

Shijing Tan

List of Publications by Year in descending order

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28
papers

1,627
citations

394421

19
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

2502
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic coupling at a metal/semiconductor interface. <i>Nature Photonics</i> , 2017, 11, 806-812.	31.4	232
2	Role of point defects on the reactivity of reconstructed anatase titanium dioxide (001) surface. <i>Nature Communications</i> , 2013, 4, 2214.	12.8	184
3	Observation of Photocatalytic Dissociation of Water on Terminal Ti Sites of TiO ₂ (110)-1 Å ⁻¹ Surface. <i>Journal of the American Chemical Society</i> , 2012, 134, 9978-9985.	13.7	160
4	Molecular Oxygen Adsorption Behaviors on the Rutile TiO ₂ (110)-1 Å ⁻¹ Surface: An in Situ Study with Low-Temperature Scanning Tunneling Microscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 2002-2009.	13.7	155
5	Site-specific photocatalytic splitting of methanol on TiO ₂ (110). <i>Chemical Science</i> , 2010, 1, 575.	7.4	150
6	Efficient plasmon-hot electron conversion in Ag@CsPbBr ₃ hybrid nanocrystals. <i>Nature Communications</i> , 2019, 10, 1163.	12.8	97
7	Determining structural and chemical heterogeneities of surface species at the single-bond limit. <i>Science</i> , 2021, 371, 818-822. CO ₂ dissociation activated through electron attachment on the reduced rutile TiO ₂ (110)-1 Å ⁻¹ surface.	12.6	77
8	CO ₂ dissociation activated through electron attachment on the reduced rutile TiO ₂ (110)-1 Å ⁻¹ surface.	3.2	68
9	Ultrafast Plasmon-Enhanced Hot Electron Generation at Ag Nanocluster/Graphite Heterojunctions. <i>Journal of the American Chemical Society</i> , 2017, 139, 6160-6168.	13.7	59
10	Identifying Hydroxyls on the TiO ₂ (110)-1 Å ⁻¹ Surface with Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13204-13208.	3.1	56
11	Coherent Electron Transfer at the Ag/Graphite Heterojunction Interface. <i>Physical Review Letters</i> , 2018, 120, 126801.	3.1	43
12	Temperature- and Coverage-Dependent Kinetics of Photocatalytic Reaction of Methanol on TiO ₂ (110)-1 Å ⁻¹ Surface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5503-5514.	3.1	43
13	Adsorption of CO on Rutile TiO ₂ (110)-1 Å ⁻¹ Surface with Pre-adsorbed O Adatoms. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18222-18227.	3.1	38
14	K Atom Promotion of O ₂ Chemisorption on Au(111) Surface. <i>Journal of the American Chemical Society</i> , 2019, 141, 4438-4444.	13.7	31
15	Interfacial Hydrogen-Bonding Dynamics in Surface-Facilitated Dehydrogenation of Water on TiO ₂ (110). <i>Journal of the American Chemical Society</i> , 2020, 142, 826-834.	13.7	31
16	STM tip-assisted single molecule chemistry. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12428.	2.8	26
17	Resonant Two-Photon Photoemission from Ti 3d Defect States of TiO ₂ (110) Revisited. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12959-12966.	3.1	26
18	Ultrafast charge transfer coupled to quantum proton motion at molecule/metal oxide interface. <i>Science Advances</i> , 2022, 8, .	10.3	21

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19	Deconstruction of the Electronic Properties of a Topological Insulator with a Two-Dimensional Noble Metalâ€“Organic Honeycombâ€“Kagome Band Structure. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18659-18668.	3.1	20
20	Photoresponses of Supported Au Single Atoms on TiO ₂ (110) through the Metal-Induced Gap States. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4683-4691.	4.6	18
21	Visualizing Elementary Reactions of Methanol by Electrons and Holes on TiO ₂ (110) Surface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28805-28814.	3.1	17
22	Characterization of Crâ€“N codoped anatase TiO ₂ (001) thin films epitaxially grown on SrTiO ₃ (001) substrate. <i>Surface Science</i> , 2013, 616, 93-99.	1.9	16
23	Identifying the Site-Dependent Photoactivity of Anatase TiO ₂ (001)-(1 $\bar{1}$ 4) Surface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19930-19937.	3.1	14
24	Dynamic Equilibrium of Reversible Reactions and Migration of Hydrogen Atoms Mediated by Diffusive Methanol on Rutile TiO ₂ (110)-(1 $\bar{1}$ 1) Surface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7728-7735.	3.1	11
25	Patterning of transition metal dichalcogenides catalyzed by surface plasmons with atomic precision. <i>CheM</i> , 2021, 7, 1626-1638.	11.7	11
26	Formation of Plasmonic Polarons in Highly Electron-Doped Anatase TiO ₂ . <i>Nano Letters</i> , 2021, 21, 430-436.	9.1	9
27	Electron-phonon coupling in d-electron solids: A temperature-dependent study of rutile TiO ₂ by first-principles theory and two-photon photoemission. <i>Physical Review Research</i> , 2019, 1, .	3.6	6
28	Time- and momentum-resolved image-potential states of 2H-MoS ₂ surface. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26336-26342.	2.8	1