

Huan Fei Wen

List of Publications by Year in descending order

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Version: 2024-02-01

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	Charge State Tristability of Oxygen Adatom on a Rutile $\text{TiO}_2(110)$ (1 Å ⁻¹) Surface Controlled by Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5064-5069.	3.1	4
2	Electron dynamics of tip-tunable oxygen species on TiO_2 surface. <i>Communications Materials</i> , 2021, 2, .	6.9	10
3	Exploring the nature of hydrogen of Rutile $\text{TiO}_2(110)$ at 78 K. <i>Surfaces and Interfaces</i> , 2021, 26, 101339.	3.0	1
4	Voltage- and Redox State-Triggered Oxygen Adatom Conductance Switch. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26801-26807.	3.1	2
5	Unraveling the Charge States of Au Nanoclusters on an Oxygen-Rich Rutile $\text{TiO}_2(110)$ Surface and Their Triboelectrification Overturn by nc-AFM and KPFM. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27607-27614.	3.1	4
6	Contrast inversion of O adatom on rutile $\text{TiO}_2(1\bar{1}\bar{0})$ -(1 Å ⁻¹) surface by atomic force microscopy imaging. <i>Applied Surface Science</i> , 2020, 505, 144623.	6.5	7
7	Dynamic behavior of OH and its atomic contrast with O adatom on the Ti site of $\text{TiO}_2(110)$ at 78 K by atomic force microscopy imaging. <i>Applied Physics Letters</i> , 2020, 117, 051602.	3.3	4
8	Multi-Channel Exploration of O Adatom on $\text{TiO}_2(110)$ Surface by Scanning Probe Microscopy. <i>Nanomaterials</i> , 2020, 10, 1506.	4.1	3
9	Elucidating the charge state of an Au nanocluster on the oxidized/reduced rutile $\text{TiO}_2(110)$ surface using non-contact atomic force microscopy and Kelvin probe force microscopy. <i>Nanoscale Advances</i> , 2020, 2, 2371-2375.	4.6	11
10	Imaging oxygen molecular adsorption and dissociation on the Ti site of rutile $\text{TiO}_2(110)$ surface with real configuration at 78 K by atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19795-19801.	2.8	1
11	Electrically Induced Manipulation of the Au Nanoclusters on the Oxidized Rutile $\text{TiO}_2(110)$ Surface by Atomic Force Microscopy at 78 K. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28562-28568.	3.1	2
12	Characterization and Reversible Migration of Subsurface Hydrogen on Rutile $\text{TiO}_2(110)$ by Atomic Force Microscopy at 78 K. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22595-22602.	3.1	7
13	Imaging the surface potential at the steps on the rutile $\text{TiO}_2(110)$ surface by Kelvin probe force microscopy. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1228-1236.	2.8	10
14	Identification of Atomic Defects and Adsorbate on Rutile $\text{TiO}_2(110)$ -(1 Å ⁻¹) Surface by Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25756-25760.	3.1	12
15	Electrical Engineering of the Oxygen Adatom and Vacancy on Rutile $\text{TiO}_2(110)$ by Atomic Force Microscopy at 78 K. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28852-28858.	3.1	7
16	Tip-Induced Control of Charge and Molecular Bonding of Oxygen Atoms on the Rutile $\text{TiO}_2(110)$ Surface with Atomic Force Microscopy. <i>ACS Nano</i> , 2019, 13, 6917-6924.	14.6	35
17	KPFM/AFM imaging on $\text{TiO}_2(110)$ surface in O_2 gas. <i>Nanotechnology</i> , 2018, 29, 105504.	2.6	6
18	Direct observation of atomic step edges on the rutile $\text{TiO}_2(110)$ -(1 Å ⁻¹) surface using atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28331-28337.	2.8	11

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19	Measurement and Manipulation of the Charge State of an Adsorbed Oxygen Adatom on the Rutile $\text{TiO}_2(110)$ - 1\AA - 1 Surface by nc-AFM and KPFM. Journal of the American Chemical Society, 2018, 140, 15668-15674.	13.7	51
20	Direct Visualization of Oxygen Reaction with Paired Hydroxyl on $\text{TiO}_2(110)$ Surface at 78 K by Atomic Force Microscopy. Journal of Physical Chemistry C, 2018, 122, 17395-17399.	3.1	6
21	Investigation of tunneling current and local contact potential difference on the $\text{TiO}_2(110)$ surface by AFM/KPFM at 78 K. Nanotechnology, 2017, 28, 105704.	2.6	20