

# Haiyan Tan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3069504/publications.pdf>

Version: 2024-02-01

30  
papers

1,397  
citations

471509

17  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Patchy metal nanoparticles with polymers: controllable growth and two-way self-assembly. <i>Nanoscale</i> , 2022, 14, 7364-7371.	5.6	7
2	Ultrastable Plasmonic Cu-Based Core-Shell Nanoparticles. <i>Chemistry of Materials</i> , 2021, 33, 695-705.	6.7	29
3	Partially reduced Ru/RuO <sub>2</sub> composites as efficient and pH-universal electrocatalysts for hydrogen evolution. <i>Energy and Environmental Science</i> , 2021, 14, 5433-5443.	30.8	73
4	Thermally activated structural transformations in manganese oxide nanoparticles under air and argon atmospheres. <i>Journal of Materials Science</i> , 2020, 55, 7247-7258.	3.7	17
5	Anisotropic Arm Growth in Unconventional Semiconductor CdSe/CdS Nanotetrapod Synthesis Using Core/Shell CdSe/CdS as Seeds. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19238-19245.	3.1	13
6	Transmission Electron Microscopy Study of Epitaxial Li-Mn-O Films Grown by Pulsed Laser Deposition: The Effect of Temperature on Formation of Phases. <i>Microscopy and Microanalysis</i> , 2019, 25, 2160-2161.	0.4	0
7	Transmission electron microscopy study of epitaxial Li-Mn-O films grown by pulsed laser deposition: The effect of temperature on formation of phases. <i>Thin Solid Films</i> , 2017, 638, 282-290.	1.8	4
8	Crystallography and Growth of Epitaxial Oxide Films for Fundamental Studies of Cathode Materials Used in Advanced Li-Ion Batteries. <i>Crystals</i> , 2017, 7, 127.	2.2	8
9	Self-Terminated Electrodeposition of Ni, Co, and Fe Ultrathin Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16228-16237.	3.1	30
10	Microscopy Study of Structural Evolution in Epitaxial LiCoO <sub>2</sub> Positive Electrode Films during Electrochemical Cycling. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6727-6735.	8.0	37
11	Epitaxial LiCoO <sub>2</sub> Films as a Model System for Fundamental Electrochemical Studies of Positive Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7901-7911.	8.0	64
12	Energy-loss- and thickness-dependent contrast in atomic-scale electron energy-loss spectroscopy. <i>Physical Review B</i> , 2014, 90, .	3.2	3
13	Direct structural and spectroscopic investigation of ultrathin films of tetragonal CuO: Six-fold coordinated copper. <i>Europhysics Letters</i> , 2014, 105, 17003.	2.0	17
14	Experimental Evidence for Oxygen Sublattice Control in Polar Infinite Layer $SrCuO_2$ . <i>Physical Review Letters</i> , 2013, 111, 096102.	7.8	28
15	Layered oxygen vacancy ordering in Nb-doped SrCo <sub>1-x</sub> Fe <sub>x</sub> O <sub>3-<math>\delta</math></sub> perovskite. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, 28-34.	0.8	9
16	Mapping electronic reconstruction at the metal-insulator interface in LaVO <sub>3</sub> /SrVO <sub>3</sub> heterostructures. <i>Physical Review B</i> , 2013, 88, .	3.2	16
17	Nanoscale Investigation of the Degradation Mechanism of a Historical Chrome Yellow Paint by Quantitative Electron Energy Loss spectroscopy Mapping of Chromium Species. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11360-11363.	13.8	35
18	Tanet al.Reply:. <i>Physical Review Letters</i> , 2012, 108, .	7.8	0

#	ARTICLE	IF	CITATIONS
19	Artificial Construction of the Layered Ruddlesdenâ€“Popper Manganite $\text{La}_{2-x}\text{Sr}_x\text{Mn}_2\text{O}_{10}$ by Reflection High Energy Electron Diffraction Monitored Pulsed Laser Deposition. <i>Journal of the American Chemical Society</i> , 2012, 134, 7700-7714.	13.7	29
20	Oxidation state and chemical shift investigation in transition metal oxides by EELS. <i>Ultramicroscopy</i> , 2012, 116, 24-33.	1.9	445
21	Degradation Process of Lead Chromate in Paintings by Vincent van Gogh Studied by Means of Synchrotron X-ray Spectromicroscopy and Related Methods. 1. Artificially Aged Model Samples. <i>Analytical Chemistry</i> , 2011, 83, 1214-1223.	6.5	116
22	Barrier efficiency of sponge-like $\text{La}_2\text{Zr}_2\text{O}_7$ buffer layers for YBCO-coated conductors. <i>Superconductor Science and Technology</i> , 2011, 24, 065019.	3.5	35
23	Well Shaped $\text{Mn}_3\text{O}_4$ Nanoâ€“octahedra with Anomalous Magnetic Behavior and Enhanced Photodecomposition Properties. <i>Small</i> , 2011, 7, 475-483.	10.0	131
24	2D Atomic Mapping of Oxidation States in Transition Metal Oxides by Scanning Transmission Electron Microscopy and Electron Energy-Loss Spectroscopy. <i>Physical Review Letters</i> , 2011, 107, 107602.	7.8	127
25	New perovskite-based manganite $\text{Pb}_2\text{Mn}_2\text{O}_5$ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 2190-2195.	2.9	9
26	Direct space structure solution from precession electron diffraction data: Resolving heavy and light scatterers in $\text{Pb}_{13}\text{Mn}_9\text{O}_{25}$ . <i>Ultramicroscopy</i> , 2010, 110, 881-890.	1.9	26
27	Influence of the Microstructure on the High-Temperature Transport Properties of $\text{GdBaCo}_2\text{O}_{5.5+\delta}$ Epitaxial Films. <i>Chemistry of Materials</i> , 2010, 22, 5512-5520.	6.7	18
28	Insight into the Growth of Multiple Branched $\text{MnOOH}$ Nanorods. <i>Crystal Growth and Design</i> , 2010, 10, 2969-2976.	3.0	39
29	Synthesis, crystal structure and magnetic properties of the $\text{Sr}_2\text{Al}_0.78\text{Mn}_{1.22}\text{O}_{5.2}$ anion-deficient layered perovskite. <i>Journal of Solid State Chemistry</i> , 2009, 182, 356-363.	2.9	16
30	Original close-packed structure and magnetic properties of the $\text{Pb}_4\text{Mn}_9\text{O}_{20}$ manganite. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2231-2238.	2.9	6