

# Haiyan Tan

## List of Publications by Year in descending order

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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	Oxidation state and chemical shift investigation in transition metal oxides by EELS. Ultramicroscopy, 2012, 116, 24-33.	1.9	445
2	Well Shaped Mn <sub>3</sub> O <sub>4</sub> Nano-octahedra with Anomalous Magnetic Behavior and Enhanced Photodecomposition Properties. Small, 2011, 7, 475-483.	10.0	131
3	2D Atomic Mapping of Oxidation States in Transition Metal Oxides by Scanning Transmission Electron Microscopy and Electron Energy-Loss Spectroscopy. Physical Review Letters, 2011, 107, 107602.	7.8	127
4	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. Analytical Chemistry, 2011, 83, 1214-1223.	6.5	116
5	Partially reduced Ru/RuO <sub>2</sub> composites as efficient and pH-universal electrocatalysts for hydrogen evolution. Energy and Environmental Science, 2021, 14, 5433-5443.	30.8	73
6	Epitaxial LiCoO <sub>2</sub> Films as a Model System for Fundamental Electrochemical Studies of Positive Electrodes. ACS Applied Materials & Interfaces, 2015, 7, 7901-7911.	8.0	64
7	Insight into the Growth of Multiple Branched MnOOH Nanorods. Crystal Growth and Design, 2010, 10, 2969-2976.	3.0	39
8	Microscopy Study of Structural Evolution in Epitaxial LiCoO <sub>2</sub> Positive Electrode Films during Electrochemical Cycling. ACS Applied Materials & Interfaces, 2016, 8, 6727-6735.	8.0	37
9	Barrier efficiency of sponge-like La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> buffer layers for YBCO-coated conductors. Superconductor Science and Technology, 2011, 24, 065019.	3.5	35
10	Nanoscale Investigation of the Degradation Mechanism of a Historical Chrome Yellow Paint by Quantitative Electron Energy Loss spectroscopy Mapping of Chromium Species. Angewandte Chemie - International Edition, 2013, 52, 11360-11363.	13.8	35
11	Self-Terminated Electrodeposition of Ni, Co, and Fe Ultrathin Films. Journal of Physical Chemistry C, 2016, 120, 16228-16237.	3.1	30
12	Artificial Construction of the Layered Ruddlesden-Popper Manganite La <sub>2</sub> Sr <sub>2</sub> Mn <sub>3</sub> O <sub>10</sub> by Reflection High Energy Electron Diffraction Monitored Pulsed Laser Deposition. Journal of the American Chemical Society, 2012, 134, 7700-7714.	13.7	29
13	Ultrastable Plasmonic Cu-Based Core-Shell Nanoparticles. Chemistry of Materials, 2021, 33, 695-705.	6.7	29
14	Experimental Evidence for Oxygen Sublattice Control in Polar Infinite Layer $\text{SrCuO}_2$ . Physical Review Letters, 2013, 111, 096102.	7.8	28
15	Direct space structure solution from precession electron diffraction data: Resolving heavy and light scatterers in Pb <sub>13</sub> Mn <sub>9</sub> O <sub>25</sub> . Ultramicroscopy, 2010, 110, 881-890.	1.9	26
16	Influence of the Microstructure on the High-Temperature Transport Properties of GdBaCo <sub>2</sub> O <sub>5.5</sub> Epitaxial Films. Chemistry of Materials, 2010, 22, 5512-5520.	6.7	18
17	Direct structural and spectroscopic investigation of ultrathin films of tetragonal CuO: Six-fold coordinated copper. Europhysics Letters, 2014, 105, 17003.	2.0	17
18	Thermally activated structural transformations in manganese oxide nanoparticles under air and argon atmospheres. Journal of Materials Science, 2020, 55, 7247-7258.	3.7	17

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19	Synthesis, crystal structure and magnetic properties of the Sr <sub>2</sub> Al <sub>0.78</sub> Mn <sub>1.22</sub> O <sub>5.2</sub> anion-deficient layered perovskite. Journal of Solid State Chemistry, 2009, 182, 356-363.	2.9	16
20	Mapping electronic reconstruction at the metal-insulator interface in LaVO <sub>3</sub> /SrVO <sub>3</sub> heterostructures. Physical Review B, 2013, 88, .	3.2	16
21	Anisotropic Arm Growth in Unconventional Semiconductor CdSe/CdS Nanotetrapod Synthesis Using Core/Shell CdSe/CdS as Seeds. Journal of Physical Chemistry C, 2019, 123, 19238-19245.	3.1	13
22	New perovskite-based manganite Pb <sub>2</sub> Mn <sub>2</sub> O <sub>5</sub> . Journal of Solid State Chemistry, 2010, 183, 2190-2195.	2.9	9
23	Layered oxygen vacancy ordering in Nb-doped SrCo <sub>1-x</sub> Fe <sub>x</sub> O <sub>3-δ</sub> perovskite. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, 28-34.	0.8	9
24	Crystallography and Growth of Epitaxial Oxide Films for Fundamental Studies of Cathode Materials Used in Advanced Li-Ion Batteries. Crystals, 2017, 7, 127.	2.2	8
25	Patchy metal nanoparticles with polymers: controllable growth and two-way self-assembly. Nanoscale, 2022, 14, 7364-7371.	5.6	7
26	Original close-packed structure and magnetic properties of the Pb <sub>4</sub> Mn <sub>9</sub> O <sub>20</sub> manganite. Journal of Solid State Chemistry, 2009, 182, 2231-2238.	2.9	6
27	Transmission electron microscopy study of epitaxial Li-Mn-O films grown by pulsed laser deposition: The effect of temperature on formation of phases. Thin Solid Films, 2017, 638, 282-290.	1.8	4
28	Energy-loss- and thickness-dependent contrast in atomic-scale electron energy-loss spectroscopy. Physical Review B, 2014, 90, .	3.2	3
29	Tanet al.Reply:. Physical Review Letters, 2012, 108, .	7.8	0
30	Transmission Electron Microscopy Study of Epitaxial Li-Mn-O Films Grown by Pulsed Laser Deposition: The Effect of Temperature on Formation of Phases. Microscopy and Microanalysis, 2019, 25, 2160-2161.	0.4	0