

# Nikolaos E Tsakoumis

## List of Publications by Year in descending order

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