

Shu Fen Tan

List of Publications by Year in descending order

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Version: 2024-02-01

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	Graphene – A Promising Electrode Material in Liquid Cell Electrochemistry. <i>Microscopy and Microanalysis</i> , 2021, 27, 46-48.	0.4	0
2	Modeling nanostructure evolution using temperature-dependent radiolysis and kinetics of nanoscale reactions in liquid cell TEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 2246-2248.	0.4	0
3	Multilayer Graphene – A Promising Electrode Material in Liquid Cell Electrochemistry. <i>Advanced Functional Materials</i> , 2021, 31, 2104628.	14.9	11
4	Real-time imaging of nanoscale electrochemical Ni etching under thermal conditions. <i>Chemical Science</i> , 2021, 12, 5259-5268.	7.4	10
5	In Situ Growth of Metal Nanoparticles on Two-dimensional Materials Under Electrochemical Conditions. <i>Microscopy and Microanalysis</i> , 2020, 26, 2580-2582.	0.4	0
6	Real-Time Imaging of Nanoscale Redox Reactions over Bimetallic Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1903242.	14.9	36
7	Interface-mediated Kirkendall effect and nanoscale void migration in bimetallic nanoparticles during interdiffusion. <i>Nature Communications</i> , 2019, 10, 2831.	12.8	42
8	Intermediate Structures of Pt – Ni Nanoparticles during Selective Chemical and Electrochemical Etching. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6090-6096.	4.6	25
9	Direct Observations of the Rotation and Translation of Anisotropic Nanoparticles Adsorbed at a Liquid – Solid Interface. <i>Nano Letters</i> , 2019, 19, 2871-2878.	9.1	40
10	Nanoparticle Interactions Guided by Shape – Dependent Hydrophobic Forces. <i>Advanced Materials</i> , 2018, 30, e1707077.	21.0	42
11	Self-Assembly of Silver Nanoparticles with Sub-nanometer Separations. <i>Springer Theses</i> , 2018, , 35-50.	0.1	0
12	Real-Time Imaging of Au – Ag Core-Shell Nanoparticles Formation. <i>Springer Theses</i> , 2018, , 97-112.	0.1	0
13	<i>In Situ</i> Kinetic and Thermodynamic Growth Control of Au – Pd Core – Shell Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018, 140, 11680-11685.	13.7	66
14	Stability of Silver and Gold Nanoparticles Under Electron Beam Irradiation. <i>Springer Theses</i> , 2018, , 69-82.	0.1	0
15	Quantum Plasmon Resonances Controlled by Molecular Tunnel Junction. <i>Springer Theses</i> , 2018, , 51-67.	0.1	1
16	Plasmonic Properties, Stability and Chemical Reactivity of Metal Nanoparticles – A Literature Review. <i>Springer Theses</i> , 2018, , 5-34.	0.1	0
17	Real-Time Imaging of Chemical Reactions Between Silver and Gold Nanoparticles. <i>Springer Theses</i> , 2018, , 83-95.	0.1	0
18	Molecular Coatings for Stabilizing Silver and Gold Nanocubes under Electron Beam Irradiation. <i>Langmuir</i> , 2017, 33, 1189-1196.	3.5	14

#	ARTICLE	IF	CITATIONS
19	Interactions and Attachment Pathways between Functionalized Gold Nanorods. ACS Nano, 2017, 11, 1633-1640.	14.6	60
20	Direct Observation of Interactions between Nanoparticles and Nanoparticle Self-Assembly in Solution. Accounts of Chemical Research, 2017, 50, 1303-1312.	15.6	97
21	Direct observation of the nanoscale Kirkendall effect during galvanic replacement reactions. Nature Communications, 2017, 8, 1224.	12.8	175
22	Multistep nucleation of nanocrystals in aqueous solution. Nature Chemistry, 2017, 9, 77-82.	13.6	312
23	Real-Time Dynamics of Galvanic Replacement Reactions of Silver Nanocubes and Au Studied by Liquid-Cell Transmission Electron Microscopy. ACS Nano, 2016, 10, 7689-7695.	14.6	67
24	Real-Time Imaging of the Formation of Au@Ag Core@Shell Nanoparticles. Journal of the American Chemical Society, 2016, 138, 5190-5193.	13.7	55
25	Charge transfer plasmon resonances across silver@molecule@silver junctions: estimating the terahertz conductance of molecules at near-infrared frequencies. RSC Advances, 2016, 6, 70884-70894.	3.6	17
26	Quantum Plasmon Resonances Controlled by Molecular Tunnel Junctions. Science, 2014, 343, 1496-1499.	12.6	388
27	Encapsulated Annealing: Enhancing the Plasmon Quality Factor in Lithographically@Defined Nanostructures. Scientific Reports, 2014, 4, 5537.	3.3	96
28	Surface Plasmon Damping Quantified with an Electron Nanoprobe. Scientific Reports, 2013, 3, 1312.	3.3	133