Chunhua Tang

List of Publications by Year
in descending order

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30	3,659	430754	501076
papers	citations	18 h-index	28 g-index

31	31	31	7143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristic Lengths of Interlayer Charge Transfer in Correlated Oxide Heterostructures. Nano Letters, 2020, 20, 2493-2499.	4.5	11
2	Probing the Oxidation/Reduction Dynamics of Fresh and P-, Na-, and K-Contaminated Pt/Pd/Al₂O₃ Diesel Oxidation Catalysts by STEM, TPR, and in Situ XANES. Journal of Physical Chemistry C, 2020, 124, 2945-2952.	1.5	10
3	Onâ€Chip Tailorability of Capacitive Gas Sensors Integrated with Metalâ€“Organic Framework Films. Angewandte Chemie, 2019, 131, 14227-14232.	1.6	24
4	Onâ€Chip Tailorability of Capacitive Gas Sensors Integrated with Metalâ€“Organic Framework Films. Angewandte Chemie - International Edition, 2019, 58, 14089-14094.	7.2	86
5	Observation of an Emerging Charged Domain Wall at a Non-ferroelectric Heterointerface with Aberration-corrected STEM. Microscopy and Microanalysis, 2019, 25, 672-673.	0.2	0
6	Correlated Lattice Instability and Emergent Charged Domain Walls at Oxide Heterointerfaces. Advanced Functional Materials, 2019, 29, 1906655.	7.8	6
7	Titelbild: Onâ€Chip Tailorability of Capacitive Gas Sensors Integrated with Metalâ€“Organic Framework Films (Angew. Chem. 40/2019). Angewandte Chemie, 2019, 131, 14137-14137.	1.6	0
8	ZnO Nanosheets Abundant in Oxygen Vacancies Derived from Metalâ€Organic Frameworks for ppbâ€Level Gas Sensing. Advanced Materials, 2019, 31, e1807161.	11.1	251
9	Controlling the Magnetic Properties of LaMnO 3 /SrTiO 3 Heterostructures by Stoichiometry and Electronic Reconstruction: Atomicâ€Scale Evidence. Advanced Materials, 2019, 31, 1901386.	11.1	27
10	Metalâ€“organic framework-derived hierarchical MoS₂/CoS₂ nanotube arrays as pH-universal electrocatalysts for efficient hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 13339-13346.	5.2	133
11	Atomic scale characterization of point and extended defects in niobate thin films. Ultramicroscopy, 2019, 203, 82-87.	0.8	4
12	Biosensors: ZnO Nanosheets Abundant in Oxygen Vacancies Derived from Metalâ€Organic Frameworks for ppbâ€Level Gas Sensing (Adv. Mater. 11/2019). Advanced Materials, 2019, 31, 1970076.	11.1	10
13	Large-Scale Color-Changing Thin Film Energy Storage Device with High Optical Contrast and Energy Storage Capacity. ACS Applied Energy Materials, 2018, 1, 1658-1663.	2.5	14
14	Material structure, properties, and dynamics through scanning transmission electron microscopy. Journal of Analytical Science and Technology, 2018, 9, 11.	1.0	30
15	In-situ characterization by Near-Ambient Pressure XPS of the catalytically active phase of Pt/Al2O3 during NO and CO oxidation. Applied Catalysis B: Environmental, 2018, 220, 506-511.	10.8	46
16	Water oxidation on a mononuclear manganese heterogeneous catalyst. Nature Catalysis, 2018, 1, 870-877.	16.1	244
17	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. Advanced Functional Materials, 2018, 28, 1801766.	7.8	18
18	Effect of Sulfide Precursor Selection on the Nucleation, Growth, and Elemental Composition of Cu₂ZnSnS₄ Nanocrystals. Crystal Growth and Design, 2017, 17, 73-79.	1.4	7

#	Article	IF	Citations
19	(CH₃NH₃)₂PdCl₄: A Compound with Twoâ€Dimensional Organicâ€“Inorganic Layered Perovskite Structure. Chemistry - A European Journal, 2016, 22, 2146-2152.	1.7	45
20	Chemical insights into the roles of nanowire cores on the growth and supercapacitor performances of Ni-Co-O/Ni(OH)2 core/shell electrodes. Scientific Reports, 2016, 6, 21566.	1.6	24
21	Influence of Ligands on the Formation of Kesterite Thin Films for Solar Cells: A Comparative Study. ChemSusChem, 2016, 9, 1032-1041.	3.6	20
22	Significantly different mechanical properties and interfacial structures of Cu2ZnSn(S,Se)4 films prepared from metallic and sulfur-contained precursors. Solar Energy Materials and Solar Cells, 2015, 134, 389-394.	3.0	6
23	A low-cost, ligand exchange-free strategy to synthesize large-grained Cu₂ZnSnS₄ thin-films without a fine-grain underlayer from nanocrystals. Journal of Materials Chemistry A, 2015, 3, 17788-17796.	5.2	25
24	Study on Phase Formation Mechanism of Non- and Near-Stoichiometric Cu₂ZnSn(S,Se)₄ Film Prepared by Selenization of Cuâ€“Snâ€“Znâ€“S Precursors. Chemistry of Materials, 2014, 26, 2005-2014.	3.2	83
25	Substrate-assisted self-organization of Niâ€“Cu spherical double hydroxide (SDH) and its excellent pseudo-capacitive performance. Journal of Materials Chemistry A, 2014, 2, 4660.	5.2	18
26	Intercalating graphene with clusters of Fe₃O₄ nanocrystals for electrochemical supercapacitors. Materials Research Express, 2014, 1, 025015.	0.8	59
27	A study on dramatically enhanced capacitance of graphene-decorated hierarchically porous nickelian heterogenite for energy storage application. Electrochimica Acta, 2013, 114, 543-550.	2.6	7
28	Hierarchical porous Cu2ZnSnS4 films for high-capacity reversible lithium storage applications. Journal of Materials Chemistry A, 2013, 1, 7927.	5.2	63
29	Hierarchically Porous Ni-Co Oxide for High Reversibility Asymmetric Full-Cell Supercapacitors. Journal of the Electrochemical Society, 2012, 159, A651-A656.	1.3	299
30	Exploration of the active center structure of nitrogen-doped graphene-based catalysts for oxygen reduction reaction. Energy and Environmental Science, 2012, 5, 7936.	15.6	2,089