

Yichuan Ling

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11217974/publications.pdf>

Version: 2024-02-01

51
papers

14,210
citations

57631

44
h-index

174990

52
g-index

53
all docs

53
docs citations

53
times ranked

17432
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppressed phase separation of mixed-halide perovskites confined in endotaxial matrices. <i>Nature Communications</i> , 2019, 10, 695.	5.8	156
2	Light Emitting Diodes Based on Inorganic Composite Halide Perovskites. <i>Advanced Functional Materials</i> , 2019, 29, 1807345.	7.8	65
3	Highly Efficient Spectrally Stable Red Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , 2018, 30, e1707093.	11.1	184
4	Light-Emitting Diodes: Highly Efficient Spectrally Stable Red Perovskite Light-Emitting Diodes (Adv.) <i>Tj ETQq0 0 0 rgBT₁/Overlock 10 Tf 5</i>	11.1	7
5	Morphology and Doping Engineering of Sn-Doped Hematite Nanowire Photoanodes. <i>Nano Letters</i> , 2017, 17, 2490-2495.	4.5	204
6	Composite Perovskites of Cesium Lead Bromide for Optimized Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3266-3271.	2.1	108
7	Dynamic Electronic Junctions in Organic-Inorganic Hybrid Perovskites. <i>Nano Letters</i> , 2017, 17, 4831-4839.	4.5	26
8	Bright Light-Emitting Diodes Based on Organometal Halide Perovskite Nanoplatelets. <i>Advanced Materials</i> , 2016, 28, 305-311.	11.1	463
9	Acid Treatment Enables Suppression of Electron-Hole Recombination in Hematite for Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3403-3407.	7.2	132
10	A Solution-Processed Organometal Halide Perovskite Hole Transport Layer for Highly Efficient Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2016, 2, 1600165.	2.6	25
11	Acid Treatment Enables Suppression of Electron-Hole Recombination in Hematite for Photoelectrochemical Water Splitting. <i>Angewandte Chemie</i> , 2016, 128, 3464-3468.	1.6	27
12	Enhanced Optical and Electrical Properties of Polymer-Assisted All-Inorganic Perovskites for Light-Emitting Diodes. <i>Advanced Materials</i> , 2016, 28, 8983-8989.	11.1	326
13	Role of Hydrogen in Defining the n-Type Character of BiVO ₄ Photoanodes. <i>Chemistry of Materials</i> , 2016, 28, 5761-5771.	3.2	104
14	An electrochemical method to enhance the performance of metal oxides for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2849-2855.	5.2	114
15	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. <i>ACS Nano</i> , 2016, 10, 1795-1801.	7.3	261
16	Oxygen deficient $\text{I}\pm\text{-Fe}_{2}\text{O}_{3}$ photoelectrodes: a balance between enhanced electrical properties and trap-mediated losses. <i>Chemical Science</i> , 2015, 6, 4009-4016.	3.7	92
17	Photohole Induced Corrosion of Titanium Dioxide: Mechanism and Solutions. <i>Nano Letters</i> , 2015, 15, 7051-7057.	4.5	57
18	Investigation of hematite nanorod-nanoflake morphological transformation and the application of ultrathin nanoflakes for electrochemical devices. <i>Nano Energy</i> , 2015, 12, 169-177.	8.2	83

#	ARTICLE	IF	CITATIONS
19	Solidâ€State Supercapacitor Based on Activated Carbon Cloths Exhibits Excellent Rate Capability. <i>Advanced Materials</i> , 2014, 26, 2676-2682.	11.1	660
20	Chemically modified nanostructures for photoelectrochemical water splitting. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014, 19, 35-51.	5.6	156
21	The Effect of the Hydrogenation Temperature on TiO ₂ Nanostructures for Photoelectrochemical Water Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 760-766.	1.0	21
22	Review of Snâ€Doped Hematite Nanostructures for Photoelectrochemical Water Splitting. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1113-1121.	1.2	99
23	Surface Passivation of TiO ₂ Nanowires Using a Facile Precursor-Treatment Approach for Photoelectrochemical Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15086-15094.	1.5	80
24	A New Benchmark Capacitance for Supercapacitor Anodes by Mixedâ€Valence Sulfurâ€Doped V ₆ O ₁₃ . <i>Advanced Materials</i> , 2014, 26, 5869-5875.	11.1	305
25	Lowâ€Temperature Activation of Hematite Nanowires for Photoelectrochemical Water Oxidation. <i>ChemSusChem</i> , 2014, 7, 848-853.	3.6	67
26	Photoenhanced Electrochemical Interaction between <i>Shewanella</i> and a Hematite Nanowire Photoanode. <i>Nano Letters</i> , 2014, 14, 3688-3693.	4.5	121
27	Improving the Cycling Stability of Metalâ€Nitride Supercapacitor Electrodes with a Thin Carbon Shell. <i>Advanced Energy Materials</i> , 2014, 4, 1300994.	10.2	217
28	High energy density asymmetric supercapacitors with a nickel oxide nanoflake cathode and a 3D reduced graphene oxide anode. <i>Nanoscale</i> , 2013, 5, 7984.	2.8	253
29	Au Nanostructure-Decorated TiO ₂ Nanowires Exhibiting Photoactivity Across Entire UV-visible Region for Photoelectrochemical Water Splitting. <i>Nano Letters</i> , 2013, 13, 3817-3823.	4.5	812
30	Growth of gallium nitride and indium nitride nanowires on conductive and flexible carbon cloth substrates. <i>Nanoscale</i> , 2013, 5, 1820.	2.8	21
31	Chemically modified titanium oxide nanostructures for dye-sensitized solar cells. <i>Nano Energy</i> , 2013, 2, 1373-1382.	8.2	21
32	A mechanistic study into the catalytic effect of Ni(OH) ₂ on hematite for photoelectrochemical water oxidation. <i>Nanoscale</i> , 2013, 5, 4129.	2.8	169
33	Probing the Nature of Bandgap States in Hydrogen-Treated TiO ₂ Nanowires. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26821-26830.	1.5	54
34	Computational and Photoelectrochemical Study of Hydrogenated Bismuth Vanadate. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10957-10964.	1.5	222
35	Hâ€TiO ₂ @MnO ₂ //Hâ€TiO ₂ @C Coreâ€Shell Nanowires for High Performance and Flexible Asymmetric Supercapacitors. <i>Advanced Materials</i> , 2013, 25, 267-272.	11.1	894
36	Free-standing nickel oxide nanoflake arrays: synthesis and application for highly sensitive non-enzymatic glucose sensors. <i>Nanoscale</i> , 2012, 4, 3123.	2.8	228

#	ARTICLE	IF	CITATIONS
37	LiCl/PVA Gel Electrolyte Stabilizes Vanadium Oxide Nanowire Electrodes for Pseudocapacitors. ACS Nano, 2012, 6, 10296-10302.	7.3	310
38	Effects of Hydrogen Treatment and Air Annealing on Ultrafast Charge Carrier Dynamics in ZnO Nanowires Under in Situ Photoelectrochemical Conditions. Journal of Physical Chemistry C, 2012, 116, 17360-17368.	1.5	68
39	Stabilized TiN Nanowire Arrays for High-Performance and Flexible Supercapacitors. Nano Letters, 2012, 12, 5376-5381.	4.5	627
40	Photoelectrochemical study of oxygen deficient TiO ₂ nanowire arrays with CdS quantum dot sensitization. Nanoscale, 2012, 4, 1463.	2.8	110
41	Oxygen-deficient metal oxide nanostructures for photoelectrochemical water oxidation and other applications. Nanoscale, 2012, 4, 6682.	2.8	345
42	Hydrogen-treated WO ₃ nanoflakes show enhanced photostability. Energy and Environmental Science, 2012, 5, 6180.	15.6	666
43	Solar driven hydrogen releasing from urea and human urine. Energy and Environmental Science, 2012, 5, 8215.	15.6	160
44	Controlled Synthesis of AlN/GaN Multiple Quantum Well Nanowire Structures and Their Optical Properties. Nano Letters, 2012, 12, 3344-3350.	4.5	51
45	Nanostructured hematite: synthesis, characterization, charge carrier dynamics, and photoelectrochemical properties. Energy and Environmental Science, 2012, 5, 6682.	15.6	492
46	The Influence of Oxygen Content on the Thermal Activation of Hematite Nanowires. Angewandte Chemie - International Edition, 2012, 51, 4074-4079.	7.2	349
47	Sn-Doped Hematite Nanostructures for Photoelectrochemical Water Splitting. Nano Letters, 2011, 11, 2119-2125.	4.5	994
48	Hydrogen-Treated TiO ₂ Nanowire Arrays for Photoelectrochemical Water Splitting. Nano Letters, 2011, 11, 3026-3033.	4.5	2,344
49	Facile Synthesis of Highly Photoactive $\text{I}^{\pm}\text{-Fe}_{2}\text{O}_{3}$ -Based Films for Water Oxidation. Nano Letters, 2011, 11, 3503-3509.	4.5	623
50	Enhanced capacitance in partially exfoliated multi-walled carbon nanotubes. Journal of Power Sources, 2011, 196, 5209-5214.	4.0	102
51	Synthesis of urchin-like CdWO ₄ microspheres via a facile template free hydrothermal method. CrystEngComm, 2010, 12, 3019.	1.3	26