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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Chromium Adsorption Reveals a Persistent Hydroxylation of Vacuum-Annealed Î±-Al₂O₃(0001). Journal of Physical Chemistry C, 2019, 123, 29245-29254.	3.1	7
12	Understanding nanoscale effects in oxide/metal heteroepitaxy. Physical Review Materials, 2019, 3, .	2.4	5
13	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
14	Polyoxometalate as Control Agent for the Doping in HgSe Self-Doped Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 26680-26685.	3.1	16
15	Water Dissociates at the Aqueous Interface with Reduced Anatase TiO₂ (101). Journal of Physical Chemistry Letters, 2018, 9, 3131-3136.	4.6	45
16	Band alignment at Ag/ZnO(0001) interfaces: A combined soft and hard x-ray photoemission study. Physical Review B, 2018, 97, .	3.2	8
17	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:m Physical Review B, 2017, 95, .	3.2	45
18	Orientation-dependent chemistry and band-bending of Ti on polar ZnO surfaces. Physical Chemistry Chemical Physics, 2017, 19, 10350-10357.	2.8	2

#	ARTICLE	IF	CITATIONS
19	Structure of a model TiO2Âphotocatalytic interface. Nature Materials, 2017, 16, 461-466.	27.5	234
20	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
21	Photoemission Fingerprints for Structural Identification of Titanium Dioxide Surfaces. Journal of Physical Chemistry Letters, 2016, 7, 3223-3228.	4.6	8
22	Surface and Epitaxial Stresses on Supported Metal Clusters. Nano Letters, 2016, 16, 2574-2579.	9.1	20
23	Synthesis of TiO2(110) ultra-thin films on W(100) and their reactions with H2O. Surface Science, 2013, 616, 198-205.	1.9	18
24	Defect mediated manipulation of nanoclusters on an insulator. Scientific Reports, 2013, 3, 1270.	3.3	14
25	Transport and optical gaps and energy band alignment at organic-inorganic interfaces. Journal of Applied Physics, 2013, 114, 123701.	2.5	4
26	Thin NaCl films on silver (001): island growth and work function. New Journal of Physics, 2012, 14, 103037.	2.9	32
27	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
28	Stoichiometry-Dependent Chemical Activity of Supported MgO(100) Films. Journal of Physical Chemistry A, 2011, 115, 7161-7168.	2.5	21
29	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
30	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
31	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:m Confirming experimental conclusions. Physical Review B, 2010, 81, .	3.2	34
32	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
33	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
34	Bonding of Methyl Phosphonate to TiO₂(110). Journal of Physical Chemistry C, 2010, 114, 16983-16988.	3.1	23
35	Self-Assembled Metallic Nanowires on a Dielectric Support: Pd on Rutile TiO₂(110). Nano Letters, 2009, 9, 155-159.	9.1	19
36	Arrangement of metal phthalocyanines on Ge (001) 2Ã—1 surfaces. Applied Surface Science, 2008, 255, 775-777.	6.1	10

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37	Redox Behavior of the Model Catalyst Pd/CeO2â^'x/Pt(111). Journal of Physical Chemistry C, 2008, 112, 10918-10922.	3.1	62
38	Geometric Structure ofTiO2(011)(2Ã—1). Physical Review Letters, 2008, 101, 185501.	7.8	87
39	Geometric structure ofTiO2(110)(1Ã—1): Achieving experimental consensus. Physical Review B, 2007, 75, .	3.2	62
40	Growth and Reactivity of Titanium Oxide Ultrathin Films on Ni(110). Journal of Physical Chemistry C, 2007, 111, 7704-7710.	3.1	33
41	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
42	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
43	Tailored TiO2(110) surfaces and their reactivity. Nanotechnology, 2006, 17, 5397-5405.	2.6	43
44	Growth of metal-phthalocyanine on GaAs(001): an NEXAFS study. , 2005, , .		1
45	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
46	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
47	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
48	Synchrotron radiation studies of inorganicâ€"organic semiconductor interfaces. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 475-480.	1.4	22
49	Perylenes and phthalocyanines on GaAs(0 0 1) surfaces. Applied Surface Science, 2003, 212-213, 417-422.	6.1	17
50	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
51	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