

Yu Lin Zhong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

4,374
citations

34
h-index

66
g-index

81
ext. papers

5,025
ext. citations

8.8
avg, IF

5.7
L-index

#	Paper	IF	Citations
77	Scalable Spray Drying Production of Amorphous V O -EGO 2D Heterostructured Xerogels for High-Rate and High-Capacity Aqueous Zinc Ion Batteries.. <i>Small</i> , 2022 , 18, e2105761	11	4
76	Enhanced Electrohydrodynamics for Electrospinning a Highly Sensitive Flexible Fiber-Based Piezoelectric Sensor. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 1301-1310	4	4
75	W18O49 nanowires-graphene nanocomposite for asymmetric supercapacitors employing AlCl ₃ aqueous electrolyte. <i>Chemical Engineering Journal</i> , 2021 , 409, 128216	14.7	27
74	Harnessing the Potential of Graphitic Carbon Nitride for Optoelectronic Applications. <i>Advanced Optical Materials</i> , 2021 , 9, 2100146	8.1	4
73	Facile Synthesis of Boron-Doped Reduced Electrochemical Graphene Oxide for Sodium Ion Battery Anode. <i>Jom</i> , 2021 , 73, 2531	2.1	0
72	Enhanced electrochemical production and facile modification of graphite oxide for cost-effective sodium ion battery anodes. <i>Carbon</i> , 2021 , 177, 71-78	10.4	14
71	Doping Strategies in Sb S Thin Films for Solar Cells. <i>Small</i> , 2021 , 17, e2100241	11	18
70	Electrochemically Exfoliated Platinum Dichalcogenide Atomic Layers for High-Performance Air-Stable Infrared Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8518-8527	9.5	9
69	Nanomaterials and Composites for Energy Conversion and Storage. <i>Jom</i> , 2021 , 73, 2752-2753	2.1	2
68	Highly Dispersed Ru Nanoparticles on Boron-Doped Ti C T (MXene) Nanosheets for Synergistic Enhancement of Electrocatalytic Hydrogen Evolution. <i>Small</i> , 2021 , 17, e2102218	11	12
67	Recent Advances in Perovskite-Based Building-Integrated Photovoltaics. <i>Advanced Materials</i> , 2020 , 32, e2000631	24	37
66	Heat and Electro-Responsive Nanomaterials for Smart Windows. <i>Springer Series in Materials Science</i> , 2020 , 215-243	0.9	0
65	Phosphorus and Sulfur Co-Doped Cobaltous Oxide Synthesized by an Inorganic-Salt-Assisted Method: Reaction Mechanism and Electrocatalytic Application. <i>ChemPlusChem</i> , 2020 , 85, 1602-1611	2.8	2
64	Defect Engineering in Titanium-Based Oxides for Electrochemical Energy Storage Devices. <i>Electrochemical Energy Reviews</i> , 2020 , 3, 286-343	29.3	34
63	Flexible and stretchable inorganic electronics: Conductive materials, fabrication strategy, and applicable devices 2020 , 199-252		2
62	Single-Atom Electrocatalysts for Lithium Sulfur Batteries: Progress, Opportunities, and Challenges 2020 , 2, 1450-1463		44
61	Fast and cost-effective room temperature synthesis of high quality graphene oxide with excellent structural intactness. <i>Sustainable Materials and Technologies</i> , 2020 , 25, e00198	5.3	0

60	Scalable Production of Graphene Oxide Using a 3D-Printed Packed-Bed Electrochemical Reactor with a Boron-Doped Diamond Electrode. <i>ACS Applied Nano Materials</i> , 2019 , 2, 867-878	5.6	25
59	Encapsulation of Plasmid DNA by Nanoscale Metal-Organic Frameworks for Efficient Gene Transportation and Expression. <i>Advanced Materials</i> , 2019 , 31, e1901570	24	76
58	Design of three-dimensional hierarchical TiO ₂ /SrTiO ₃ heterostructures towards selective CO ₂ photoreduction. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1667-1674	6.8	20
57	Sustainable Recycling of Formic Acid by Bio-Catalytic CO ₂ Capture and Re-Hydrogenation. <i>Journal of Carbon Research</i> , 2019 , 5, 22	3.3	4
56	A Multifunctional Wearable Device with a Graphene/Silver Nanowire Nanocomposite for Highly Sensitive Strain Sensing and Drug Delivery. <i>Journal of Carbon Research</i> , 2019 , 5, 17	3.3	12
55	Room temperature production of graphene oxide with thermally labile oxygen functional groups for improved lithium ion battery fabrication and performance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9646-9655	13	16
54	Electrochemically-derived graphene oxide membranes with high stability and superior ionic sieving. <i>Chemical Communications</i> , 2019 , 55, 4075-4078	5.8	15
53	A versatile PDMS submicrobead/graphene oxide nanocomposite ink for the direct ink writing of wearable micron-scale tactile sensors. <i>Applied Materials Today</i> , 2019 , 16, 482-492	6.6	56
52	Recent Progress of Direct Ink Writing of Electronic Components for Advanced Wearable Devices. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1718-1734	4	54
51	NiCoO ₄ hole transport materials: gap state assisted hole extraction with superior electrical conductivity. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20905-20910	13	17
50	The role of electrolyte acid concentration in the electrochemical exfoliation of graphite: Mechanism and synthesis of electrochemical graphene oxide. <i>Nano Materials Science</i> , 2019 , 1, 215-223	10.2	23
49	Tungsten-Doped Nanocrystalline V ₆ O ₁₃ Nanoparticles as Low-Cost and High-Performance Electrodes for Energy Storage Devices. <i>Energy Technology</i> , 2019 , 7, 1801041	3.5	8
48	Enhanced Thermochemical H ₂ Production on Ca-Doped Lanthanum Manganite Perovskites Through Optimizing the Dopant Level and Re-oxidation Temperature. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018 , 31, 431-439	2.5	6
47	A novel carbazole derivative containing fluorobenzene unit: aggregation-induced fluorescence emission, polymorphism, mechanochromism and non-reversible thermo-stimulus fluorescence. <i>CrystEngComm</i> , 2018 , 20, 2772-2779	3.3	15
46	Electrolyte Effect on Electrocatalytic Hydrogen Evolution Performance of One-Dimensional Cobalt Dithiolene Metal-Organic Frameworks: A Theoretical Perspective. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1688-1694	6.1	14
45	Remarkably enhanced water splitting activity of nickel foam due to simple immersion in a ferric nitrate solution. <i>Nano Research</i> , 2018 , 11, 3959-3971	10	45
44	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. <i>Angewandte Chemie</i> , 2018 , 130, 16749-16753	3.6	41
43	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16511-16515	16.4	190

42	Magnetic Electrodeposition of the Hierarchical Cobalt Oxide Nanostructure from Spent Lithium-Ion Batteries: Its Application as a Supercapacitor Electrode. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12200-12206	3.8	59
41	Enhanced Thermochemical Water Splitting through Formation of Oxygen Vacancy in La Sr BO (B=Cr, Mn, Fe, Co, and Ni) Perovskites. <i>ChemPlusChem</i> , 2018 , 83, 924-928	2.8	10
40	Low-temperature processed In ₂ S ₃ electron transport layer for efficient hybrid perovskite solar cells. <i>Nano Energy</i> , 2017 , 36, 102-109	17.1	74
39	Ca ²⁺ and Ga ³⁺ doped LaMnO ₃ perovskite as a highly efficient and stable catalyst for two-step thermochemical water splitting. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1013-1017	5.8	23
38	Facile electrochemical approach for the production of graphite oxide with tunable chemistry. <i>Carbon</i> , 2017 , 112, 185-191	10.4	48
37	Wavelength-tunable waveguides based on polycrystalline organic-inorganic perovskite microwires. <i>Nanoscale</i> , 2016 , 8, 6258-64	7.7	66
36	Efficient Excitation of Multiple Plasmonic Modes on Three-Dimensional Graphene: An Unexplored Dimension. <i>ACS Photonics</i> , 2016 , 3, 1986-1992	6.3	34
35	Mechanically-Assisted Electrochemical Production of Graphene Oxide. <i>Chemistry of Materials</i> , 2016 , 28, 8429-8438	9.6	67
34	One-step solid phase synthesis of a highly efficient and robust cobalt pentlandite electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18314-18321	13	80
33	Graphene Photodetectors: Large-Scale Production of Bismuth Chalcogenide and Graphene Heterostructure and Its Application for Flexible Broadband Photodetector (Adv. Electron. Mater. 5/2016). <i>Advanced Electronic Materials</i> , 2016 , 2,	6.4	1
32	Large-Scale Production of Bismuth Chalcogenide and Graphene Heterostructure and Its Application for Flexible Broadband Photodetector. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600077	6.4	29
31	Challenges of Industrial-Scale Graphene Oxide Production 2016 , 410-431		12
30	Solvothermal Growth of Bismuth Chalcogenide Nanoplatelets by the Oriented Attachment Mechanism: An in Situ PXRD Study. <i>Chemistry of Materials</i> , 2015 , 27, 3471-3482	9.6	43
29	Synthesis and Transfer of Large-Area Monolayer WS ₂ Crystals: Moving Toward the Recyclable Use of Sapphire Substrates. <i>ACS Nano</i> , 2015 , 9, 6178-87	16.7	163
28	Porous MnO/Mn ₃ O ₄ nanocomposites for electrochemical energy storage. <i>Nano Energy</i> , 2015 , 13, 702-708	19.1	46
27	Electrochemical exfoliation of graphite and production of functional graphene. <i>Current Opinion in Colloid and Interface Science</i> , 2015 , 20, 329-338	7.6	202
26	Scalable production of graphene via wet chemistry: progress and challenges. <i>Materials Today</i> , 2015 , 18, 73-78	21.8	209
25	Hollow melon-seed-shaped lithium iron phosphate micro- and sub-micrometer plates for lithium-ion batteries. <i>ChemSusChem</i> , 2014 , 7, 1618-22	8.3	15

24	Substituent effects on the kinetics of bifunctional styrene SAM formation on H-terminated Si. <i>Langmuir</i> , 2014 , 30, 7687-94	4	5
23	Enhanced electrochemical expansion of graphite for in situ electrochemical functionalization. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17896-9	16.4	138
22	Potassium spin polarization lifetime for a 30-carbon chain siloxane film. <i>Journal of Chemical Physics</i> , 2012 , 137, 174703	3.9	5
21	Mild and efficient functionalization of hydrogen-terminated Si(111) via sonochemical activated hydrosilylation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8118-21	16.4	34
20	Direct photochemical functionalization of Si(111) with undecenol. <i>Langmuir</i> , 2011 , 27, 1796-802	4	19
19	UV-visible-near infrared photoabsorption and photodetection using close-packed metallic gold nanoparticle network. <i>Journal of Applied Physics</i> , 2010 , 107, 053510	2.5	15
18	The chemistry of C-H bond activation on diamond. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1532-40	4.5	34
17	Oxygen-Terminated Nanocrystalline Diamond Film as an Efficient Anode in Photovoltaics. <i>Advanced Functional Materials</i> , 2010 , 20, 1313-1318	15.6	34
16	Fluorescent Nanogel of Arsenic Sulfide Nanoclusters. <i>Angewandte Chemie</i> , 2009 , 121, 6400-6403	3.6	4
15	Fluorescent nanogel of arsenic sulfide nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6282-5	16.4	40
14	Large area, continuous, few-layered graphene as anodes in organic photovoltaic devices. <i>Applied Physics Letters</i> , 2009 , 95, 063302	3.4	368
13	Hydrothermal Dehydration for the Green Reduction of Exfoliated Graphene Oxide to Graphene and Demonstration of Tunable Optical Limiting Properties. <i>Chemistry of Materials</i> , 2009 , 21, 2950-2956	9.6	1285
12	Electrostatically self-assembled polyoxometalates on molecular-dye-functionalized diamond. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18293-8	16.4	57
11	Nanocontact-induced catalytic activation in palladium nanoparticles. <i>Nanoscale</i> , 2009 , 1, 391-4	7.7	19
10	Suzuki Coupling of Aryl Organics on Diamond. <i>Chemistry of Materials</i> , 2008 , 20, 3137-3144	9.6	51
9	Diamond-based molecular platform for photoelectrochemistry. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17218-9	16.4	41
8	Bifunctional FePt Core-Shell and Hollow Spheres: Sonochemical Preparation and Self-Assembly. <i>Chemistry of Materials</i> , 2007 , 19, 2566-2572	9.6	48
7	Optimizing biosensing properties on undecylenic Acid-functionalized diamond. <i>Langmuir</i> , 2007 , 23, 5824-30	4.3	42

6	Cell adhesion properties on photochemically functionalized diamond. <i>Langmuir</i> , 2007 , 23, 5615-21	4	56
5	Syntheses and catalytic activities of Group 4 metal complexes derived from C(cage)-appended cyclohexyloxocarborane trianion. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 2802-2808	2-3	35
4	Elemental 2D Materials: Solution-Processed Synthesis and Applications in Electrochemical Ammonia Production. <i>Advanced Functional Materials</i> , 2107280	15.6	4
3	Ru(bpy) ₃ ²⁺ -sensitized {001} facets LiCoO ₂ nanosheets catalyzed CO ₂ reduction reaction with 100% carbonaceous products. <i>Nano Research</i> , 1	10	6
2	Exfoliated 2D Antimonene-Based Structures for Light-Harvesting Photoactive Layer of Highly Stable Solar Cells. <i>Small Structures</i> , 2200038	8.7	1
1	A focus review on 3D printing of wearable energy storage devices		0