Gregory Cabailh

List of Publications by Year
in descending order

51
papers

1,580
citations

361413
20
h-index

302126
39
g-index

51
all docs

51
docs citations

51
times ranked

2624
citing authors

#	Article	IF	Citations
1	Electron traps and their effect on the surface chemistry of TiO ₂ (110). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2391-2396.	7.1	264
2	Structure of a model TiO2Âphotocatalytic interface. Nature Materials, 2017, 16, 461-466.	27.5	234
3	Size and Catalytic Activity of Supported Gold Nanoparticles: An in Operando Study during CO Oxidation. Journal of Physical Chemistry C, 2011, 115, 4673-4679.	3.1	132
4	Geometric Structure ofTiO2(011)(2Ã—1). Physical Review Letters, 2008, 101, 185501.	7.8	87
5	Geometric structure ofTiO2(110)(1Ã—1): Achieving experimental consensus. Physical Review B, 2007, 75, .	3.2	62
6	Redox Behavior of the Model Catalyst Pd/CeO2â^'x/Pt(111). Journal of Physical Chemistry C, 2008, 112, 10918-10922.	3.1	62
7	Modelling STM images of TiO2(110) from first-principles: Defects, water adsorption and dissociation products. Chemical Physics Letters, 2007, 437, 73-78.	2.6	52
8	Geometric structure of anatase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mn>101</mml:mn> Physical Review B, 2017, 95, .	3.2	45
9	Water Dissociates at the Aqueous Interface with Reduced Anatase TiO₂ (101). Journal of Physical Chemistry Letters, 2018, 9, 3131-3136.	4.6	45
10	Tailored TiO2(110) surfaces and their reactivity. Nanotechnology, 2006, 17, 5397-5405.	2.6	43
11	Evidence for an active oxygen species on Au/TiO2(110) model catalysts during investigation with in situ X-ray photoelectron spectroscopy. Catalysis Today, 2012, 181, 20-25.	4.4	41
12	Geometric structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Confirming experimental conclusions. Physical Review B, 2010, 81, .	3.2	34
13	Growth and Reactivity of Titanium Oxide Ultrathin Films on Ni(110). Journal of Physical Chemistry C, 2007, 111, 7704-7710.	3.1	33
14	Growth and morphology of SnPc films on the S-GaAs(001) surface: a combined XPS, AFM and NEXAFS study. Applied Surface Science, 2004, 234, 131-137.	6.1	32
15	Thin NaCl films on silver (001): island growth and work function. New Journal of Physics, 2012, 14, 103037.	2.9	32
16	Bonding of Methyl Phosphonate to TiO₂(110). Journal of Physical Chemistry C, 2010, 114, 16983-16988.	3.1	23
17	Reduction of thin-film ceria on Pt(111) by supported Pd nanoparticles probed with resonant photoemission. Surface Science, 2011, 605, 1062-1066.	1.9	23
18	Synchrotron radiation studies of inorganicâ€"organic semiconductor interfaces. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 475-480.	1.4	22

#	Article	IF	Citations
19	Synchrotron radiation studies of the growth and beam damage of tin-phthalocyanine on GaAs(001)-1 Ã—6 substrates. Applied Surface Science, 2004, 234, 144-148.	6.1	22
20	Stoichiometry-Dependent Chemical Activity of Supported MgO(100) Films. Journal of Physical Chemistry A, 2011, 115, 7161-7168.	2.5	21
21	Surface and Epitaxial Stresses on Supported Metal Clusters. Nano Letters, 2016, 16, 2574-2579.	9.1	20
22	Self-Assembled Metallic Nanowires on a Dielectric Support: Pd on Rutile TiO₂(110). Nano Letters, 2009, 9, 155-159.	9.1	19
23	Transport in ITO Nanocrystals with Short- to Long-Wave Infrared Absorption for Heavy-Metal-Free Infrared Photodetection. ACS Applied Nano Materials, 2019, 2, 1621-1630.	5.0	19
24	Synthesis of TiO2(110) ultra-thin films on W(100) and their reactions with H2O. Surface Science, 2013, 616, 198-205.	1.9	18
25	Perylenes and phthalocyanines on GaAs(0 0 1) surfaces. Applied Surface Science, 2003, 212-213, 417-422.	6.1	17
26	Copper phthalocyanine on InSb(111)Aâ€"interface bonding, growth mode and energy band alignment. Journal of Physics Condensed Matter, 2003, 15, S2729-S2740.	1.8	16
27	Polyoxometalate as Control Agent for the Doping in HgSe Self-Doped Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 26680-26685.	3.1	16
28	Structure of a Superhydrophilic Surface: Wet Chemically Prepared Rutile-TiO₂(110)(1 Ã— 1). Journal of Physical Chemistry C, 2019, 123, 8463-8468.	3.1	15
29	Defect mediated manipulation of nanoclusters on an insulator. Scientific Reports, 2013, 3, 1270.	3.3	14
30	An XPS study of the interaction between tin(II) phthalocyanine and polycrystalline iron. Journal of Electron Spectroscopy and Related Phenomena, 2004, 141, 67-72.	1.7	10
31	Arrangement of metal phthalocyanines on Ge (001) 2Ã—1 surfaces. Applied Surface Science, 2008, 255, 775-777.	6.1	10
32	Water-Induced Reversal of the TiO₂(011)-(2 Ã— 1) Surface Reconstruction: Observed with in Situ Surface X-ray Diffraction. Journal of Physical Chemistry C, 2019, 123, 13545-13550.	3.1	9
33	An <i>In Situ</i> and Real-Time Plasmonic Approach of Seed/Adhesion Layers: Chromium Buffer Effect at the Zinc/Alumina Interface. Crystal Growth and Design, 2021, 21, 3528-3539.	3.0	9
34	Photoemission Fingerprints for Structural Identification of Titanium Dioxide Surfaces. Journal of Physical Chemistry Letters, 2016, 7, 3223-3228.	4.6	8
35	Band alignment at Ag/ZnO(0001) interfaces: A combined soft and hard x-ray photoemission study. Physical Review B, 2018, 97, .	3.2	8
36	Quantitative Structure of an Acetate Dye Molecule Analogue at the TiO₂â€"Acetic Acid Interface. Journal of Physical Chemistry C, 2016, 120, 7586-7590.	3.1	7

#	Article	IF	Citations
37	Aluminium segregation profiles in the (110), (100) and (111) surface regions of the Fe0.85Al0.15 random body-centered cubic alloy. Applied Surface Science, 2019, 492, 886-895.	6.1	7
38	Chromium Adsorption Reveals a Persistent Hydroxylation of Vacuum-Annealed Î±-Al₂O₃(0001). Journal of Physical Chemistry C, 2019, 123, 29245-29254.	3.1	7
39	Soft x-ray photoelectron spectroscopy of tinâ€"phthalocyanine/GaAs(001)- 1 Ã— 6 interface formation. Journal of Physics Condensed Matter, 2003, 15, S2741-S2748.	1.8	6
40	Adsorption of a chiral modifier on an oxide surface: Chemical nature of tartaric acid on rutile TiO2 (110). Applied Surface Science, 2019, 493, 1134-1141.	6.1	5
41	Understanding nanoscale effects in oxide/metal heteroepitaxy. Physical Review Materials, 2019, 3, .	2.4	5
42	Real-time monitoring of the evolving morphology and molecular structure at an organic-inorganic semiconductor interface: SnPc on GaAs(001). Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C5F5-C5F11.	1.2	4
43	Transport and optical gaps and energy band alignment at organic-inorganic interfaces. Journal of Applied Physics, 2013, 114, 123701.	2.5	4
44	Self-organized carbon-rich stripe formation from competitive carbon and aluminium segregation at Fe0.85Al0.15(1 1 0) surfaces. Applied Surface Science, 2018, 444, 457-466.	6.1	4
45	Al-rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si55.svg"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.85</m xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si56.svg"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Al</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.15</m	6.1	4
46	Oxide at the Al-rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>0.85</ surface. Physical Review Materials, 2020, 4, .	2.4	4
47	Soft X-ray photoelectron spectroscopy of metal-phthalocyanines on the (001) surface of GaAs and Ge. European Physical Journal Special Topics, 2006, 132, 11-15.	0.2	2
48	Orientation-dependent chemistry and band-bending of Ti on polar ZnO surfaces. Physical Chemistry Chemical Physics, 2017, 19, 10350-10357.	2.8	2
49	Growth of metal-phthalocyanine on GaAs(001): an NEXAFS study. , 2005, , .		1
50	Core level shifts as indicators of Cr chemistry on hydroxylated Î±-Al2O3(0001): a combined photoemission and first-principles study. Physical Chemistry Chemical Physics, 2021, 23, 21852-21862.	2.8	1
51	Chemical nature and thermal decomposition behavior of tartaric acid multilayers on rutile TiO2(110). Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, 051803.	1.2	0