degradation pathway of quinolines in a biofilm system under denitrifying conditions. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 1821-1828.	4.3	22
30	Effect of the catalyst in fluid bed catalytic hydrolysis. <i>Catalysis Today</i> , 2020, 355, 96-109.	4.4	22
31	Catalytic hydrolysis of biomass using supported CoMo catalysts – Effect of metal loading and support acidity. <i>Fuel</i> , 2020, 264, 116807.	6.4	22
32	Transport and biodegradation of creosote compounds in a large, intact, fractured clayey till column. <i>Journal of Contaminant Hydrology</i> , 1999, 39, 331-348.	3.3	19
33	Emerging CEN methodology for oil spill identification. , 2007, , 229-256.		14
34	Heteroaromatic compounds and their biodegradation products in creosote-contaminated groundwater. <i>Toxicological and Environmental Chemistry</i> , 1998, 66, 195-228.	1.2	13
35	Metals and organotins in multiple bivalve species in a one-off global survey. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1793.	2.1	11
36	Liquefaction of Lignosulfonate in Supercritical Ethanol Using Alumina-Supported NiMo Catalyst. <i>Energy & Fuels</i> , 2019, 33, 1196-1209.	5.1	11

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37	Chemical Feasibility Studies Concerning Potential Prodrugs of Acetylsalicylic Acid.. Acta Chemica Scandinavica, 1983, 37b, 351-359.	0.7	11
38	Pilot-scale hydrotreating of catalytic fast pyrolysis biocrudes: process performance and product analysis. Sustainable Energy and Fuels, 2021, 5, 4668-4679.	4.9	8
39	ELEMENTAL COMPOSITION OF AIRBORNE DUST IN THE SHALE SHAKER HOUSE DURING AN OFFSHORE DRILLING OPERATION. Annals of Occupational Hygiene, 1991, 35, 651-7.	1.9	7
40	CEN methodology for oil spill identification. , 2016, , 685-728.		7
41	Complementary Analysis of the Water-Soluble and Water-Insoluble Fraction of Catalytic Fast Pyrolysis Biocrudes by Two-Dimensional Gas Chromatography. Energy & Fuels, 2018, 32, 5960-5968.	5.1	7
42	Round Robin Studyâ€™Oil Spill Identification. Environmental Forensics, 2002, 3, 279-291.	2.6	4
43	Wax precipitation from North Sea crude oils: 1. Crystallization and dissolution temperatures, and Newtonian and non-Newtonian flow properties. [Erratum to document cited in CA115(22):235975d]. Energy & Fuels, 1992, 6, 870-870.	5.1	2