

# Tigran Margossian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6273272/publications.pdf>

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13  
papers

797  
citations

1040056

9  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperativity and Dynamics Increase the Performance of NiFe Dry Reforming Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 1937-1949.	13.7	322
2	Contrasting the Role of Ni/Al <sub>2</sub> O <sub>3</sub> Interfaces in Water-Gas Shift and Dry Reforming of Methane. <i>Journal of the American Chemical Society</i> , 2017, 139, 17128-17139.	13.7	172
3	Molecularly Tailored Nickel Precursor and Support Yield a Stable Methane Dry Reforming Catalyst with Superior Metal Utilization. <i>Journal of the American Chemical Society</i> , 2017, 139, 6919-6927.	13.7	111
4	Supported Bimetallic NiFe Nanoparticles through Colloid Synthesis for Improved Dry Reforming Performance. <i>ACS Catalysis</i> , 2017, 7, 6942-6948.	11.2	77
5	<i>In Situ</i> XRD and Dynamic Nuclear Polarization Surface Enhanced NMR Spectroscopy Unravel the Deactivation Mechanism of CaO-Based, Ca <sub>3</sub> Al <sub>2</sub> O <sub>6</sub> -Stabilized CO <sub>2</sub> Sorbents. <i>Chemistry of Materials</i> , 2018, 30, 1344-1352.	6.7	40
6	Bi-functional Ru/Ca <sub>3</sub> Al <sub>2</sub> O <sub>6</sub> -CaO catalyst-CO <sub>2</sub> sorbent for the production of high purity hydrogen via sorption-enhanced steam methane reforming. <i>Catalysis Science and Technology</i> , 2019, 9, 5745-5756.	4.1	25
7	Increased methanation activity through passivation of the silica support. <i>Journal of Catalysis</i> , 2015, 324, 9-13.	6.2	15
8	Origin of the Improved Performance in Lanthanum-doped Silica-supported Ni Catalysts. <i>ChemCatChem</i> , 2017, 9, 586-596.	3.7	15
9	Tailored bimodal ultra-high molecular weight polyethylene particles. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1645-1656.	2.3	11
10	Composition-dependent surface chemistry of colloidal Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> perovskite nanocrystals. <i>Chemical Communications</i> , 2016, 52, 13791-13794.	4.1	3
11	Metal(II) Formates (M=Fe, Co, Ni, and Cu) Stabilized by Tetramethylethylenediamine (tmeda): Convenient Molecular Precursors for the Synthesis of Supported Nanoparticles. <i>Helvetica Chimica Acta</i> , 2019, 102, e1800227.	1.6	3
12	Conformal Deposition of Conductive Single-Crystalline Cobalt Silicide Layer on Si Wafer via a Molecular Approach. <i>Chemistry of Materials</i> , 2018, 30, 2168-2173.	6.7	2
13	Low-Temperature Wet Conformal Nickel Silicide Deposition for Transistor Technology through an Organometallic Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4948-4955.	8.0	1