

Linfeng Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2701333/publications.pdf>

Version: 2024-02-01

91
papers

10,669
citations

38742

50
h-index

39675

94
g-index

99
all docs

99
docs citations

99
times ranked

12937
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Incorporation of V and Mn Element into Polyanionic NASICON for High Energy Density and Long Lifespan Zn Ion Storage. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	53
2	Realizing Interfacial Electron/Hole Redistribution and Superhydrophilic Surface through Building Heterostructural 2Ånm Co _{0.85} Se _{0.15} NiSe Nanograins for Efficient Overall Water Splittings. <i>Small Methods</i> , 2022, 6, e2200459.	8.6	14
3	Carbonate Hydroxide Induced Metal Organic Framework Transformation Strategy for Honeycomb Like NiCoP Nanoplates to Drive Enhanced pH Universal Hydrogen Evolution. <i>Small Methods</i> , 2022, 6, .	8.6	8
4	Vacancies boosting strategy enabling enhanced oxygen evolution activity in a library of novel amorphous selenite electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119758.	20.2	55
5	Freeze-drying and hot-pressing strategy to embed two-dimensional Ti _{0.87} O ₂ monolayers in commercial polypropylene films with enhanced dielectric properties. <i>Journal of Advanced Ceramics</i> , 2021, 10, 368-376.	17.4	3
6	Selenic Acid Etching Assisted Vacancy Engineering for Designing Highly Active Electrocatalysts toward the Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2021, 33, e2007523.	21.0	116
7	Macroporous, Freestanding Birnessite H _{0.08} MnO ₂ ·0.7H ₂ O Nanobelts/Carbon Nanotube Membranes for Wearable Zinc-Ion Batteries with Superior Rate Capability and Cyclability. <i>ACS Applied Energy Materials</i> , 2021, 4, 4138-4149.	5.1	12
8	Bilayered VOPO ₄ ·2H ₂ O Nanosheets with High Concentration Oxygen Vacancies for High Performance Aqueous Zinc Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2106816.	14.9	104
9	Spontaneous knitting behavior of 6.7-nm thin (NH ₄) _{0.38} V ₂ O ₅ nano-ribbons for binder-free zinc-ion batteries. <i>Energy Storage Materials</i> , 2021, 42, 286-294.	18.0	46
10	Principles of interlayer-spacing regulation of layered vanadium phosphates for superior zinc-ion batteries. <i>Energy and Environmental Science</i> , 2021, 14, 4095-4106.	30.8	121
11	Bilayered VOPO ₄ ·2H ₂ O Nanosheets with High Concentration Oxygen Vacancies for High Performance Aqueous Zinc Ion Batteries (<i>Adv. Funct. Mater.</i> 45/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170335.	14.9	3
12	Alleviated Mn ²⁺ dissolution drives long-term cycling stability in ultrafine Mn ₃ O ₄ /PPy core shell nanodots for zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27380-27389.	10.3	14
13	Ultrathin VSe ₂ Nanosheets with Fast Ion Diffusion and Robust Structural Stability for Rechargeable Zinc Ion Battery Cathode. <i>Small</i> , 2020, 16, e2000698.	10.0	154
14	A Layered Zn _{0.4} VOPO ₄ ·0.8H ₂ O Cathode for Robust and Stable Zn Ion Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 3919-3927.	5.1	60
15	Ultrafast Zinc-Ion Diffusion Ability Observed in 6.0-Nanometer Spinel Nanodots. <i>ACS Nano</i> , 2019, 13, 10376-10385.	14.6	124
16	Novel Sub 5 nm Layered Niobium Phosphate Nanosheets for High Voltage, Cation Intercalation Typed Electrochemical Energy Storage in Wearable Pseudocapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1900111.	19.5	57
17	A long-lifespan, flexible zinc-ion secondary battery using a paper-like cathode from single-atomic layer MnO ₂ nanosheets. <i>Nanoscale Advances</i> , 2019, 1, 4365-4372.	4.6	33
18	Thermal transformation of ZnCo _{1.5} (OH) _{4.5} Cl _{0.5} ·0.45H ₂ O into hexagonal ZnCo ₂ O ₄ nanosheets for high-performance secondary ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 783, 455-459.	5.5	5

#	ARTICLE	IF	CITATIONS
19	Cu _{0.33} Co _{0.67} S ₂ Hexagonal Sheets with 2D Hierarchical Structures for High-Rate and Long-Term Lithium Storage. <i>ChemNanoMat</i> , 2019, 5, 531-538.	2.8	3
20	<i>In Situ</i> Growth of Layered Bimetallic ZnCo Hydroxide Nanosheets for High-Performance All-Solid-State Pseudocapacitor. <i>ACS Nano</i> , 2018, 12, 2968-2979.	14.6	193
21	Rapid Amorphization in Metastable CoSeO ₃ ·H ₂ O Nanosheets for Ultrafast Lithiation Kinetics. <i>ACS Nano</i> , 2018, 12, 5011-5020.	14.6	53
22	Lower ammoniation activation energy of CoN nanosheets by Mn doping with superior energy storage performance for secondary ion batteries. <i>Nanoscale</i> , 2018, 10, 5581-5590.	5.6	31
23	Epitaxial growth of NiCo ₂ S ₄ /Co ₉ S ₈ @Graphene heterogenous nanocomposites with high-rate lithium storage performance. <i>Journal of Alloys and Compounds</i> , 2018, 747, 926-933.	5.5	14
24	CuGaS ₂ nanoplates: a robust and self-healing anode for Li/Na ion batteries in a wide temperature range of 268–318 K. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1086-1093.	10.3	44
25	Electrocatalytic CO ₂ Reduction: 2D Assembly of Confined Space toward Enhanced CO ₂ Electroreduction (<i>Adv. Energy Mater.</i> 25/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870112.	19.5	1
26	Freestanding CoSeO ₃ ·H ₂ O nanoribbon/carbon nanotube composite paper for 2.4 V high-voltage, flexible, solid-state supercapacitors. <i>Nanoscale</i> , 2018, 10, 12003-12010.	5.6	56
27	2D Assembly of Confined Space toward Enhanced CO ₂ Electroreduction. <i>Advanced Energy Materials</i> , 2018, 8, 1801230.	19.5	49
28	Fractal (Ni _x Co _{1-x}) ₉ Se ₈ Nanodendrite Arrays with Highly Exposed () Surface for Wearable, All-Solid-State Supercapacitor. <i>Advanced Energy Materials</i> , 2018, 8, 1801392.	19.5	183
29	<i>In situ</i> growth of (NH ₄) ₂ V ₁₀ O ₂₅ ·8H ₂ O urchin-like hierarchical arrays as superior electrodes for all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16308-16315.	10.3	38
30	Forming free and ultralow-power erase operation in atomically crystal TiO ₂ resistive switching. <i>2D Materials</i> , 2017, 4, 025012.	4.4	14
31	Superior Adsorption and Regenerable Dye Adsorbent Based on Flower-Like Molybdenum Disulfide Nanostructure. <i>Scientific Reports</i> , 2017, 7, 43599.	3.3	118
32	Solution-Growth Strategy for Large-Scale CuGaO ₂ Nanoplate/ZnS Microsphere Heterostructure Arrays with Enhanced UV Adsorption and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1701066.	14.9	27
33	Pseudocapacitance-tuned high-rate and long-term cyclability of NiCo ₂ S ₄ hexagonal nanosheets prepared by vapor transformation for lithium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9022-9031.	10.3	87
34	Fabrication of novel lamellar alternating nitrogen-doped microporous carbon nanofilm/MoS ₂ composites with high electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22726-22734.	10.3	12
35	Charge Transfer in Ultrafine LDH Nanosheets/Graphene Interface with Superior Capacitive Energy Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37645-37654.	8.0	134
36	Novel Core-Shell Photodetector with High Ultraviolet Selectivity and Enhanced Responsivity. <i>Advanced Functional Materials</i> , 2017, 27, 1704477.	14.9	29

#	ARTICLE	IF	CITATIONS
37	Asymmetric Supercapacitors: Preparation of MnCo ₂ O ₄ @Ni(OH) ₂ Core-Shell Flowers for Asymmetric Supercapacitor Materials with Ultrahigh Specific Capacitance (Adv. Funct. Mater. 23/2016). Advanced Functional Materials, 2016, 26, 4038-4038.	14.9	9
38	Preparation of MnCo ₂ O ₄ @Ni(OH) ₂ Core-Shell Flowers for Asymmetric Supercapacitor Materials with Ultrahigh Specific Capacitance. Advanced Functional Materials, 2016, 26, 4085-4093.	14.9	517
39	Study on electrical defects level in single layer two-dimensional Ta ₂ O ₅ . Chinese Physics B, 2016, 25, 047304.	1.4	4
40	Bottom-up Approach Design, Band Structure, and Lithium Storage Properties of Atomically Thin β -FeOOH Nanosheets. ACS Applied Materials & Interfaces, 2016, 8, 21334-21342.	8.0	49
41	Self-Templated Synthesis of Ultrathin Nanosheets Constructed TiO ₂ Hollow Spheres with High Electrochemical Properties. Advanced Science, 2016, 3, 1600162.	11.2	28
42	A Novel Sustainable Flour Derived Hierarchical Nitrogen-Doped Porous Carbon/Polyaniline Electrode for Advanced Asymmetric Supercapacitors. Advanced Energy Materials, 2016, 6, 1601111.	19.5	303
43	Epitaxial Growth of Lattice-Mismatched Core-Shell TiO ₂ @MoS ₂ for Enhanced Lithium-Ion Storage. Small, 2016, 12, 2792-2799.	10.0	71
44	Uniform carbon-coated CdS core-shell nanostructures: synthesis, ultrafast charge carrier dynamics, and photoelectrochemical water splitting. Journal of Materials Chemistry A, 2016, 4, 1078-1086.	10.3	75
45	Nickel Cobaltite Nanostructures for Photoelectric and Catalytic Applications. Small, 2015, 11, 4267-4283.	10.0	127
46	Semiconductors: Controlled Growth from ZnS Nanoparticles to ZnS@CdS Nanoparticle Hybrids with Enhanced Photoactivity (Adv. Funct. Mater. 3/2015). Advanced Functional Materials, 2015, 25, 495-495.	14.9	3
47	One-Step Self-Assembly Fabrication of High Quality Ni _x Mg _{1-x} O Bowl-Shaped Array Film and Its Enhanced Photocurrent by Mg ²⁺ Doping. Advanced Functional Materials, 2015, 25, 3256-3263.	14.9	13
48	New concept ultraviolet photodetectors. Materials Today, 2015, 18, 493-502.	14.2	661
49	Cathodoluminescence and Photoconductive Characteristics of Single-Crystal Ternary CdS/CdSe/CdS Biaxial Nanobelts. Small, 2015, 11, 1531-1536.	10.0	14
50	Controlled Growth from ZnS Nanoparticles to ZnS@CdS Nanoparticle Hybrids with Enhanced Photoactivity. Advanced Functional Materials, 2015, 25, 445-454.	14.9	239
51	Nickel-Cobalt Layered Double Hydroxide Nanosheets for High-performance Supercapacitor Electrode Materials. Advanced Functional Materials, 2014, 24, 934-942.	14.9	1,235
52	Energy Harvesting for Nanostructured Self-Powered Photodetectors. Advanced Functional Materials, 2014, 24, 2591-2610.	14.9	217
53	Controllable Fabrication and Photoelectrochemical Property of Multilayer Tantalum Nitride Hollow Sphere-Nanofilms. Small, 2014, 10, 3038-3044.	10.0	21
54	Efficient Self-Assembly Synthesis of Uniform CdS Spherical Nanoparticles@Au Nanoparticles Hybrids with Enhanced Photoactivity. Advanced Functional Materials, 2014, 24, 3725-3733.	14.9	211

#	ARTICLE	IF	CITATIONS
55	New UV-Vis Photodetector Based on Individual Potassium Niobate Nanowires with High Performance. <i>Advanced Optical Materials</i> , 2014, 2, 771-778.	7.3	97
56	Dense Assembly of $Gd_2O_3:0.05X$ ($X = Eu, Tb$) Nanorods into Nanoscaled Thin-Films and Their Photoluminescence Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1462-1469.	8.0	17
57	One-Step Hydrothermal Synthesis of 2D Hexagonal Nanoplates of Fe_2O_3 /Graphene Composites with Enhanced Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2014, 24, 5719-5727.	14.9	331
58	Band Gap Tunable Zn_2SnO_4 Nanocubes through Thermal Effect and Their Outstanding Ultraviolet Light Photoresponse. <i>Scientific Reports</i> , 2014, 4, 6847.	3.3	60
59	One-Step Fabrication of Ultrathin Porous Nickel Hydroxide-Manganese Dioxide Hybrid Nanosheets for Supercapacitor Electrodes with Excellent Capacitive Performance. <i>Advanced Energy Materials</i> , 2013, 3, 1636-1646.	19.5	342
60	Low-Dimensional Nanostructure Ultraviolet Photodetectors. <i>Advanced Materials</i> , 2013, 25, 5321-5328.	21.0	362
61	Heteroepitaxial Growth of GaP/ZnS Nanocable with Superior Optoelectronic Response. <i>Nano Letters</i> , 2013, 13, 1941-1947.	9.1	67
62	Cathodoluminescence Modulation of ZnS Nanostructures by Morphology, Doping, and Temperature. <i>Advanced Functional Materials</i> , 2013, 23, 3701-3709.	14.9	69
63	Stacking-Order-Dependent Optoelectronic Properties of Bilayer Nanofilm Photodetectors Made From Hollow ZnS and ZnO Microspheres. <i>Advanced Materials</i> , 2012, 24, 5872-5877.	21.0	134
64	Oil/water interfacial self-assembly for the organization of hydrophobic $NaYF_4:Yb, Er$ nanoplatelets into closely-packed fluorescent nanofilms. <i>Journal of Materials Chemistry</i> , 2012, 22, 944-950.	6.7	15
65	Oil-water interfacial self-assembly of PS/ZnS nanospheres and photoconducting property of corresponding nanofilm. <i>Journal of Materials Chemistry</i> , 2012, 22, 17671.	6.7	10
66	Synthesis and applications of CdSe nano-tetrapods in hybrid photovoltaic devices. <i>Pure and Applied Chemistry</i> , 2012, 84, 2549-2558.	1.9	5
67	Oil-water interfacial self-assembly: a novel strategy for nanofilm and nanodevice fabrication. <i>Chemical Society Reviews</i> , 2012, 41, 1350-1362.	38.1	233
68	Thin SnO_2 Nanowires with Uniform Diameter as Excellent Field Emitters: A Stability of More Than 2400 Minutes. <i>Advanced Functional Materials</i> , 2012, 22, 1613-1622.	14.9	134
69	General Fabrication of Monolayer SnO_2 Nanonets for High-Performance Ultraviolet Photodetectors. <i>Advanced Functional Materials</i> , 2012, 22, 1229-1235.	14.9	141
70	Growth and Device Application of CdSe Nanostructures. <i>Advanced Functional Materials</i> , 2012, 22, 1551-1566.	14.9	122
71	An Optimized Ultraviolet-A Light Photodetector with Wide-Range Photoresponse Based on ZnS/ZnO Biaxial Nanobelt. <i>Advanced Materials</i> , 2012, 24, 2305-2309.	21.0	426
72	An Optimized Ultraviolet-A Light Photodetector with Wide-Range Photoresponse Based on ZnS/ZnO Biaxial Nanobelt (Adv. Mater. 17/2012). <i>Advanced Materials</i> , 2012, 24, 2304-2304.	21.0	2

#	ARTICLE	IF	CITATIONS
73	Electrical Transport Properties of Large, Individual NiCo ₂ O ₄ Nanoplates. <i>Advanced Functional Materials</i> , 2012, 22, 998-1004.	14.9	297
74	Ultrahigh External Quantum Efficiency from Thin SnO ₂ Nanowire Ultraviolet Photodetectors. <i>Small</i> , 2011, 7, 1012-1017.	10.0	278
75	ZnO Hollow Sphere Nanofilm-Based High-Performance and Low-Cost Photodetector. <i>Small</i> , 2011, 7, 2449-2453.	10.0	209
76	New Ultraviolet Photodetector Based on Individual Nb ₂ O ₅ Nanobelts. <i>Advanced Functional Materials</i> , 2011, 21, 3907-3915.	14.9	285
77	ZnS Nanostructure Arrays: A Developing Material Star. <i>Advanced Materials</i> , 2011, 23, 585-598.	21.0	296
78	High-Performance NiCo ₂ O ₄ Nanofilm Photodetectors Fabricated by an Interfacial Self-Assembly Strategy. <i>Advanced Materials</i> , 2011, 23, 1988-1992.	21.0	181
79	Zinc Sulfide Nanostructure Arrays: ZnS Nanostructure Arrays: A Developing Material Star (Adv.) <i>Tj ETQq1 1 0.784314 rrgBT /Overlock 10</i>	21.0	210
80	A simple hydrothermal method to synthesise highly pure hexagonal and rhombus α -LiAlO ₂ nanosheets. <i>International Journal of Materials and Product Technology</i> , 2010, 37, 263.	0.2	2
81	Exfoliation of Layered Europium Hydroxide into Unilamellar Nanosheets. <i>Chemistry - an Asian Journal</i> , 2010, 5, 248-251.	3.3	96
82	One-dimensional inorganic semiconductor nanostructures: A new carrier for nanosensors. <i>Pure and Applied Chemistry</i> , 2010, 82, 2185-2198.	1.9	88
83	Self-Assembled Nanofilm of Monodisperse Cobalt Hydroxide Hexagonal Platelets: Topotactic Conversion into Oxide and Resistive Switching. <i>Chemistry of Materials</i> , 2010, 22, 6341-6346.	6.7	42
84	Synthesis of a Solid Solution Series of Layered Eu _x Gd _{1-x} (OH) _{2.5} Cl _{0.5} ·0.9H ₂ O and Its Transformation into (Eu _x Gd _{1-x}) ₂ O ₃ with Enhanced Photoluminescence Properties. <i>Inorganic Chemistry</i> , 2010, 49, 2960-2968.	4.0	78
85	Oriented Monolayer Film of Gd ₂ O ₃ :0.05%Eu Crystallites: Quasi-Topotactic Transformation of the Hydroxide Film and Drastic Enhancement of Photoluminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3846-3849.	13.8	128
86	Template-assisted synthesis of mesoporous LiAlO ₂ hollow spheres with high surface area. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 41-46.	4.4	6
87	Hydrothermal synthesis of single crystal mesoporous LiAlO ₂ nanobelts. <i>Materials Letters</i> , 2008, 62, 2039-2042.	2.6	13
88	Oriented films of layered rare-earth hydroxide crystallites self-assembled at the hexane/water interface. <i>Chemical Communications</i> , 2008, , 4897.	4.1	75
89	New composite polymer electrolyte comprising mesoporous lithium aluminate nanosheets and PEO/LiClO ₄ . <i>Journal of Power Sources</i> , 2007, 166, 226-232.	7.8	110
90	Hydrothermal routes to various controllable morphologies of nanostructural lithium aluminate. <i>Materials Research Bulletin</i> , 2007, 42, 1407-1413.	5.2	6

#	ARTICLE	IF	CITATIONS
91	Hydrothermal synthesis of high surface area mesoporous lithium aluminate. Materials Letters, 2007, 61, 570-573.	2.6	14