Huan Fei Wen

List of Publications by Year
in descending order

21 papers	214 citations	1307594 7 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	158 citing authors

#	Article	IF	Citations
1	Measurement and Manipulation of the Charge State of an Adsorbed Oxygen Adatom on the Rutile TiO₂(110)-1Ã—1 Surface by nc-AFM and KPFM. Journal of the American Chemical Society, 2018, 140, 15668-15674.	13.7	51
2	Tip-Induced Control of Charge and Molecular Bonding of Oxygen Atoms on the Rutile TiO₂ (110) Surface with Atomic Force Microscopy. ACS Nano, 2019, 13, 6917-6924.	14.6	35
3	Investigation of tunneling current and local contact potential difference on the TiO₂(110) surface by AFM/KPFM at 78 K. Nanotechnology, 2017, 28, 105704.	2.6	20
4	Identification of Atomic Defects and Adsorbate on Rutile TiO₂(110)-(1 Ã— 1) Surface by Atomic Force Microscopy. Journal of Physical Chemistry C, 2019, 123, 25756-25760.	3.1	12
5	Direct observation of atomic step edges on the rutile TiO₂(110)-(1 Ã— 1) surface using atomic force microscopy. Physical Chemistry Chemical Physics, 2018, 20, 28331-28337.	2.8	11
6	Elucidating the charge state of an Au nanocluster on the oxidized/reduced rutile TiO₂ (110) surface using non-contact atomic force microscopy and Kelvin probe force microscopy. Nanoscale Advances, 2020, 2, 2371-2375.	4.6	11
7	Imaging the surface potential at the steps on the rutile TiO₂(110) surface by Kelvin probe force microscopy. Beilstein Journal of Nanotechnology, 2019, 10, 1228-1236.	2.8	10
8	Electron dynamics of tip-tunable oxygen species on TiO2 surface. Communications Materials, 2021, 2, .	6.9	10
9	Characterization and Reversible Migration of Subsurface Hydrogen on Rutile TiO2(110) by Atomic Force Microscopy at 78 K. Journal of Physical Chemistry C, 2019, 123, 22595-22602.	3.1	7
10	Electrical Engineering of the Oxygen Adatom and Vacancy on Rutile TiO₂(110) by Atomic Force Microscopy at 78 K. Journal of Physical Chemistry C, 2019, 123, 28852-28858.	3.1	7
11	Contrast inversion of O adatom on rutile TiO2(1â€¯1â€¯0)-(1â€¯Ã—â€¯1) surface by atomic force microscopy imaging. Applied Surface Science, 2020, 505, 144623.	6.1	7
12	KPFM/AFM imaging on TiO₂(110) surface in O₂ gas. Nanotechnology, 2018, 29, 105504.	2.6	6
13	Direct Visualization of Oxygen Reaction with Paired Hydroxyl on TiO2(110) Surface at 78 K by Atomic Force Microscopy. Journal of Physical Chemistry C, 2018, 122, 17395-17399.	3.1	6
14	Dynamic behavior of OH and its atomic contrast with O adatom on the Ti site of TiO2(110) at 78â€‰K by atomic force microscopy imaging. Applied Physics Letters, 2020, 117, 051602.	3.3	4
15	Charge State Tristability of Oxygen Adatom on a Rutile TiO₂(110)â€“(1 Ã— 1) Surface Controlled by Atomic Force Microscopy. Journal of Physical Chemistry C, 2022, 126, 5064-5069.	3.1	4
16	Unraveling the Charge States of Au Nanoclusters on an Oxygen-Rich Rutile TiO₂(110) Surface and Their Triboelectrification Overturn by nc-AFM and KPFM. Journal of Physical Chemistry C, 2021, 125, 27607-27614.	3.1	4
17	Multi-Channel Exploration of O Adatom on TiO2(110) Surface by Scanning Probe Microscopy. Nanomaterials, 2020, 10, 1506.	4.1	3
18	Electrically Induced Manipulation of the Au Nanoclusters on the Oxidized Rutile TiO₂(110) Surface by Atomic Force Microscopy at 78 K. Journal of Physical Chemistry C, 2020, 124, 28562-28568.	3.1	2

#	Article	IF	Citations
19	Voltage- and Redox State-Triggered Oxygen Adatom Conductance Switch. Journal of Physical Chemistry C, 2021, 125, 26801-26807.	3.1	2
20	Imaging oxygen molecular adsorption and dissociation on the Ti site of rutile TiO2(110) surface with real configuration at 78 K by atomic force microscopy. Physical Chemistry Chemical Physics, 2020, 22, 19795-19801.	2.8	1
21	Exploring the nature of hydrogen of Rutile TiO2(110) at 78 K. Surfaces and Interfaces, 2021, 26, 101339.	3.0	1