

Tom W Van Deelen

List of Publications by Year in descending order

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12
papers

1,838
citations

840776

11
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

2598
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of metal-support interactions in heterogeneous catalysts to enhance activity and selectivity. <i>Nature Catalysis</i> , 2019, 2, 955-970.	34.4	1,192
2	Activity enhancement of cobalt catalysts by tuning metal-support interactions. <i>Nature Communications</i> , 2018, 9, 4459.	12.8	179
3	Manufacture of highly loaded silica-supported cobalt Fischer-Tropsch catalysts from a metal organic framework. <i>Nature Communications</i> , 2017, 8, 1680.	12.8	128
4	Promoted cobalt metal catalysts suitable for the production of lower olefins from natural gas. <i>Nature Communications</i> , 2019, 10, 167.	12.8	79
5	Effects of the Functionalization of the Ordered Mesoporous Carbon Support Surface on Iron Catalysts for the Fischer-Tropsch Synthesis of Lower Olefins. <i>ChemCatChem</i> , 2017, 9, 620-628.	3.7	50
6	Preparation of Cobalt Nanocrystals Supported on Metal Oxides To Study Particle Growth in Fischer-Tropsch Catalysts. <i>ACS Catalysis</i> , 2018, 8, 10581-10589.	11.2	43
7	Transformations of polyols to organic acids and hydrogen in aqueous alkaline media. <i>Catalysis Science and Technology</i> , 2014, 4, 2353-2366.	4.1	41
8	Atomic-Scale Investigation of the Structural and Electronic Properties of Cobalt-Iron Bimetallic Fischer-Tropsch Catalysts. <i>ACS Catalysis</i> , 2019, 9, 7998-8011.	11.2	37
9	Effects of calcination and activation conditions on ordered mesoporous carbon supported iron catalysts for production of lower olefins from synthesis gas. <i>Catalysis Science and Technology</i> , 2016, 6, 8464-8473.	4.1	34
10	Cobalt nanocrystals on carbon nanotubes in the Fischer-Tropsch synthesis: Impact of support oxidation. <i>Applied Catalysis A: General</i> , 2020, 593, 117441.	4.3	31
11	Assembly and activation of supported cobalt nanocrystal catalysts for the Fischer-Tropsch synthesis. <i>Chemical Communications</i> , 2018, 54, 2530-2533.	4.1	21
12	Disk-Shaped Cobalt Nanocrystals as Fischer-Tropsch Synthesis Catalysts Under Industrially Relevant Conditions. <i>Topics in Catalysis</i> , 2020, 63, 1398-1411.	2.8	3