

Tigran Margossian

List of Publications by Year in descending order

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13
papers

797
citations

1040056

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1125743

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13
times ranked

1095
citing authors

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