

Samuel A Tenney

List of Publications by Year in descending order

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papers

661
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623734

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times ranked

1147
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Nucleation and Growth of Metals on TiO ₂ : Co Compared to Au, Ni, and Pt. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7191-7201.	3.1	84
2	Adsorbate-Induced Changes in the Surface Composition of Bimetallic Clusters: Pt ⁺ Au on TiO ₂ (110). <i>Journal of Physical Chemistry C</i> , 2010, 114, 21652-21663.	3.1	70
3	CO-Induced Diffusion of Ni Atoms to the Surface of Ni ⁺ Au Clusters on TiO ₂ (110). <i>Journal of Physical Chemistry C</i> , 2011, 115, 11112-11123.	3.1	60
4	Decomposition of Dimethyl Methylphosphonate on Pt, Au, and Au ⁺ Pt Clusters Supported on TiO ₂ (110). <i>Langmuir</i> , 2009, 25, 216-225.	3.5	46
5	Characterization of Pt ⁺ Au and Ni ⁺ Au Clusters on TiO ₂ (110). <i>Topics in Catalysis</i> , 2011, 54, 42-55.	2.8	38
6	Enhanced activity for supported Au clusters: Methanol oxidation on Au/TiO ₂ (110). <i>Surface Science</i> , 2012, 606, 1233-1243.	1.9	34
7	Inverse Catalysts for CO Oxidation: Enhanced Oxide ⁺ Metal Interactions in MgO/Au(111), CeO ₂ /Au(111), and TiO ₂ /Au(111). <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10783-10791.	6.7	32
8	Nucleation, Growth, and Adsorbate-Induced Changes in Composition for Co ⁺ Au Bimetallic Clusters on TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2012, 116, 24616-24629.	3.1	31
9	Oxygen-Promoted Methane Activation on Copper. <i>Journal of Physical Chemistry B</i> , 2018, 122, 855-863.	2.6	29
10	Oxidation of the Ru(0001) surface covered by weakly bound, ultrathin silicate films. <i>Surface Science</i> , 2016, 646, 19-25.	1.9	28
11	<i>In Situ</i> Studies of Carbon Monoxide Oxidation on Platinum and Platinum ⁺ Rhenium Alloy Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 381-391.	3.1	25
12	Methanol Reaction on Pt ⁺ Au Clusters on TiO ₂ (110): Methoxy-Induced Diffusion of Pt. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26998-27006.	3.1	21
13	<i>In Situ</i> Ambient Pressure X-ray Photoelectron Spectroscopy Studies of Methanol Oxidation on Pt(111) and Pt ⁺ Re Alloys. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23082-23093.	3.1	20
14	Multi-modal surface analysis of porous films under <i>operando</i> conditions. <i>AIP Advances</i> , 2020, 10, .	1.3	19
15	Electro-thermal modeling and experimental validation for multilayered metallic microstructures. <i>Microsystem Technologies</i> , 2021, 27, 2041-2048.	2.0	16
16	Interactions of Hydrogen, CO, Oxygen, and Water with Molybdenum-Modified Pt(111). <i>Journal of Physical Chemistry C</i> , 2013, 117, 26716-26724.	3.1	14
17	Structural Phase Transitions of NbO ₂ : Bulk versus Surface. <i>Chemistry of Materials</i> , 2021, 33, 1416-1425.	6.7	14
18	Enhanced Catalysis under 2D Silica: A CO Oxidation Study. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10888-10894.	13.8	12

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19	Crystal structure reconstruction in the surface monolayer of the quantum spin liquid candidate $\text{Ir}_2\text{-RuCl}_3$. <i>2D Materials</i> , 2020, 7, 035004.	4.4	11
20	Key Structure-Property Relationships in CO_2 Capture by Supported Alkanolamines. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19252-19258.	3.1	8
21	Solid-solid dewetting of scandium thin films on the W(100) surface observed using emission microscopy. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, .	1.2	7
22	Reversible Formation of Silanol Groups in Two-Dimensional Siliceous Nanomaterials under Mild Hydrothermal Conditions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18045-18053.	3.1	7
23	Alloy oxidation as a route to chemically active nanocomposites of gold atoms in a reducible oxide matrix. <i>Nanoscale Horizons</i> , 2016, 1, 212-219.	8.0	6
24	Observation of intercalation-driven zone folding in quasi-free-standing graphene energy bands. <i>Physical Review B</i> , 2019, 99, .	3.2	6
25	Oxidation of palladium on Au(111) and ZnO(0001) supports. <i>Journal of Chemical Physics</i> , 2014, 141, 154702.	3.0	5
26	Quantum-Well Bound States in Graphene Heterostructure Interfaces. <i>Physical Review Letters</i> , 2021, 127, 086805.	7.8	5
27	Novel recirculating loop reactor for studies on model catalysts: CO oxidation on Pt/TiO ₂ (110). <i>Review of Scientific Instruments</i> , 2013, 84, 104101.	1.3	4
28	Confinement Effects on Furfuryl Alcohol Reactions over Porous Bilayer Silica-Modified Pd(111). <i>Journal of Physical Chemistry C</i> , 2020, 124, 25437-25446.	3.1	4
29	Morphology of Palladium Thin Film Deposited on a Two-Dimensional Bilayer Aluminosilicate. <i>Topics in Catalysis</i> , 2019, 62, 1067-1075.	2.8	3
30	Correlation of Auger electron spectroscopy and microsynchrotron radiation x-ray photoelectron spectroscopy investigations of Ba-Sc-O desorption on W(100). <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, .	1.2	1
31	Enhanced Catalysis under 2D Silica: A CO Oxidation Study. <i>Angewandte Chemie</i> , 2021, 133, 10983-10989.	2.0	1