

Yong-Fu Zhu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2440614/yong-fu-zhu-publications-by-year.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63 papers	1,264 citations	21 h-index	34 g-index
66 ext. papers	1,497 ext. citations	5.3 avg, IF	4.74 L-index

#	Paper	IF	Citations
63	Effects of surface and grain boundary on temperature-pressure nano-phase diagrams of nanostructured carbon. <i>Scripta Materialia</i> , 2022 , 207, 114267	5.6	0
62	Steric Hindrance- and Work Function-Promoted High Performance for Electrochemical CO Methanation on Antisite Defects of MoS and WS. <i>ChemSusChem</i> , 2021 , 14, 2255-2261	8.3	1
61	CoMoO ₃ Nanoplate/Reduced Graphene Oxide Composites Decorated with Ag Nanoparticles for Electrocatalytic Water Oxidation. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5383-5393	5.6	3
60	Modeling and analysis of the influencing factors of illite resistivity in ultra-low permeability oilfield. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	1
59	CoMoO ₄ /rGO hybrid structure embellished with Cu nanoparticles: An electrocatalyst rich in oxygen vacancies towards enhanced oxygen evolution reaction. <i>Materials Letters</i> , 2021 , 293, 129741	3.3	1
58	Potassium-ion batteries with novel N, O enriched corn silk-derived carbon as anode exhibiting excellent rate performance. <i>Journal of Power Sources</i> , 2021 , 481, 228644	8.9	18
57	Nanoporous Surface High-Entropy Alloys as Highly Efficient Multisite Electrocatalysts for Nonacidic Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2021 , 31, 2009613	15.6	47
56	Failure Analysis for Hydraulic System of Heavy-Duty Machine Tool with Incomplete Failure Data. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1249	2.6	2
55	Co _{1-x} Ni _x Zn _y (CO ₃) _{0.5} (OH) _{1.1} H ₂ O Nanoneedles/NiCo-Layered Double Hydroxide Nanosheet Composites on Vulcanized Ni Foams for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1743-1753	5.6	3
54	3D hierarchical self-supported NiO/Co ₃ O ₄ @C/CoS ₂ nanocomposites as electrode materials for high-performance supercapacitors. <i>Nanoscale Advances</i> , 2020 , 2, 2785-2791	5.1	13
53	Optimizing the supercapacitive performance via encasing MOF-derived hollow (Ni,Co)Se ₂ nanocubes into reduced graphene oxide. <i>Chemical Engineering Journal</i> , 2020 , 399, 125789	14.7	32
52	Composition- and layer-dependent bandgap of two-dimensional transition metal dichalcogenides alloys. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 124, 114243	3	1
51	Preparation and Property Study of Organosilicon Antisticking Coatings. <i>Advances in Materials Science and Engineering</i> , 2020 , 2020, 1-9	1.5	
50	Sulfur-Modified Carbon-Coated CoMoO ₃ Nanohybrid Electrodes for Enhanced Lithium-Storage Capacity. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1808-1820	5.6	4
49	Effect of small amounts of chalcogen alloying elements on the oxidation resistance of copper. <i>Corrosion Reviews</i> , 2020 , 38, 529-536	3.2	
48	Reliability optimization design of hydraulic system considering oil contamination. <i>Journal of Mechanical Science and Technology</i> , 2020 , 34, 5041-5051	1.6	0
47	High-loading intrinsic active sites for ammonia synthesis using efficient single-atom catalyst: 2D tungsten-porphyrin sheet. <i>Applied Surface Science</i> , 2020 , 529, 147183	6.7	10

46	Composites of Reduced Graphene Oxide and Fe ₂ O ₃ Nanoparticles Anchored on MoS ₂ Nanosheets for Lithium Storage. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9009-9015	5.6	2
45	Three-dimensional Ni/MnO ₂ nanocylinder array with high capacitance for supercapacitors. <i>Results in Physics</i> , 2019 , 12, 1411-1416	3.7	7
44	Growth performance, zinc tissue content, and intestinal health in meat ducks fed different specific surface area of micronized zinc oxide. <i>Poultry Science</i> , 2019 , 98, 3894-3901	3.9	3
43	Raising glass transition temperature of polymer nanofilms as a function of negative interface energy. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5224-5231	3.6	
42	Dependence of Thermal Annealing on Transparent Conducting Properties of HoF ₃ -Doped ZnO Thin Films. <i>Chinese Physics Letters</i> , 2019 , 36, 057303	1.8	2
41	Activated basal planes of WS ₂ by intrinsic defects as catalysts for the electrocatalytic nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25961-25968	13	28
40	Thickness-dependent bandgap of transition metal dichalcogenides dominated by interlayer van der Waals interaction. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 109, 11-16	3	9
39	Novel electronic properties of two-dimensional As _x Sb _{1-x} alloys studied using DFT. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2854-2861	7.1	13
38	Thickness-dependent surface energies of few-layered arsenene and antimonene films in $\sqrt{3}\times\sqrt{3}$ and 2×2 phases. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 101, 38-43	3	7
37	Interface effect on the cohesive energy of nanostructured materials and substrate-supported nanofilms. <i>Dalton Transactions</i> , 2018 , 47, 4856-4865	4.3	2
36	Eu and F co-doped ZnO-based transparent electrodes for organic and quantum dot light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5542-5551	7.1	11
35	Effect of the interface energy on the pressure-induced superheating of metallic nanoparticles embedded in a matrix. <i>Scripta Materialia</i> , 2018 , 142, 23-27	5.6	6
34	Strain tuned InSe/MoS bilayer van der Waals heterostructures for photovoltaics or photocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17574-17582	3.6	38
33	High thermal stability of core-shell structures dominated by negative interface energy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9253-9260	3.6	7
32	Transcriptome characterization of HPG axis from Chinese sea perch <i>Lateolabrax maculatus</i> . <i>Journal of Fish Biology</i> , 2017 , 91, 1407-1418	1.9	5
31	Formation of arsenene p-n junctions via organic molecular adsorption. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7283-7290	7.1	16
30	Lithium Storage in Carbon-coated Zinc Iron Oxides as Anode Materials for Lithium-Ion Batteries. <i>Energy Technology</i> , 2017 , 5, 611-615	3.5	6
29	Facile Synthesis of Sulfur Polypyrrole as Cathodes for Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2017 , 4, 115-121	4.3	43

28	Facile Synthesis of Ni Zn Fe O (x=0, 0.25, 0.5, 0.75, 1) as Anode Materials for Lithium Storage. <i>ChemPlusChem</i> , 2016 , 81, 1174-1181	2.8	10
27	Design of Hydrogen Storage Alloys/Nanoporous Metals Hybrid Electrodes for Nickel-Metal Hydride Batteries. <i>Scientific Reports</i> , 2016 , 6, 27601	4.9	21
26	Facile Synthesis of Non-Graphitizable Polypyrrole-Derived Carbon/Carbon Nanotubes for Lithium-ion Batteries. <i>Scientific Reports</i> , 2016 , 6, 19317	4.9	47
25	Single-crystalline Ni(OH) ₂ nanosheets vertically aligned on a three-dimensional nanoporous metal for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23412-23419	4.3	40
24	DFT study of CO oxidation on Cu ₂ O/Au interfaces at Au/Cu alloy surfaces. <i>RSC Advances</i> , 2015 , 5, 1587-1597	3.7	11
23	Mesostructured Intermetallic Compounds of Platinum and Non-Transition Metals for Enhanced Electrocatalysis of Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2015 , 25, 230-237	15.6	113
22	Al ₁₃ @Pt ₄₂ core-shell cluster for oxygen reduction reaction. <i>Scientific Reports</i> , 2014 , 4, 5205	4.9	58
21	Layered SiC sheets: a potential catalyst for oxygen reduction reaction. <i>Scientific Reports</i> , 2014 , 4, 3821	4.9	92
20	Toward Tandem Photovoltaic Devices Employing Nanoarray Graphene-Based Sheets. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2385-2390	3.8	6
19	Role of edge geometry and magnetic interaction in opening bandgap of low-dimensional graphene. <i>ChemPhysChem</i> , 2014 , 15, 958-65	3.2	6
18	Cohesive-energy-resolved bandgap of nanoscale graphene derivatives. <i>ChemPhysChem</i> , 2014 , 15, 2563-8	3.2	1
17	Gap openings in graphene regarding interfacial interaction from substrates. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5600-4	3.6	3
16	SnO ₂ nanoparticles embedded in 3D nanoporous/solid copper current collectors for high-performance reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15519	13	25
15	Nanoporous Au/SnO/Ag heterogeneous films for ultrahigh and uniform surface-enhanced Raman scattering. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7216	7.1	25
14	Electronic and Magnetic Engineering in Zigzag Graphene Nanoribbons Having a Topological Line Defect at Different Positions with or without Strain. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4791-4799	3.8	33
13	Physicochemical insight into gap openings in graphene. <i>Scientific Reports</i> , 2013 , 3, 1524	4.9	44
12	Bandgap Opening of Bilayer Graphene by Dual Doping from Organic Molecule and Substrate. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12873-12881	3.8	66
11	Molecular orientation transformation in initial growth stage of disk-like phthalocyanine during organic vapor deposition process. <i>Chemical Science</i> , 2012 , 3, 528-536	9.4	21

10	Distinct Young's modulus of nanostructured materials in comparison with nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 21328-32	3.6	11
9	Copper metallization for current very large scale integration. <i>Recent Patents on Nanotechnology</i> , 2011 , 5, 106-37	1.2	8
8	Electron scattering and electrical conductance in polycrystalline metallic films and wires: impact of grain boundary scattering related to melting point. <i>ACS Nano</i> , 2010 , 4, 3781-8	16.7	38
7	Oxidation Behavior of CO Catalyzed by Several Decahedral Au Clusters: Role of Cluster Stability and Electric Field. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21094-21099	3.8	22
6	Site- and Structure-Dependent Cohesive Energy in Several Ag Clusters. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10907-10912	3.8	20
5	Modeling of the Melting Point, Debye Temperature, Thermal Expansion Coefficient, and the Specific Heat of Nanostructured Materials. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16896-16900	3.8	116
4	Modeling lattice expansion and cohesive energy of nanostructured materials. <i>Applied Physics Letters</i> , 2009 , 95, 083110	3.4	40
3	Structures and Quantum Conduction of Copper Nanowires under Electric Fields Using First Principles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9045-9049	3.8	39
2	Effect of negative substrate bias voltage on the nucleation and growth of Cu films during the initial stage of ion beam deposition. <i>Metals and Materials International</i> , 2008 , 14, 381-384	2.4	6
1	Physicochemical insight into gap openings in graphene		1