

# Nikolaos E Tsakoumis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4270397/publications.pdf>

Version: 2024-02-01

17  
papers

1,244  
citations

567281

15  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deactivation of cobalt based Fischer-Tropsch catalysts: A review. <i>Catalysis Today</i> , 2010, 154, 162-182.	4.4	509
2	On the selectivity to higher hydrocarbons in Co-based Fischer-Tropsch synthesis. <i>Catalysis Today</i> , 2016, 261, 3-16.	4.4	100
3	Combined XRD and XANES studies of a Re-promoted Co/Al <sub>2</sub> O <sub>3</sub> catalyst at Fischer-Tropsch synthesis conditions. <i>Catalysis Today</i> , 2010, 155, 289-295.	4.4	95
4	Multivariate curve resolution applied to in situ X-ray absorption spectroscopy data: An efficient tool for data processing and analysis. <i>Analytica Chimica Acta</i> , 2014, 840, 20-27.	5.4	87
5	Evaluation of Reoxidation Thresholds for Al <sub>2</sub> O <sub>3</sub> -Supported Cobalt Catalysts under Fischer-Tropsch Synthesis Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 3706-3715.	13.7	84
6	Fischer-Tropsch synthesis: An XAS/XRPD combined in situ study from catalyst activation to deactivation. <i>Journal of Catalysis</i> , 2012, 291, 138-148.	6.2	78
7	Catalyst characterisation techniques and reaction cells operating at realistic conditions; towards acquisition of kinetically relevant information. <i>Catalysis Science and Technology</i> , 2015, 5, 4859-4883.	4.1	50
8	A combined in situ XAS-XRPD-Raman study of Fischer-Tropsch synthesis over a carbon supported Co catalyst. <i>Catalysis Today</i> , 2013, 205, 86-93.	4.4	48
9	Structure-Performance Relationships on Co-Based Fischer-Tropsch Synthesis Catalysts: The More Defect-Free, the Better. <i>ACS Catalysis</i> , 2019, 9, 511-520.	11.2	45
10	Water as key to activity and selectivity in Co Fischer-Tropsch synthesis: Al <sub>2</sub> O <sub>3</sub> -alumina based structure-performance relationships. <i>Journal of Catalysis</i> , 2018, 365, 334-343.	6.2	33
11	X-ray absorption, X-ray diffraction and electron microscopy study of spent cobalt based catalyst in semi-commercial scale Fischer-Tropsch synthesis. <i>Applied Catalysis A: General</i> , 2014, 479, 59-69.	4.3	30
12	The impact of sequential H <sub>2</sub> -CO-H <sub>2</sub> activation treatment on the structure and performance of cobalt based catalysts for the Fischer-Tropsch synthesis. <i>Applied Catalysis A: General</i> , 2018, 549, 280-288.	4.3	27
13	The state and location of Re in Co/Al <sub>2</sub> O <sub>3</sub> catalysts during Fischer-Tropsch synthesis: Exploring high-energy XAFS for in situ catalysts characterisation. <i>Catalysis Today</i> , 2014, 229, 23-33.	4.4	22
14	Hydrophobic catalyst support surfaces by silylation of Al <sub>2</sub> O <sub>3</sub> -alumina for Co/Re Fischer-Tropsch synthesis. <i>Catalysis Today</i> , 2018, 299, 20-27.	4.4	19
15	Capturing metal-support interactions in situ during the reduction of a Re promoted Co/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Chemical Communications</i> , 2016, 52, 3239-3242.	4.1	17
16	Midnight-sun-induced natural gas conversion. <i>Catalysis Today</i> , 2018, 299, 2-9.	4.4	0
17	Nanostructural Analysis of Co/Al <sub>2</sub> O <sub>3</sub> Fischer-Tropsch Catalyst by TEM and XRD. <i>ChemCatChem</i> , 0, , .	3.7	0