

Yueming Sun

List of Publications by Year in descending order

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87
papers

2,747
citations

147801

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90
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90
times ranked

4033
citing authors

#	ARTICLE	IF	CITATIONS
1	Ceramic nanofibers fabricated by electrospinning and their applications in catalysis, environmental science, and energy technology. <i>Polymers for Advanced Technologies</i> , 2011, 22, 326-338.	3.2	307
2	Ternary Hybrid Material for High-Performance Lithium-Sulfur Battery. <i>Journal of the American Chemical Society</i> , 2015, 137, 12946-12953.	13.7	253
3	Versatile Graphene Quantum Dots with Tunable Nitrogen Doping. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 597-604.	2.3	124
4	Self-Host Blue Dendrimer Comprised of Thermally Activated Delayed Fluorescence Core and Bipolar Dendrons for Efficient Solution-Processable Nondoped Electroluminescence. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7339-7346.	8.0	86
5	Coupling of Hierarchical Al ₂ O ₃ /TiO ₂ Nanofibers into 3D Photothermal Aerogels Toward Simultaneous Water Evaporation and Purification. <i>Advanced Fiber Materials</i> , 2020, 2, 93-104.	16.1	81
6	Graphene-wrapped TiO ₂ nanofibers with effective interfacial coupling as ultrafast electron transfer bridges in novel photoanodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1060-1067.	10.3	75
7	Synthesis of MoS ₂ /SrTiO ₃ composite materials for enhanced photocatalytic activity under UV irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 706-712.	10.3	66
8	Self-host thermally activated delayed fluorescent dendrimers with flexible chains: an effective strategy for non-doped electroluminescent devices based on solution processing. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8810-8816.	5.5	66
9	Highly Efficient All-Solution-Processed Fluorescent Organic Light-Emitting Diodes Based on a Novel Self-Host Thermally Activated Delayed Fluorescence Emitter. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21900-21908.	8.0	61
10	Bipolar Host with Multielectron Transport Benzimidazole Units for Low Operating Voltage and High Power Efficiency Solution-Processed Phosphorescent OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7303-7314.	8.0	60
11	Star-shaped dendritic hosts based on carbazole moieties for highly efficient blue phosphorescent OLEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 12016.	6.7	56
12	Nanocables composed of anatase nanofibers wrapped in UV-light reduced graphene oxide and their enhancement of photoinduced electron transfer in photoanodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 18174.	6.7	53
13	Multidimensional and Binary Micro CuCo ₂ O ₄ /Nano NiMoO ₄ for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1687-1694.	6.7	52
14	Direct electrochemistry of hemoglobin on graphene/Fe ₃ O ₄ nanocomposite-modified glass carbon electrode and its sensitive detection for hydrogen peroxide. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 881-887.	2.5	51
15	High Power Efficiency Solution-Processed Blue Phosphorescent Organic Light-Emitting Diodes Using Exciplex-Type Host with a Turn-on Voltage Approaching the Theoretical Limit. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25129-25138.	8.0	46
16	Thermally activated delayed fluorescence dendrimers with exciplex-forming dendrons for low-voltage-driving and power-efficient solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 43-49.	5.5	45
17	Design of efficient thermally activated delayed fluorescence blue host for high performance solution-processed hybrid white organic light emitting diodes. <i>Chemical Science</i> , 2019, 10, 3054-3064.	7.4	45
18	Achieving 20% External Quantum Efficiency for Fully Solution-Processed Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence Dendrimers with Flexible Chains. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16737-16748.	8.0	45

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19	Synthesis of MoS ₂ /SrZrO ₃ heterostructures and their photocatalytic H ₂ evolution under UV irradiation. RSC Advances, 2015, 5, 734-739.	3.6	41
20	Self-host homoleptic green iridium dendrimers based on diphenylamine dendrons for highly efficient single-layer PhOLEDs. Journal of Materials Chemistry C, 2014, 2, 1104-1115.	5.5	40
21	Enhanced Electron Affinity and Exciton Confinement in Exciplex-Type Host: Power Efficient Solution-Processed Blue Phosphorescent OLEDs with Low Turn-on Voltage. ACS Applied Materials & Interfaces, 2016, 8, 2010-2016.	8.0	38
22	Design of Blue Thermally Activated Delayed Fluorescent Emitter with Efficient Exciton Gathering Property for High-Performance Fully Solution-Processed Hybrid White OLEDs. ACS Applied Materials & Interfaces, 2020, 12, 1190-1200.	8.0	38
23	Gradient Vertical Channels within Aerogels Based on N-Doped Graphene Meshes toward Efficient and Salt-Resistant Solar Evaporation. ACS Sustainable Chemistry and Engineering, 2020, 8, 4955-4965.	6.7	36
24	Hierarchical nanostructures of K-birnessite nanoplates on anatase nanofibers and their application for decoloration of dye solution. Journal of Materials Chemistry, 2010, 20, 3157.	6.7	35
25	Solution-processed efficient deep-blue fluorescent organic light-emitting diodes based on novel 9,10-diphenyl-anthracene derivatives. RSC Advances, 2015, 5, 29708-29717.	3.6	35
26	Electrochemical detection of L-cysteine using a glassy carbon electrode modified with a two-dimensional composite prepared from platinum and Fe ₃ O ₄ nanoparticles on reduced graphene oxide. Mikrochimica Acta, 2016, 183, 3221-3228.	5.0	35
27	Unusual Hollow Al ₂ O ₃ Nanofibers with Loofah-Like Skins: Intriguing Catalyst Supports for Thermal Stabilization of Pt Nanocrystals. ACS Applied Materials & Interfaces, 2017, 9, 21258-21266.	8.0	35
28	Bicolour electroluminescence of 2-(carbazol-9-yl)anthraquinone based on a solution process. Journal of Materials Chemistry C, 2017, 5, 12031-12034.	5.5	34
29	Strategy for the Realization of Highly Efficient Solution-Processed All-Fluorescence White OLEDs Encapsulated Thermally Activated Delayed Fluorescent Yellow Emitters. ACS Applied Materials & Interfaces, 2018, 10, 37335-37344.	8.0	33
30	Molecular core-shell structure design: Facilitating delayed fluorescence in aggregates toward highly efficient solution-processed OLEDs. Aggregate, 2022, 3, .	9.9	33
31	Behavior of a Layered Double Hydroxide under High Current Density Charge and Discharge Cycles. Journal of Physical Chemistry C, 2009, 113, 7448-7455.	3.1	32
32	Gradient-aligned Au/graphene meshes with confined heat at multiple levels for solar evaporation and anti-gravity catalytic conversion. Journal of Materials Chemistry A, 2020, 8, 16570-16581.	10.3	32
33	Surface-Functionalized Graphite as Long Cycle Life Anode Materials for Lithium-Ion Batteries. ChemElectroChem, 2020, 7, 1465-1472.	3.4	32
34	A high triplet energy small molecule based thermally cross-linkable hole-transporting material for solution-processed multilayer blue electrophosphorescent devices. Journal of Materials Chemistry C, 2015, 3, 243-246.	5.5	31
35	A biomass-derived, all-day-round solar evaporation platform for harvesting clean water from microplastic pollution. Journal of Materials Chemistry A, 2021, 9, 11013-11024.	10.3	31
36	Spatial separation of a TADF sensitizer and fluorescent emitter with a core-dendron system to block the energy loss in deep blue organic light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 11005-11013.	5.5	30

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37	Novel aggregation-induced emission and thermally activated delayed fluorescence materials based on thianthrene-9,9- $\text{C}_{10}\text{H}_6\text{O}_2$ -tetraoxide derivatives. <i>RSC Advances</i> , 2016, 6, 22137-22143.	3.6	28
38	The Intrinsic Thermodynamic Difficulty and a Step-Guided Mechanism for the Epitaxial Growth of Uniform Multilayer MoS_2 with Controllable Thickness. <i>Advanced Materials</i> , 2022, 34, e2201402.	21.0	27
39	New versatile Pt supports composed of graphene sheets decorated by Fe_2O_3 nanorods and N-dopants with high activity based on improved metal/support interactions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 125-130.	10.3	25
40	A New Insight of the Photothermal Effect on the Highly Efficient Visible-Light-Driven Photocatalytic Performance of Novel-Designed TiO_2 Rambutan-Like Microspheres Decorated by Au Nanorods. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 140-149.	2.3	25
41	N-doped graphene quantum dots-functionalized titanium dioxide nanofibers and their highly efficient photocurrent response. <i>Journal of Materials Research</i> , 2014, 29, 1408-1416.	2.6	21
42	Growth of single-crystalline rutile TiO_2 nanorods on fluorine-doped tin oxide glass for organic-inorganic hybrid solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1657-1663.	2.2	19
43	A bipolar homoleptic iridium dendrimer composed of diphenylphosphoryl and diphenylamine dendrons for highly efficient non-doped single-layer green PhOLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 981-984.	5.5	18
44	Luminescent properties and energy transfer of color-tunable $\text{Sr}_3\text{Y}_2(\text{SiO}_3)_6:\text{Ce}^{3+}, \text{Tb}^{3+}$ phosphors. <i>Journal of Rare Earths</i> , 2014, 32, 933-937.	4.8	17
45	Thermally cross-linkable thermally activated delayed fluorescent materials for efficient blue solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8973-8979.	5.5	17
46	Succinimide-modified graphite as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 356, 136858.	5.2	17
47	Novel photocatalyst gold nanoparticles with dumbbell-like structure and their superior photocatalytic performance for ammonia borane hydrolysis. <i>Nanotechnology</i> , 2018, 29, 165707.	2.6	16
48	Chitosan-silica nanoparticles catalyst ($\text{M}@\text{CS-SiO}_2$) for the degradation of 1,1-dimethylhydrazine. <i>Research on Chemical Intermediates</i> , 2019, 45, 1721-1735.	2.7	16
49	Exciplex Formation and Electromer Blocking for Highly Efficient Blue Thermally Activated Delayed Fluorescence OLEDs with All-Solution-Processed Organic Layers. <i>Chemistry - A European Journal</i> , 2020, 26, 3090-3102.	3.3	16
50	Manipulation of the sterically hindering effect to realize AIE and TADF for high-performing nondoped solution-processed OLEDs with extremely low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11850-11859.	5.5	16
51	Systematically tuning the E_{ST} and charge balance property of bipolar hosts for low operating voltage and high power efficiency solution-processed electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5004-5016.	5.5	15
52	Constructing a Novel Dendron for a Self-Host Blue Emitter with Thermally Activated Delayed Fluorescence: Solution-Processed Nondoped Organic Light-Emitting Diodes with Bipolar Charge Transfer and Stable Color Purity. <i>Chemistry - an Asian Journal</i> , 2017, 12, 216-223.	3.3	15
53	Quasi-static particle formation of poly(acrylamide/methacrylic acid) in ethanol by using V-65 as initiator. <i>Polymer Chemistry</i> , 2010, 1, 899.	3.9	12
54	Selective Etching of N-Doped Graphene Meshes as Metal-Free Catalyst with Tunable Kinetics, High Activity and the Origin of New Catalytic Behaviors. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700395.	2.3	12

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55	Tuning Electron Transport Direction through the Deposition Sequence of MoS ₂ and WS ₂ on Fluorine-Doped Tin Oxide for Improved Electrocatalytic Reduction Efficiency. ChemElectroChem, 2019, 6, 2737-2740.	3.4	12
56	Hydrogen bonding of single acetic acid with water molecules in dilute aqueous solutions. Science in China Series B: Chemistry, 2009, 52, 2219-2225.	0.8	11
57	Theoretical and experimental investigations on mono-substituted and multi-substituted functional polyhedral oligomeric silsesquioxanes. RSC Advances, 2015, 5, 80339-80345.	3.6	11
58	Light-driven removal of rhodamine B over SrTiO ₃ modified Bi ₂ WO ₆ composites. RSC Advances, 2016, 6, 83471-83481.	3.6	11
59	Synthesis and characterization of novel two-component conjugated polythiophenes with 3-octyl and 3-isooctylthiophene side chains. Journal of Applied Polymer Science, 2007, 104, 1169-1175.	2.6	10
60	Au nano dumbbells catalyzed the cutting of graphene oxide sheets upon plasmon-enhanced reduction. RSC Advances, 2016, 6, 46218-46225.	3.6	10
61	A novel cyclometalated Ir(III) complex based luminescence intensity and lifetime sensor for Cu ²⁺ . RSC Advances, 2016, 6, 16482-16488.	3.6	9
62	Core-shell-structured Li ₃ V ₂ (PO ₄) ₃ LiVOPO ₄ nanocomposites cathode for high-rate and long-life lithium-ion batteries. RSC Advances, 2017, 7, 3101-3107.	3.6	9
63	Graphene sheets manipulated the thermal-stability of ultrasmall Pt nanoparticles supported on porous Fe ₂ O ₃ nanocrystals against sintering. RSC Advances, 2017, 7, 16379-16386.	3.6	9
64	One stone two birds: a sinter-resistant TiO ₂ nanofiber-based unbroken mat enables PM capture and <i>in situ</i> elimination. Nanoscale, 2021, 13, 20564-20575.	5.6	9
65	Structural and solvent effects on the spectroscopic properties of 1,8-naphthalimide derivatives: A density functional study. International Journal of Quantum Chemistry, 2011, 111, 2234-2241.	2.0	7
66	Constructing host-guest structures to optimize the efficiency of non-doped solution-processed OLEDs. Journal of Materials Chemistry C, 2021, 9, 1221-1227.	5.5	7
67	A periphery hindered strategy with a dopant and sensitizer for solution-processed red TSF-OLEDs with high color purity. Journal of Materials Chemistry C, 2022, 10, 5230-5239.	5.5	7
68	Synthesis, characterization and luminescence properties of SrLa ₂ (MoO ₄) ₄ :Eu phosphors. Journal of Sol-Gel Science and Technology, 2013, 67, 196-202.	2.4	6
69	Synthesizing nonstoichiometric Li _{3-3x} V _{2+x} (PO ₄) ₃ /C as cathode materials for high-performance lithium-ion batteries by solid state reaction. RSC Advances, 2017, 7, 32721-32726.	3.6	6
70	Surface Engineering of Defective Hematite Nanostructures Coupled by Graphene Sheets with Enhanced Photoelectrochemical Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 12750-12759.	6.7	6
71	Novel ternary exciplex system based on TCTA dendrimer with a new linking type amongst various functional donors. Journal of Materials Science: Materials in Electronics, 2022, 33, 11403-11413.	2.2	6
72	Enhanced electron affinity and charge balance property of a bipolar material: highly efficient solution-processed deep blue electrofluorescent and green electrophosphorescent devices. RSC Advances, 2015, 5, 66994-67000.	3.6	5

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73	A novel CWPO/H ₂ O ₂ /MUV synergistic treatment for the degradation of unsymmetrical dimethylhydrazine in wastewater. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 479-491.	2.2	5
74	Stimulus-Responsive Graphene with Periodical Wrinkles on Grooved Microfiber Arrays: Simulation, Programmable Shape-Shifting, and Catalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26561-26572.	8.0	5
75	Oxide Nanofibers as Catalysts Toward Energy Conversion and Environmental Protection. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 366-378.	2.6	5
76	Yolk-shell silicon/carbon composites prepared from aluminum-silicon alloy as anode materials for lithium-ion batteries. <i>Ionics</i> , 2021, 27, 1939-1948.	2.4	4
77	Bioelectrochemical response of a choline biosensor fabricated by using polyaniline. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2275-2280.	0.8	2
78	Binding of N-substituted pyrrole derivatives to HIV-1 gp41. <i>Journal of Theoretical and Computational Chemistry</i> , 2014, 13, 1450018.	1.8	2
79	A CTAB-modified S/C nanocomposite cathode for high performance Li-S batteries. <i>RSC Advances</i> , 2016, 6, 92621-92628.	3.6	2
80	Stepwise Growth of CuO via Transformation of Cu ₂ (OH) ₃ Br Intermediate in Aqueous Solution of Long-Alkyl-Chain Copper Salt. <i>Crystal Growth and Design</i> , 2020, 20, 3044-3052.	3.0	2
81	Spatial regulation of electroplex emission via dendritic molecular engineering. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	2
82	The unmediated choline sensor based on layered double hydroxides in hydrogen peroxide detection mode. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2281-2286.	0.8	1
83	Computational Characterization of Binding of Small Molecule Inhibitors to HIV-1 gp41. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1307-1311.	4.9	1
84	Bis(phosphine oxide)/triphenylamine based material for solution-processed blue electrofluorescent and green electrophosphorescent devices. <i>RSC Advances</i> , 2015, 5, 48654-48658.	3.6	1
85	High electron transfer of TiO ₂ nanorod@carbon layer supported flower-like WS ₂ nanosheets for triiodide electrocatalytic reduction. <i>New Journal of Chemistry</i> , 2021, 45, 3387-3391.	2.8	1
86	Surfactant-Free and Microporous AlOOH/Al ₂ O ₃ Nanosheets on TiO ₂ -Based Nanofibers: A Sustained-Release Dominated Topotactic Transformation. <i>ChemNanoMat</i> , 2022, 8, .	2.8	1
87	Effective Regulation of ZnO Surface Facets for Enhanced Photoluminescence Properties Assisted by Zinc Quaternary Ammonium Salts. <i>ACS Omega</i> , 2021, 6, 17455-17463.	3.5	0