

Lina Kong

List of Publications by Year in descending order

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72
papers

2,655
citations

186265

28
h-index

189892

50
g-index

72
all docs

72
docs citations

72
times ranked

3738
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution Annealing Induces Surface Chemical Reconstruction for High-Efficiency PbS Quantum Dot Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14274-14283.	8.0	13
2	Plasmonic Optoelectronic Memristor Enabling Fully Light-Modulated Synaptic Plasticity for Neuromorphic Vision. <i>Advanced Science</i> , 2022, 9, e2104632.	11.2	81
3	Promoting Photoelectrochemical Water Oxidation on Ti-Doped Fe ₂ O ₃ Nanowires Photoanode by O ₂ Plasma Treatment. <i>Catalysts</i> , 2021, 11, 82.	3.5	8
4	Tunable photocurrent switching behavior of a ZnO/Cu ₂ O heterojunction photodetector to realize bipolar binary photoresponse. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6885-6893.	5.5	7
5	Control of the Cu ₂ O crystal orientation and the application of a ZnO/Cu ₂ O self-powered photodetector in visible-light-encrypted communication. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9203-9211.	5.5	11
6	Au nanoparticle-controlled formation of metallic and oxidized Pt nanoparticles on graphitic carbon nitride nanosheets for H ₂ evolution. <i>Dalton Transactions</i> , 2021, 50, 9529-9539.	3.3	5
7	Photothermal synergic enhancement of direct Z-scheme behavior of Bi ₄ TaO ₈ Cl/W ₁₈ O ₄₉ heterostructure for CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118401.	20.2	115
8	Theoretical exploration about nitro-substituted derivatives of pyrimidine as high-energy-density materials. <i>Journal of Molecular Modeling</i> , 2020, 26, 5.	1.8	8
9	Updatable colorful display of vector hologram in azo-poly(9-vinylcarbazole)-TiO ₂ nanocomposite films. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48537.	2.6	2
10	Thermal coupled photoconductivity as a tool to understand the photothermal catalytic reduction of CO ₂ . <i>Chinese Journal of Catalysis</i> , 2020, 41, 154-160.	14.0	59
11	Anatase/Bronze TiO ₂ Heterojunction: Enhanced Photocatalysis and Prospect in Photothermal Catalysis. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 992-999.	2.6	26
12	W-Doped TiO ₂ for photothermocatalytic CO ₂ reduction. <i>Nanoscale</i> , 2020, 12, 17245-17252.	5.6	37
13	A direct oriented-attachment growth of lead-chalcogenide mid-infrared nanocrystals film on amorphous substrates. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13205-13212.	5.5	9
14	Elucidation of the electron energy structure of TiO ₂ (B) and anatase photocatalysts through analysis of electron trap density. <i>RSC Advances</i> , 2020, 10, 18496-18501.	3.6	11
15	Solution plasma boosts facet-dependent photoactivity of decahedral BiVO ₄ . <i>Chemical Engineering Journal</i> , 2020, 397, 125381.	12.7	28
16	Enhanced Solar Photothermal Catalysis over Solution Plasma Activated TiO ₂ . <i>Advanced Science</i> , 2020, 7, 2000204.	11.2	89
17	Spray-processed nanoporous BiVO ₄ photoanodes with high charge separation efficiency for oxygen evolution. <i>APL Materials</i> , 2020, 8, .	5.1	6
18	Revisiting Pt/TiO ₂ photocatalysts for thermally assisted photocatalytic reduction of CO ₂ . <i>Nanoscale</i> , 2020, 12, 7000-7010.	5.6	73

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19	Quantum Dot LEDs: Over 30% External Quantum Efficiency Light-Emitting Diodes by Engineering Quantum Dot-Assisted Energy Level Match for Hole Transport Layer (Adv. Funct. Mater. 33/2019). Advanced Functional Materials, 2019, 29, 1970226.	14.9	7
20	Pressure-enhanced electronic coupling of highly passivated quantum dot films to improve photovoltaic performance. Applied Physics Letters, 2019, 115, .	3.3	5
21	Growth of MoS ₂ nanoflakes and the photoelectric response properties of MoS ₂ /TiO ₂ NRs compositions. Journal of Materials Science: Materials in Electronics, 2019, 30, 21465-21476.	2.2	4
22	Over 30% External Quantum Efficiency Light-Emitting Diodes by Engineering Quantum Dot-Assisted Energy Level Match for Hole Transport Layer. Advanced Functional Materials, 2019, 29, 1808377.	14.9	240
23	Defect Passivation of Low-Temperature Processed ZnO Electron Transport Layer with Polyethylenimine for PbS Quantum Dot Photovoltaics. ACS Applied Energy Materials, 2019, 2, 1695-1701.	5.1	17
24	Luminescent perovskite nanocrystal-epoxy resin composite with high stability against water and air. Journal of Alloys and Compounds, 2019, 789, 209-214.	5.5	17
25	New Insight into the Role of Electron Transfer to O ₂ in Photocatalytic Oxidations of Acetone over TiO ₂ and the Effect of Au Cocatalyst. Journal of Physical Chemistry C, 2019, 123, 30958-30971.	3.1	16
26	Revisiting cocatalyst/TiO ₂ photocatalyst in blue light photothermal catalysis. Catalysis Today, 2019, 335, 286-293.	4.4	16
27	TiO ₂ -x/CoO _x photocatalyst sparkles in photothermocatalytic reduction of CO ₂ with H ₂ O steam. Applied Catalysis B: Environmental, 2019, 243, 760-770.	20.2	132
28	Control over energy level match in Keggin polyoxometallate-TiO ₂ microspheres for multielectron photocatalytic reactions. Applied Catalysis B: Environmental, 2018, 234, 79-89.	20.2	46
29	Global Control of CH ₃ NH ₃ PbI ₃ Formation with Multifunctional Ionic Liquid for Perovskite Hybrid Photovoltaics. Journal of Physical Chemistry C, 2018, 122, 10699-10705.	3.1	26
30	Fluorescent Holographic Fringes with a Surface Relief Structure Based on Merocyanine Aggregation Driven by Blue-violet Laser. Scientific Reports, 2018, 8, 3818.	3.3	10
31	Memory Devices: Photocatalytic Reduction of Graphene Oxide-TiO ₂ Nanocomposites for Improving Resistive-Switching Memory Behaviors (Small 29/2018). Small, 2018, 14, 1870136.	10.0	4
32	Photocatalytic Reduction of Graphene Oxide-TiO ₂ Nanocomposites for Improving Resistive-Switching Memory Behaviors. Small, 2018, 14, e1801325.	10.0	58
33	Difunctional bacteriophage conjugated with photosensitizers for <i>Candida albicans</i> -targeting photodynamic inactivation. International Journal of Nanomedicine, 2018, Volume 13, 2199-2216.	6.7	25
34	Ionic Liquid-Assisted Improvements in the Thermal Stability of CH ₃ NH ₃ PbI ₃ Perovskite Photovoltaics. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800130.	2.4	27
35	Interface State-Induced Negative Differential Resistance Observed in Hybrid Perovskite Resistive Switching Memory. ACS Applied Materials & Interfaces, 2018, 10, 21755-21763.	8.0	74
36	Element substitution of kesterite Cu ₂ ZnSnS ₄ for efficient counter electrode of dye-sensitized solar cells. Scientific Reports, 2018, 8, 8714.	3.3	24

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37	Interspace modification of titania-nanorod arrays for efficient mesoscopic perovskite solar cells. <i>Applied Surface Science</i> , 2017, 402, 86-91.	6.1	12
38	Hybrid Cu _x O@TiO ₂ porous hollow nanospheres: preparation, characterization and photocatalytic properties. <i>RSC Advances</i> , 2017, 7, 31619-31627.	3.6	8
39	Fabrication of efficient PbS colloidal quantum dot solar cell with low temperature sputter-deposited ZnO electron transport layer. <i>Solar Energy Materials and Solar Cells</i> , 2017, 169, 264-269.	6.2	29
40	The W@WO ₃ ohmic contact induces a high-efficiency photooxidation performance. <i>Dalton Transactions</i> , 2017, 46, 1487-1494.	3.3	18
41	Vertical Bi ₂ Se ₃ flake array as a Pt-free counter electrode for dye-sensitized solar cells. <i>RSC Advances</i> , 2017, 7, 51958-51964.	3.6	4
42	Surface oxygen vacancies on WO ₃ contributed to enhanced photothermo-synergistic effect. <i>Applied Surface Science</i> , 2017, 391, 654-661.	6.1	85
43	Synergistic effect of surface self-doping and Fe species-grafting for enhanced photocatalytic activity of TiO ₂ under visible-light. <i>Applied Surface Science</i> , 2017, 396, 26-35.	6.1	28
44	Increased open-circuit voltage of ZnO nanowire/PbS quantum dot bulk heterojunction solar cells with solution-deposited Mg(OH) ₂ interlayer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 745-748.	2.4	19
45	Thermal Evaporation of Sb ₂ Se ₃ as Novel Counter Electrode for Dye-Sensitized Solar Cells. <i>ChemistrySelect</i> , 2016, 1, 1824-1831.	1.5	6
46	Blu-ray-sensitive localized surface plasmon resonance for high-density optical memory. <i>Scientific Reports</i> , 2016, 6, 36701.	3.3	22
47	Influence of a solution-deposited rutile layer on the morphology of TiO ₂ nanorod arrays and the performance of nanorod-based dye-sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 10450-10455.	3.6	10
48	Ultrasonic spray pyrolysis assembly of a TiO ₂ @WO ₃ @Pt multi-heterojunction microsphere photocatalyst using highly crystalline WO ₃ nanosheets: less is better. <i>New Journal of Chemistry</i> , 2016, 40, 3225-3232.	2.8	8
49	Efficiency enhanced rutile TiO ₂ nanowire solar cells based on an Sb ₂ S ₃ absorber and a CuI hole conductor. <i>New Journal of Chemistry</i> , 2015, 39, 7243-7250.	2.8	7
50	Polarization-Controlled Bicolor Recording Enhances Holographic Memory in Ag/TiO ₂ Nanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18559-18566.	3.1	17
51	Layer-by-Layer Assembly of Stable Aqueous Quantum Dots for Luminescent Planar Plate. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14770-14777.	8.0	12
52	Correlation between band alignment and enhanced photocatalysis: a case study with anatase/TiO ₂ (B) nanotube heterojunction. <i>Dalton Transactions</i> , 2015, 44, 13331-13339.	3.3	29
53	Genetic and Epigenetic Changes in Somatic Hybrid Introgression Lines Between Wheat and Tall Wheatgrass. <i>Genetics</i> , 2015, 199, 1035-1045.	2.9	33
54	Simple Ethanol Impregnation Treatment Can Enhance Photocatalytic Activity of TiO ₂ Nanoparticles under Visible-Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7752-7758.	8.0	78

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55	Bilayer TiO ₂ photoanode consisting of a nanowire nanoparticle bottom layer and a spherical voids scattering layer for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2015, 39, 4845-4851.	2.8	23
56	Promotion of multi-electron transfer for enhanced photocatalysis: A review focused on oxygen reduction reaction. <i>Applied Surface Science</i> , 2015, 358, 28-45.	6.1	115
57	Vacuum heat treated titanate nanotubes for visible-light photocatalysis. <i>New Journal of Chemistry</i> , 2015, 39, 1281-1286.	2.8	9
58	Characterization of high molecular weight glutenin subunit genes from the Ns genome of <i>Psathyrostachys juncea</i> . <i>Development Genes and Evolution</i> , 2014, 224, 189-196.	0.9	6
59	Coexistence of an anatase/TiO ₂ (B) heterojunction and an exposed (001) facet in TiO ₂ nanoribbon photocatalysts synthesized via a fluorine-free route and topotactic transformation. <i>Nanoscale</i> , 2014, 6, 5329.	5.6	46
60	Enhanced electrochromic properties of a TiO ₂ nanowire array via decoration with anatase nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7891.	5.5	47
61	Induced and Constitutive DNA Methylation in a Salinity-Tolerant Wheat Introgression Line. <i>Plant and Cell Physiology</i> , 2014, 55, 1354-1365.	3.1	111
62	Rutile TiO ₂ nanowire array infiltrated with anatase nanoparticles as photoanode for dye-sensitized solar cells: enhanced cell performance via the rutile anatase heterojunction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3309.	10.3	49
63	Color tuning of (K ^{1-x} ,Na ^x)SrPO ₄ :0.005Eu ²⁺ , γTb ³⁺ blue-emitting phosphors via crystal field modulation and energy transfer. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4570.	5.5	84
64	WRKY Transcription Factors in Wheat and Their Induction by Biotic and Abiotic Stress. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 1053-1067.	1.8	73
65	Waveband-dependent photochemical processing of graphene oxide in fabricating reduced graphene oxide film and graphene oxide Ag nanoparticles film. <i>RSC Advances</i> , 2013, 4, 2404-2408.	3.6	25
66	Growth of single-crystalline rutile TiO ₂ nanowire array on titanate nanosheet film for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 6389.	6.7	62
67	Thermally Stable Pyrochlore Y ₂ Ti ₂ O ₇ :Eu ³⁺ Orange Red Emitting Phosphors. <i>Journal of the American Ceramic Society</i> , 2012, 95, 658-662.	3.8	36
68	Influence of Flux on Morphology and Luminescence Properties of Phosphors: A Case Study on Y _{1.55} Ti ₂ O ₇ :0.45Sr ²⁺ . <i>Journal of the American Ceramic Society</i> , 2012, 95, 1447-1453.	3.8	36
69	Hydrothermal Growth of Layered Titanate Nanosheet Arrays on Titanium Foil and Their Topotactic Transformation to Heterostructured TiO ₂ Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22276-22285.	3.1	111
70	Heteroepitaxial Growth and Spatially Resolved Cathodoluminescence of ZnO/MgZnO Coaxial Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16148-16152.	3.1	31
71	Formation of holographic fringes on photochromic Ag/TiO ₂ nanocomposite films. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	41
72	Microphotoluminescence investigation on single ZnO microrods with different morphologies. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	2