

# 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	Ultrafast charge transfer coupled to quantum proton motion at molecule/metal oxide interface. Science Advances, 2022, 8, .	10.3	21
2	Formation of Plasmonic Polarons in Highly Electron-Doped Anatase TiO <sub>2</sub> . Nano Letters, 2021, 21, 430-436.	9.1	9
3	Determining structural and chemical heterogeneities of surface species at the single-bond limit. Science, 2021, 371, 818-822.	12.6	77
4	Patterning of transition metal dichalcogenides catalyzed by surface plasmons with atomic precision. Chem, 2021, 7, 1626-1638.	11.7	11
5	Time- and momentum-resolved image-potential states of 2H-MoS <sub>2</sub> surface. Physical Chemistry Chemical Physics, 2021, 23, 26336-26342.	2.8	1
6	Interfacial Hydrogen-Bonding Dynamics in Surface-Facilitated Dehydrogenation of Water on TiO <sub>2</sub> (110). Journal of the American Chemical Society, 2020, 142, 826-834.	13.7	31
7	Photoresponses of Supported Au Single Atoms on TiO <sub>2</sub> (110) through the Metal-Induced Gap States. Journal of Physical Chemistry Letters, 2019, 10, 4683-4691.	4.6	18
8	Efficient plasmon-hot electron conversion in Ag@CsPbBr <sub>3</sub> hybrid nanocrystals. Nature Communications, 2019, 10, 1163.	12.8	97
9	K Atom Promotion of O <sub>2</sub> Chemisorption on Au(111) Surface. Journal of the American Chemical Society, 2019, 141, 4438-4444.	13.7	31
10	Electron-phonon coupling in d-electron solids: A temperature-dependent study of rutile TiO <sub>2</sub> by first-principles theory and two-photon photoemission. Physical Review Research, 2019, 1, .	3.6	6
11	Coherent Electron Transfer at the Ag/Graphite Heterojunction Interface. Physical Review Letters, 2018, 120, 126801.	11.7	47
12	Visualizing Elementary Reactions of Methanol by Electrons and Holes on TiO <sub>2</sub> (110) Surface. Journal of Physical Chemistry C, 2018, 122, 28805-28814.	3.1	17
13	Deconstruction of the Electronic Properties of a Topological Insulator with a Two-Dimensional Noble Metal@Organic Honeycomb Kagome Band Structure. Journal of Physical Chemistry C, 2018, 122, 18659-18668.	3.1	20
14	Ultrafast Plasmon-Enhanced Hot Electron Generation at Ag Nanocluster/Graphite Heterojunctions. Journal of the American Chemical Society, 2017, 139, 6160-6168.	13.7	59
15	Identifying the Site-Dependent Photoactivity of Anatase TiO <sub>2</sub> (001)-(1 $\times$ 4) Surface. Journal of Physical Chemistry C, 2017, 121, 19930-19937.	3.1	14
16	Plasmonic coupling at a metal/semiconductor interface. Nature Photonics, 2017, 11, 806-812.	31.4	232
17	Dynamic Equilibrium of Reversible Reactions and Migration of Hydrogen Atoms Mediated by Diffusive Methanol on Rutile TiO <sub>2</sub> (110)-(1 $\times$ 1) Surface. Journal of Physical Chemistry C, 2016, 120, 7728-7735.	3.1	11
18	Resonant Two-Photon Photoemission from Ti 3d Defect States of TiO <sub>2</sub> (110) Revisited. Journal of Physical Chemistry C, 2016, 120, 12959-12966.	3.1	26

#	ARTICLE	IF	CITATIONS
19	Temperature- and Coverage-Dependent Kinetics of Photocatalytic Reaction of Methanol on $\text{TiO}_2$ (110)-(1 Å <sup>-1</sup> ) Surface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5503-5514.	3.1	43
20	STM tip-assisted single molecule chemistry. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12428.	2.8	26
21	Characterization of Cr <sup>6+</sup> N codoped anatase $\text{TiO}_2$ (001) thin films epitaxially grown on $\text{SrTiO}_3$ (001) substrate. <i>Surface Science</i> , 2013, 616, 93-99.	1.9	16
22	Role of point defects on the reactivity of reconstructed anatase titanium dioxide (001) surface. <i>Nature Communications</i> , 2013, 4, 2214.	12.8	184
23	Observation of Photocatalytic Dissociation of Water on Terminal Ti Sites of $\text{TiO}_2$ (110)-1 Å <sup>-1</sup> Surface. <i>Journal of the American Chemical Society</i> , 2012, 134, 9978-9985.	13.7	160
24	Molecular Oxygen Adsorption Behaviors on the Rutile $\text{TiO}_2$ (110)-1 Å <sup>-1</sup> Surface: An in Situ Study with Low-Temperature Scanning Tunneling Microscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 2002-2009. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	13.7	155
25	dissociation activated through electron attachment on the reduced rutile $\text{TiO}_2$ (110)-1 Å <sup>-1</sup> surface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18222-18227.	3.2	68
26	Site-specific photocatalytic splitting of methanol on $\text{TiO}_2$ (110). <i>Chemical Science</i> , 2010, 1, 575.	7.4	150
27	Adsorption of CO on Rutile $\text{TiO}_2$ (110)-1 Å <sup>-1</sup> Surface with Preadsorbed O Adatoms. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18222-18227.	3.1	38
28	Identifying Hydroxyls on the $\text{TiO}_2$ (110)-1 Å <sup>-1</sup> Surface with Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13204-13208.	3.1	56