

# Shu Fen Tan

## List of Publications by Year in descending order

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28  
papers

1,687  
citations

516710

16  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Plasmon Resonances Controlled by Molecular Tunnel Junctions. <i>Science</i> , 2014, 343, 1496-1499.	12.6	388
2	Multistep nucleation of nanocrystals in aqueous solution. <i>Nature Chemistry</i> , 2017, 9, 77-82.	13.6	312
3	Direct observation of the nanoscale Kirkendall effect during galvanic replacement reactions. <i>Nature Communications</i> , 2017, 8, 1224.	12.8	175
4	Surface Plasmon Damping Quantified with an Electron Nanoprobe. <i>Scientific Reports</i> , 2013, 3, 1312.	3.3	133
5	Direct Observation of Interactions between Nanoparticles and Nanoparticle Self-Assembly in Solution. <i>Accounts of Chemical Research</i> , 2017, 50, 1303-1312.	15.6	97
6	Encapsulated Annealing: Enhancing the Plasmon Quality Factor in Lithographicallyâ€œDefined Nanostructures. <i>Scientific Reports</i> , 2014, 4, 5537.	3.3	96
7	Real-Time Dynamics of Galvanic Replacement Reactions of Silver Nanocubes and Au Studied by Liquid-Cell Transmission Electron Microscopy. <i>ACS Nano</i> , 2016, 10, 7689-7695.	14.6	67
8	<i>In Situ</i> Kinetic and Thermodynamic Growth Control of Auâ€œPd Coreâ€œShell Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018, 140, 11680-11685.	13.7	66
9	Interactions and Attachment Pathways between Functionalized Gold Nanorods. <i>ACS Nano</i> , 2017, 11, 1633-1640.	14.6	60
10	Real-Time Imaging of the Formation of Auâ€œAg Coreâ€œShell Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016, 138, 5190-5193.	13.7	55
11	Nanoparticle Interactions Guided by Shapeâ€œDependent Hydrophobic Forces. <i>Advanced Materials</i> , 2018, 30, e1707077.	21.0	42
12	Interface-mediated Kirkendall effect and nanoscale void migration in bimetallic nanoparticles during interdiffusion. <i>Nature Communications</i> , 2019, 10, 2831.	12.8	42
13	Direct Observations of the Rotation and Translation of Anisotropic Nanoparticles Adsorbed at a Liquidâ€œSolid Interface. <i>Nano Letters</i> , 2019, 19, 2871-2878.	9.1	40
14	Realâ€œTime Imaging of Nanoscale Redox Reactions over Bimetallic Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1903242.	14.9	36
15	Intermediate Structures of Ptâ€œNi Nanoparticles during Selective Chemical and Electrochemical Etching. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6090-6096.	4.6	25
16	Charge transfer plasmon resonances across silverâ€œmoleculeâ€œsilver junctions: estimating the terahertz conductance of molecules at near-infrared frequencies. <i>RSC Advances</i> , 2016, 6, 70884-70894.	3.6	17
17	Molecular Coatings for Stabilizing Silver and Gold Nanocubes under Electron Beam Irradiation. <i>Langmuir</i> , 2017, 33, 1189-1196.	3.5	14
18	Multilayer Grapheneâ€œA Promising Electrode Material in Liquid Cell Electrochemistry. <i>Advanced Functional Materials</i> , 2021, 31, 2104628.	14.9	11

#	ARTICLE	IF	CITATIONS
19	Real-time imaging of nanoscale electrochemical Ni etching under thermal conditions. Chemical Science, 2021, 12, 5259-5268.	7.4	10
20	Quantum Plasmon Resonances Controlled by Molecular Tunnel Junction. Springer Theses, 2018, , 51-67.	0.1	1
21	Self-Assembly of Silver Nanoparticles with Sub-nanometer Separations. Springer Theses, 2018, , 35-50.	0.1	0
22	Real-Time Imaging of Au@Ag Core-Shell Nanoparticles Formation. Springer Theses, 2018, , 97-112.	0.1	0
23	Stability of Silver and Gold Nanoparticles Under Electron Beam Irradiation. Springer Theses, 2018, , 69-82.	0.1	0
24	In Situ Growth of Metal Nanoparticles on Two-dimensional Materials Under Electrochemical Conditions. Microscopy and Microanalysis, 2020, 26, 2580-2582.	0.4	0
25	Graphene – A Promising Electrode Material in Liquid Cell Electrochemistry. Microscopy and Microanalysis, 2021, 27, 46-48.	0.4	0
26	Modeling nanostructure evolution using temperature-dependent radiolysis and kinetics of nanoscale reactions in liquid cell TEM. Microscopy and Microanalysis, 2021, 27, 2246-2248.	0.4	0
27	Plasmonic Properties, Stability and Chemical Reactivity of Metal Nanoparticles – A Literature Review. Springer Theses, 2018, , 5-34.	0.1	0
28	Real-Time Imaging of Chemical Reactions Between Silver and Gold Nanoparticles. Springer Theses, 2018, , 83-95.	0.1	0