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Bulk-defect dependent adsorption on a metal oxide surface: S/TiO₂(110)

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Surface Science, 2001, 486, L467-L474.

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#	Paper	IF	Citations
29	Sulfur on TiO ₂ (110) studied with resonant photoemission. <i>Physical Review B</i> , 2001 , 64,	3.3	28
28	Ab initio and experimental studies of chlorine adsorption on the rutile TiO ₂ (110) surface. <i>Physical Review B</i> , 2002 , 65,	3.3	43
27	Adsorption of Methanethiol on Stoichiometric and Defective TiO ₂ (110) Surfaces: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 9883-9891	3.4	37
26	Importance of O vacancies in the behavior of oxide surfaces: Adsorption of sulfur on TiO ₂ (110). <i>Physical Review B</i> , 2002 , 65,	3.3	52
25	The adsorption of chlorine on TiO ₂ (110) studied with scanning tunneling microscopy and photoemission spectroscopy. <i>Surface Science</i> , 2002 , 505, 336-348	1.8	37
24	Theoretical study of the interaction of molecular oxygen with a reduced TiO ₂ surface. <i>Chemical Physics Letters</i> , 2002 , 354, 483-490	2.5	71
23	Epitaxial growth of molybdenum on TiO ₂ (1 1 0). <i>Surface Science</i> , 2003 , 544, 135-146	1.8	10
22	Density functional study of Pd adsorbates at SnO ₂ (110) surfaces. <i>Surface Science</i> , 2003 , 537, 168-178	1.8	17
21	Simulation of the interface between titanium oxide and amino acids in solution by first principles MD. <i>Surface Science</i> , 2003 , 538, 1-9	1.8	89
20	The surface science of titanium dioxide. <i>Surface Science Reports</i> , 2003 , 48, 53-229	12.9	6317
19	Impact of bulk reduction on TiO ₂ (1 0 0)/K. <i>Surface Science</i> , 2004 , 566-568, 921-925	1.8	5
18	Thermogravimetric study of the sulfurization of SrTiO ₃ nanoparticles using CS ₂ . <i>Thermochimica Acta</i> , 2004 , 419, 215-221	2.9	10
17	Sulphur on rutile(110): A theoretical study. <i>Surface Science</i> , 2006 , 600, 1884-1890	1.8	3
16	N Doping of Rutile TiO ₂ (110) Surface. A Theoretical DFT Study. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2624-2631	3.8	100
15	A surface X-ray diffraction study of TiO ₂ (110)(3×3)R. <i>Surface Science</i> , 2009 , 603, 2015-2020	1.8	2
14	Carbon Doping of the TiO ₂ (110) Rutile Surface. A Theoretical Study Based on DFT. <i>Chemistry of Materials</i> , 2009 , 21, 1431-1438	9.6	36
13	Dissociative and molecular oxygen chemisorption channels on reduced rutile TiO ₂ (110): An STM and TPD study. <i>Surface Science</i> , 2010 , 604, 1945-1960	1.8	116

12	Nitrogen/gold codoping of the TiO ₂ (101) anatase surface. A theoretical study based on DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 11340-50	3.6	34
11	Preparation of visible light responsive N doped TiO ₂ via a reduction/oxidation procedure by nonthermal plasma treatment. <i>Applied Surface Science</i> , 2011 , 258, 1249-1255	6.7	13
10	Surface-based manipulation of point defects in rutile TiO ₂ . <i>Applied Physics Letters</i> , 2013 , 102, 231601	3.4	23
9	Kinetics of oxygen interstitial injection and lattice exchange in rutile TiO ₂ . <i>Applied Physics Letters</i> , 2014 , 104, 191602	3.4	15
8	A DFT study of the stoichiometric and reduced anatase (0 0 1) surfaces. <i>Applied Surface Science</i> , 2014 , 294, 42-48	6.7	22
7	Self-Assembled and Field-Induced 2D Structures of Glutaric Acid on Cu(110). <i>Journal of Physical Chemistry C</i> , 2014 , 118, 6719-6725	3.8	2
6	The effect of H ₂ / Cl ₄ mixture plasma treatment on TiO ₂ photocatalytic oxidation of aromatic air contaminants under both UV and visible light. <i>Chemical Engineering Journal</i> , 2014 , 236, 285-292	14.7	8
5	Transfer-Free Growth of Atomically Thin Transition Metal Disulfides Using a Solution Precursor by a Laser Irradiation Process and Their Application in Low-Power Photodetectors. <i>Nano Letters</i> , 2016 , 16, 2463-70	11.5	9
4	Synergistic Effect of High-Performance N,S-TiO ₂ /N,S-RGO Nanocomposites for Photoelectrochemical Water Oxidation. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 031002	2	4
3	Adsorptive desulfurization of jet fuels over TiO ₂ -CeO ₂ mixed oxides: Role of surface Ti and Ce cations. <i>Catalysis Today</i> , 2021 , 371, 265-275	5.3	8
2	The interaction of size-selected Ru ₃ clusters with RF-deposited TiO ₂ : probing Ru-O binding sites with CO-temperature programmed desorption. <i>Nanoscale Advances</i> , 2021 , 3, 3537-3553	5.1	0
1	Understanding the fundamentals of TiO ₂ surfaces Part II. Reactivity and surface chemistry of TiO ₂ single crystals. 2022 , 38, 846-906		0