

Claude R Henry

List of Publications by Year in descending order

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34
papers

3,148
citations

361413

20
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

3342
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface studies of supported model catalysts. <i>Surface Science Reports</i> , 1998, 31, 231-325.	7.2	1,417
2	Morphology of supported nanoparticles. <i>Progress in Surface Science</i> , 2005, 80, 92-116.	8.3	362
3	Real-Time Monitoring of Growing Nanoparticles. <i>Science</i> , 2003, 300, 1416-1419.	12.6	347
4	Recent Trends in Surface Characterization and Chemistry with High-Resolution Scanning Force Methods. <i>Advanced Materials</i> , 2011, 23, 477-501.	21.0	214
5	Catalytic activity of supported nanometer-sized metal clusters. <i>Applied Surface Science</i> , 2000, 164, 252-259.	6.1	113
6	Surface Structure of an Ultrathin Alumina Film on Ni ₃ Al(111): A Dynamic Scanning Force Microscopy Study. <i>Physical Review Letters</i> , 2006, 97, 126106.	7.8	60
7	Reactivity of metal nanoclusters: nitric oxide adsorption and CO+NO reaction on Pd/MgO model catalysts. <i>Applied Surface Science</i> , 2000, 162-163, 670-678.	6.1	55
8	2D-Arrays of Nanoparticles as Model Catalysts. <i>Catalysis Letters</i> , 2015, 145, 731-749.	2.6	54
9	Cluster Chemistry: Size-Dependent Reactivity Induced by Reverse Spill-Over. <i>Journal of the American Chemical Society</i> , 2007, 129, 9635-9639.	13.7	52
10	Transition from Molecule to Solid State: Reactivity of Supported Metal Clusters. <i>Nano Letters</i> , 2013, 13, 1977-1982.	9.1	49
11	Reaction between CO and a pre-adsorbed oxygen layer on supported palladium clusters. <i>Applied Surface Science</i> , 2000, 164, 156-162.	6.1	42
12	Nonisotropic Self-Assembly of Nanoparticles: From Compact Packing to Functional Aggregates. <i>Advanced Materials</i> , 2018, 30, e1706558.	21.0	38
13	Gold nanoclusters on alkali halide surfaces: Charging and tunneling. <i>Applied Physics Letters</i> , 2006, 89, 252119.	3.3	37
14	Core-shell Pd-Pt nanocubes for the CO oxidation. <i>Journal of Catalysis</i> , 2016, 336, 33-40.	6.2	36
15	Molecular beam study of the adsorption and dissociation of NO on Pd clusters supported on MgO(100). <i>Surface Science</i> , 2000, 452, 198-206.	1.9	34
16	Imaging the real shape of nanoclusters in scanning force microscopy. <i>Journal of Applied Physics</i> , 2008, 103, 054313.	2.5	31
17	Kelvin Probe Force Microscopy in Surface Chemistry: Reactivity of Pd Nanoparticles on Highly Oriented Pyrolytic Graphite. <i>ACS Catalysis</i> , 2014, 4, 1838-1844.	11.2	29
18	Growth, Structure and Morphology of Supported Metal Clusters Studied by Surface Science Techniques. <i>Crystal Research and Technology</i> , 1998, 33, 1119-1140.	1.3	28

#	ARTICLE	IF	CITATIONS
19	Power laws in the growth kinetics of metal clusters on oxide surfaces. <i>Vacuum</i> , 1998, 50, 157-163.	3.5	28
20	Characterization of Thin MgO Films on Ag(001) by Low-Energy Electron Diffraction and Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8034-8041.	3.1	25
21	CO Chemisorption on Ultrathin MgO-Supported Palladium Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5551-5564.	3.1	17
22	Nucleation and growth kinetics of Pd and CuPd particles on NaCl(100). <i>New Journal of Chemistry</i> , 1998, 22, 1289-1294.	2.8	16
23	Water Adsorption by a Sensitive Calibrated Gold Plasmonic Nanosensor. <i>Langmuir</i> , 2018, 34, 5381-5385.	3.5	13
24	Molecular Beam Study of the Oxidation of Carbon Monoxide on a Regular Array of Palladium Clusters on Alumina. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10706-10712.	3.1	8
25	Reaction dynamics on supported metal clusters. <i>Chemical Physics of Solid Surfaces</i> , 2003, 11, 247-290.	0.3	7
26	Influence of Palladium on the Ordering, Final Size, and Composition of Pd-Au Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25864-25874.	3.1	7
27	Regular arrays of palladium and palladium-gold clusters supported on ultrathin alumina films: stability under oxygen. <i>International Journal of Nanotechnology</i> , 2012, 9, 567.	0.2	6
28	Particle size effect on the Langmuir-Hinshelwood barrier for CO oxidation on regular arrays of Pd clusters supported on ultrathin alumina films. <i>Journal of Chemical Physics</i> , 2019, 151, 174703.	3.0	5
29	Molecular Beam Study of the CO Adsorption on a Regular Array of PdAu Clusters on Alumina. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7961-7967.	3.1	5
30	CO and O ₂ Adsorption and CO Oxidation on Pt Nanoparticles by Indirect Nanoplasmonic Sensing. <i>ACS Omega</i> , 2021, 6, 13398-13405.	3.5	5
31	Indirect Nanoplasmonic Sensing to Probe with a High Sensitivity the Interaction of Water Vapor with Soot Aerosols. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4148-4152.	4.6	4
32	Regular Arrays of Pt Clusters on Alumina: A New Superstructure on Al ₂ O ₃ /Ni ₃ Al(111). <i>Journal of Physical Chemistry C</i> , 2019, 123, 24487-24494.	3.1	3
33	Activity of Pd _n (n = 1-5) Clusters on Alumina Film on Ni ₃ Al(111) for CO Oxidation: A Molecular Beam Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13247-13253.	3.1	1
34	Molecular beam study of the CO oxidation on a regular array of Pd clusters on alumina. , 2016, , .		0