

Chunhua Tang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10491140/publications.pdf>

Version: 2024-02-01

30
papers

3,659
citations

430754

18
h-index

501076

28
g-index

31
all docs

31
docs citations

31
times ranked

7143
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of the active center structure of nitrogen-doped graphene-based catalysts for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2012, 5, 7936.	15.6	2,089
2	Hierarchically Porous Ni-Co Oxide for High Reversibility Asymmetric Full-Cell Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2012, 159, A651-A656.	1.3	299
3	ZnO Nanosheets Abundant in Oxygen Vacancies Derived from Metal-Organic Frameworks for ppb-Level Gas Sensing. <i>Advanced Materials</i> , 2019, 31, e1807161.	11.1	251
4	Water oxidation on a mononuclear manganese heterogeneous catalyst. <i>Nature Catalysis</i> , 2018, 1, 870-877.	16.1	244
5	Metal-organic framework-derived hierarchical MoS ₂ /CoS ₂ nanotube arrays as pH-universal electrocatalysts for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13339-13346.	5.2	133
6	On-Chip Tailorability of Capacitive Gas Sensors Integrated with Metal-Organic Framework Films. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14089-14094.	7.2	86
7	Study on Phase Formation Mechanism of Non- and Near-Stoichiometric Cu ₂ ZnSn(S,Se) ₄ Film Prepared by Selenization of Cu-Sn-S Precursors. <i>Chemistry of Materials</i> , 2014, 26, 2005-2014.	3.2	83
8	Hierarchical porous Cu ₂ ZnSnS ₄ films for high-capacity reversible lithium storage applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7927.	5.2	63
9	Intercalating graphene with clusters of Fe ₃ O ₄ nanocrystals for electrochemical supercapacitors. <i>Materials Research Express</i> , 2014, 1, 025015.	0.8	59
10	In-situ characterization by Near-Ambient Pressure XPS of the catalytically active phase of Pt/Al ₂ O ₃ during NO and CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 506-511.	10.8	46
11	(CH ₃ NH ₃) ₂ PdCl ₄ : A Compound with Two-Dimensional Organic-Inorganic Layered Perovskite Structure. <i>Chemistry - A European Journal</i> , 2016, 22, 2146-2152.	1.7	45
12	Material structure, properties, and dynamics through scanning transmission electron microscopy. <i>Journal of Analytical Science and Technology</i> , 2018, 9, 11.	1.0	30
13	Controlling the Magnetic Properties of LaMnO ₃ /SrTiO ₃ Heterostructures by Stoichiometry and Electronic Reconstruction: Atomic-Scale Evidence. <i>Advanced Materials</i> , 2019, 31, 1901386.	11.1	27
14	A low-cost, ligand exchange-free strategy to synthesize large-grained Cu ₂ ZnSnS ₄ thin-films without a fine-grain underlayer from nanocrystals. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17788-17796.	5.2	25
15	Chemical insights into the roles of nanowire cores on the growth and supercapacitor performances of Ni-Co-O/Ni(OH) ₂ core/shell electrodes. <i>Scientific Reports</i> , 2016, 6, 21566.	1.6	24
16	On-Chip Tailorability of Capacitive Gas Sensors Integrated with Metal-Organic Framework Films. <i>Angewandte Chemie</i> , 2019, 131, 14227-14232.	1.6	24
17	Influence of Ligands on the Formation of Kesterite Thin Films for Solar Cells: A Comparative Study. <i>ChemSusChem</i> , 2016, 9, 1032-1041.	3.6	20
18	Substrate-assisted self-organization of Ni-Cu spherical double hydroxide (SDH) and its excellent pseudo-capacitive performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4660.	5.2	18

#	ARTICLE	IF	CITATIONS
19	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1801766.	7.8	18
20	Large-Scale Color-Changing Thin Film Energy Storage Device with High Optical Contrast and Energy Storage Capacity. <i>ACS Applied Energy Materials</i> , 2018, 1, 1658-1663.	2.5	14
21	Characteristic Lengths of Interlayer Charge Transfer in Correlated Oxide Heterostructures. <i>Nano Letters</i> , 2020, 20, 2493-2499.	4.5	11
22	Biosensors: ZnO Nanosheets Abundant in Oxygen Vacancies Derived from Metal-Organic Frameworks for ppb-Level Gas Sensing (<i>Adv. Mater.</i> 11/2019). <i>Advanced Materials</i> , 2019, 31, 1970076.	11.1	10
23	Probing the Oxidation/Reduction Dynamics of Fresh and P-, Na-, and K-Contaminated Pt/Pd/Al ₂ O ₃ Diesel Oxidation Catalysts by STEM, TPR, and in Situ XANES. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2945-2952.	1.5	10
24	A study on dramatically enhanced capacitance of graphene-decorated hierarchically porous nickelian heterogenite for energy storage application. <i>Electrochimica Acta</i> , 2013, 114, 543-550.	2.6	7
25	Effect of Sulfide Precursor Selection on the Nucleation, Growth, and Elemental Composition of Cu ₂ ZnSn ₄ Nanocrystals. <i>Crystal Growth and Design</i> , 2017, 17, 73-79.	1.4	7
26	Significantly different mechanical properties and interfacial structures of Cu ₂ ZnSn(S,Se) ₄ films prepared from metallic and sulfur-contained precursors. <i>Solar Energy Materials and Solar Cells</i> , 2015, 134, 389-394.	3.0	6
27	Correlated Lattice Instability and Emergent Charged Domain Walls at Oxide Heterointerfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1906655.	7.8	6
28	Atomic scale characterization of point and extended defects in niobate thin films. <i>Ultramicroscopy</i> , 2019, 203, 82-87.	0.8	4
29	Observation of an Emerging Charged Domain Wall at a Non-ferroelectric Heterointerface with Aberration-corrected STEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 672-673.	0.2	0
30	Titelbild: On-Chip Tailorability of Capacitive Gas Sensors Integrated with Metal-Organic Framework Films (<i>Angew. Chem.</i> 40/2019). <i>Angewandte Chemie</i> , 2019, 131, 14137-14137.	1.6	0