Mikael HÃ¶Ã¶k

List of Publications by Year
in descending order

78 papers	5,270 citations	94269 37 h-index	85405 71 g-index
78 all docs	78 docs citations	78 times ranked	6045 citing authors

#	Article	IF	Citations
1	Depletion of fossil fuels and anthropogenic climate changeâ€"A review. Energy Policy, 2013, 52, 797-809.	4.2	1,151
2	Lithium availability and future production outlooks. Applied Energy, 2013, 110, 252-266.	5.1	609
3	The Peak of the Oil Age â€“ Analyzing the world oil production Reference Scenario in World Energy Outlook 2008. Energy Policy, 2010, 38, 1398-1414.	4.2	254
4	Giant oil field decline rates and their influence on world oil production. Energy Policy, 2009, 37, 2262-2272.	4.2	227
5	Global coal production outlooks based on a logistic model. Fuel, 2010, 89, 3546-3558.	3.4	149
6	A review on coal-to-liquid fuels and its coal consumption. International Journal of Energy Research, 2010, 34, 848-864.	2.2	137
7	Forecasting the growth of Chinaâ€™s natural gas consumption. Energy, 2011, 36, 1380-1385.	4.5	136
8	Aviation fuel and future oil production scenarios. Energy Policy, 2009, 37, 4003-4010.	4.2	117
9	The implications of fossil fuel supply constraints on climate change projections: A supply-side analysis. Futures, 2017, 86, 58-72.	1.4	95
10	China's unconventional oil: A review of its resources and outlook for long-term production. Energy, 2015, 82, 31-42.	4.5	94
11	Historical trends in American coal production and a possible future outlook. International Journal of Coal Geology, 2009, 78, 201-216.	1.9	92
12	Phosphate rock production and depletion: Regional disaggregated modeling and global implications. Resources, Conservation and Recycling, 2014, 93, 178-187.	5.3	86
13	Energy modeling approach to the global energy-mineral nexus: Exploring metal requirements and the well-below 2â€‰Â°C target with 100 percent renewable energy. Applied Energy, 2018, 225, 1158-1175.	5.1	86
14	Production Decline Curves of Tight Oil Wells in Eagle Ford Shale. Natural Resources Research, 2017, 26, 365-377.	2.2	85
15	Reviewing electricity production cost assessments. Renewable and Sustainable Energy Reviews, 2014, 30, 170-183.	8.2	83
16	Clean coal use in China: Challenges and policy implications. Energy Policy, 2015, 87, 517-523.	4.2	82
17	A review of life cycle assessments on wind energy systems. International Journal of Life Cycle Assessment, 2012, 17, 729-742.	2.2	74
18	Chinese coal supply and future production outlooks. Energy, 2013, 60, 204-214.	4.5	72

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19	Descriptive and Predictive Growth Curves in Energy System Analysis. Natural Resources Research, 2011, 20, 103-116.	2.2	67
20	Validity of the Fossil Fuel Production Outlooks in the IPCC Emission Scenarios. Natural Resources Research, 2010, 19, 63-81.	2.2	65
21	Energy modeling approach to the global energy-mineral nexus: A first look at metal requirements and the 2 Â°C target. Applied Energy, 2017, 207, 494-509.	5.1	63
22	Analysis of energy embodied in the international trade of UK. Energy Policy, 2013, 57, 418-428.	4.2	61
23	Decline and depletion rates of oil production: a comprehensive investigation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20120448.	1.6	58
24	Net oil exports embodied in China's international trade: An inputâ€“output analysis. Energy, 2012, 48, 464-471.	4.5	57
25	Material requirements and availability for multi-terawatt deployment of photovoltaics. Energy Policy, 2017, 108, 574-582.	4.2	56
26	Global oil risks in the early 21st century. Energy Policy, 2011, 39, 7865-7873.	4.2	55
27	Development of oil formation theories and their importance for peak oil. Marine and Petroleum Geology, 2010, 27, 1995-2004.	1.5	54
28	Sustainable Energy Transitions in China: Renewable Options and Impacts on the Electricity System. Energies, 2016, 9, 980.	1.6	53
29	Oil projections in retrospect: Revisions, accuracy and current uncertainty. Applied Energy, 2018, 220, 138-153.	5.1	53
30	Forecast of oil reserves and production in Daqing oilfield of China. Energy, 2010, 35, 3097-3102.	4.5	50
31	Development journey and outlook of Chinese giant oilfields. Petroleum Exploration and Development, 2010, 37, 237-249.	3.0	49
32	Growth Rates of Global Energy Systems and Future Outlooks. Natural Resources Research, 2012, 21, 23-41.	2.2	49
33	Assessing Rare Metal Availability Challenges for Solar Energy Technologies. Sustainability, 2015, 7, 11818-11837.	1.6	49
34	The Evolution of Giant Oil Field Production Behavior. Natural Resources Research, 2009, 18, 39-56.	2.2	47
35	Energy Return on Investment for Norwegian Oil and Gas from 1991 to 2008. Sustainability, 2011, 3, 2050-2070.	1.6	42
36	Dilemmas for China: Energy, Economy and Environment. Sustainability, 2015, 7, 5508-5520.	1.6	42

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37	Growth curves and sustained commissioning modelling of renewable energy: Investigating resource constraints for wind energy. Energy Policy, 2014, 73, 767-776.	4.2	39
38	A decline rate study of Norwegian oil production. Energy Policy, 2008, 36, 4262-4271.	4.2	37
39	Trade-off analysis between embodied energy exports and employment creation in China. Journal of Cleaner Production, 2016, 134, 310-319.	4.6	36
40	How reasonable are oil production scenarios from public agencies?. Energy Policy, 2009, 37, 4809-4818.	4.2	34
41	Energy and water conservation synergy in China: 2007â€“2012. Resources, Conservation and Recycling, 2017, 127, 206-215.	5.3	34
42	The role of energy-water nexus in water conservation at regional levels in China. Journal of Cleaner Production, 2019, 210, 298-308.	4.6	34
43	Trends in U.S. Recoverable Coal Supply Estimates and Future Production Outlooks. Natural Resources Research, 2010, 19, 189-208.	2.2	33
44	Projection of long-term paths for Australian coal productionâ€”Comparisons of four models. International Journal of Coal Geology, 2011, 86, 329-341.	1.9	32
45	Bridging energy and metal sustainability: Insights from Chinaâ€™s wind power development up to 2050. Energy, 2021, 227, 120524.	4.5	29
46	Hydrocarbon liquefaction: viability as a peak oil mitigation strategy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20120319.	1.6	28
47	Carbon capture and coal consumption: Implications of energy penalties and large scale deployment. Energy Strategy Reviews, 2015, 7, 18-28.	3.3	26
48	Chinaâ€™s Energy Transition in the Power and Transport Sectors from a Substitution Perspective. Energies, 2017, 10, 600.	1.6	23
49	Energy savings in China's energy sectors and contributions to air pollution reduction in the 12th Five Year Plan. Journal of Cleaner Production, 2018, 200, 305-317.	4.6	23
50	Depletion rate analysis of fields and regions: A methodological foundation. Fuel, 2014, 121, 95-108.	3.4	22
51	Sustainability Assessment of the Natural Gas Industry in China Using Principal Component Analysis. Sustainability, 2015, 7, 6102-6118.	1.6	21
52	Evaluating metal constraints for photovoltaics: Perspectives from Chinaâ€™s PV development. Applied Energy, 2021, 282, 116148.	5.1	20
53	Bi-objective optimization of water management in shale gas exploration with uncertainty: A case study from Sichuan, China. Resources, Conservation and Recycling, 2019, 143, 226-235.	5.3	18
54	Emergy-based energy return on investment method for evaluating energy exploitation. Energy, 2017, 128, 540-549.	4.5	17

#	ARTICLE	IF	CITATIONS
55	Environmental impacts from conventional and shale gas and oil development in China considering regional differences and well depth. Resources, Conservation and Recycling, 2021, 167, 105368.	5.3	17
56	Production Patterns of Eagle Ford Shale Gas: Decline Curve Analysis Using 1084 Wells. Sustainability, 2016, 8, 973.	1.6	16
57	Extended-exergy based energy return on investment method and its application to shale gas extraction in China. Journal of Cleaner Production, 2020, 260, 120933.	4.6	16
58	Future Danish oil and gas export. Energy, 2009, 34, 1826-1834.	4.5	14
59	What if there had only been half the oil? Rewriting history to envision the consequences of peak oil. Energy Research and Social Science, 2017, 31, 170-178.	3.0	14
60	Offshore oil: Investigating production parameters of fields of varying size, location and water depth. Fuel, 2015, 139, 430-440.	3.4	10
61	Nexus Between Energy Consumption and Economic Growth in China: From the Perspective of Embodied Energy Imports and Exports. Emerging Markets Finance and Trade, 2016, 52, 1298-1304.	1.7	10
62	Can the Shanghai LNG Price Index indicate Chinese market? An econometric investigation using price discovery theory. Frontiers in Energy, 2020, 14, 726-739.	1.2	10
63	Fractured visions: Anticipating (un)conventional natural gas in Poland. Resources Policy, 2020, 68, 101760.	4.2	8
64	Investment and production dynamics of conventional oil and unconventional tight oil: Implications for oil markets and climate strategies. Energy and Climate Change, 2020, 1, 100010.	2.2	8
65	Characteristic Production Decline Patterns for Shale Gas Wells in Barnett. International Journal of Sustainable Future for Human Security, 2017, 5, 12-21.	0.1	8
66	Employment impacts of petroleum industry in China: an input-output analysis. International Journal of Global Energy Issues, 2013, 36, 116.	0.2	6
67	Risk evaluation of technology innovation in China's oil and gas industry. International Journal of Global Energy Issues, 2013, 36, 1.	0.2	5
68	Evaluation and update of Norwegian and Danish oil production forecasts and implications for Swedish oil import. Energy, 2014, 65, 333-345.	4.5	5
69	Future Coal Production Outlooks in the Ipcc Emission Scenarios: Are They Plausible?. Energy and Environment, 2011, 22, 837-857.	2.7	4
70	Energy modeling approach to the global energy-mineral nexus: A case of fuel cell vehicle. Energy Procedia, 2017, 142, 2361-2364.	1.8	4
71	Global Energy-mineral Nexus by Systems Analysis Approaches. Energy Procedia, 2017, 105, 3345-3348.	1.8	3
72	How Many Wells? Exploring the Scope of Shale Gas Production for Achieving Gas Self-Sufficiency in Poland. Natural Resources Research, 2021, 30, 2483-2496.	2.2	3

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73	Coal and Peat: Global Resources and Future Supply. , 2013, , 311-341.		2
74	Mapping Chinese supply. Nature Energy, 2018, 3, 166-167.	19.8	1
75	Coal and Peat: Global Resources and Future Supply. , 2020, , 309-331.		1
76	Fuelling Future Emissions â€“ Examining Fossil Fuel Production Outlooks Used in Climate Models. , 0, , .		0
77	Coal and Peat: Global Resources and Future Supply. , 2017, , 1-24.		0
78	The role of trade in energy security for developing nations and a globalised economy. , 2018, , 143-162.		0