Claude R Henry

List of Publications by Year
in descending order

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34	3,148	361413	395702
papers	citations	20 h-index	33 g-index

35	35	35	3342
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CO and O₂ Adsorption and CO Oxidation on Pt Nanoparticles by Indirect Nanoplasmonic Sensing. ACS Omega, 2021, 6, 13398-13405.	3.5	5
2	Activity of Pdn (n = 1â€“5) Clusters on Alumina Film on Ni3Al(111) for CO Oxidation: A Molecular Beam Study. Journal of Physical Chemistry C, 2021, 125, 13247-13253.	3.1	1
3	Particle size effect on the Langmuir-Hinshelwood barrier for CO oxidation on regular arrays of Pd clusters supported on ultrathin alumina films. Journal of Chemical Physics, 2019, 151, 174703.	3.0	5
4	Regular Arrays of Pt Clusters on Alumina: A New Superstructure on Al₂O₃/Ni₃Al(111). Journal of Physical Chemistry C, 2019, 123, 24487-24494.	3.1	3
5	Molecular Beam Study of the CO Adsorption on a Regular Array of PdAu Clusters on Alumina. Journal of Physical Chemistry C, 2019, 123, 7961-7967.	3.1	5
6	Water Adsorption by a Sensitive Calibrated Gold Plasmonic Nanosensor. Langmuir, 2018, 34, 5381-5385.	3.5	13
7	Nonisotropic Selfâ€Assembly of Nanoparticles: From Compact Packing to Functional Aggregates. Advanced Materials, 2018, 30, e1706558.	21.0	38
8	CO Chemisorption on Ultrathin MgO-Supported Palladium Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 5551-5564.	3.1	17
9	Molecular Beam Study of the Oxidation of Carbon Monoxide on a Regular Array of Palladium Clusters on Alumina. Journal of Physical Chemistry C, 2017, 121, 10706-10712.	3.1	8
10	Influence of Palladium on the Ordering, Final Size, and Composition of Pdâ€“Au Nanoparticle Arrays. Journal of Physical Chemistry C, 2017, 121, 25864-25874.	3.1	7
11	Molecular beam study of the CO oxidation on a regular array of Pd clusters on alumina. , 2016, , .		0
12	Coreâ€“shell Pdâ€“Pt nanocubes for the CO oxidation. Journal of Catalysis, 2016, 336, 33-40.	6.2	36
13	Indirect Nanoplasmonic Sensing to Probe with a High Sensitivity the Interaction of Water Vapor with Soot Aerosols. Journal of Physical Chemistry Letters, 2015, 6, 4148-4152.	4.6	4
14	2D-Arrays of Nanoparticles as Model Catalysts. Catalysis Letters, 2015, 145, 731-749.	2.6	54
15	Kelvin Probe Force Microscopy in Surface Chemistry: Reactivity of Pd Nanoparticles on Highly Oriented Pirolytic Graphite. ACS Catalysis, 2014, 4, 1838-1844.	11.2	29
16	Transition from Molecule to Solid State: Reactivity of Supported Metal Clusters. Nano Letters, 2013, 13, 1977-1982.	9.1	49
17	Regular arrays of palladium and palladium-gold clusters supported on ultrathin alumina films: stability under oxygen. International Journal of Nanotechnology, 2012, 9, 567.	0.2	6
18	Characterization of Thin MgO Films on Ag(001) by Low-Energy Electron Diffraction and Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2011, 115, 8034-8041.	3.1	25

#	Article	IF	Citations
19	Recent Trends in Surface Characterization and Chemistry with Highâ€Resolution Scanning Force Methods. Advanced Materials, 2011, 23, 477-501.	21.0	214
20	Imaging the real shape of nanoclusters in scanning force microscopy. Journal of Applied Physics, 2008, 103, 054313.	2.5	31
21	Cluster Chemistry:â€‰ Size-Dependent Reactivity Induced by Reverse Spill-Over. Journal of the American Chemical Society, 2007, 129, 9635-9639.	13.7	52
22	Gold nanoclusters on alkali halide surfaces: Charging and tunneling. Applied Physics Letters, 2006, 89, 252119.	3.3	37
23	Surface Structure of an Ultrathin Alumina Film onNi3Al(111): A Dynamic Scanning Force Microscopy Study. Physical Review Letters, 2006, 97, 126106.	7.8	60
24	Morphology of supported nanoparticles. Progress in Surface Science, 2005, 80, 92-116.	8.3	362
25	Reaction dynamics on supported metal clusters. Chemical Physics of Solid Surfaces, 2003, 11, 247-290.	0.3	7
26	Real-Time Monitoring of Growing Nanoparticles. Science, 2003, 300, 1416-1419.	12.6	347
27	Reactivity of metal nanoclusters: nitric oxide adsorption and CO+NO reaction on Pd/MgO model catalysts. Applied Surface Science, 2000, 162-163, 670-678.	6.1	55
28	Reaction between CO and a pre-adsorbed oxygen layer on supported palladium clusters. Applied Surface Science, 2000, 164, 156-162.	6.1	42
29	Catalytic activity of supported nanometer-sized metal clusters. Applied Surface Science, 2000, 164, 252-259.	6.1	113
30	Molecular beam study of the adsorption and dissociation of NO on Pd clusters supported on MgO(100). Surface Science, 2000, 452, 198-206.	1.9	34
31	Surface studies of supported model catalysts. Surface Science Reports, 1998, 31, 231-325.	7.2	1,417
32	Growth, Structure and Morphology of Supported Metal Clusters Studied by Surface Science Techniques. Crystal Research and Technology, 1998, 33, 1119-1140.	1.3	28
33	Power laws in the growth kinetics of metal clusters on oxide surfaces. Vacuum, 1998, 50, 157-163.	3.5	28
34	Nucleation and growth kinetics of Pd and CuPd particles on NaCl(100). New Journal of Chemistry, 1998, 22, 1289-1294.	2.8	16