

# Yueming Sun

## 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.

84  
papers

2,080  
citations

25  
h-index

43  
g-index

90  
ext. papers

2,408  
ext. citations

6.3  
avg, IF

5  
L-index

#	Paper	IF	Citations
84	A periphery hindered strategy with a dopant and sensitizer for solution-processed red TSF-OLEDs with high color purity. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5230-5239	7.1	0
83	The Intrinsic Thermodynamic Difficulty and a Step-Guided Mechanism for the Epitaxial Growth of Uniform Multilayer MoS with Controllable Thickness.. <i>Advanced Materials</i> , <b>2022</b> , e2201402	24	3
82	Stimulus-Responsive Graphene with Periodical Wrinkles on Grooved Microfiber Arrays: Simulation, Programmable Shape-Shifting, and Catalytic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 26561-26572	9.5	4
81	Oxide Nanofibers as Catalysts Toward Energy Conversion and Environmental Protection. <i>Chemical Research in Chinese Universities</i> , <b>2021</b> , 37, 366-378	2.2	1
80	Effective Regulation of ZnO Surface Facets for Enhanced Photoluminescence Properties Assisted by Zinc Quaternary Ammonium Salts. <i>ACS Omega</i> , <b>2021</b> , 6, 17455-17463	3.9	
79	A novel CWPO/HO/VUV synergistic treatment for the degradation of unsymmetrical dimethylhydrazine in wastewater. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 42, 479-491	2.6	3
78	Constructing host-guest structures to optimize the efficiency of non-doped solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 1221-1227	7.1	2
77	High electron transfer of TiO <sub>2</sub> nanorod@carbon layer supported flower-like WS <sub>2</sub> nanosheets for triiodide electrocatalytic reduction. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 3387-3391	3.6	0
76	A biomass-derived, all-day-round solar evaporation platform for harvesting clean water from microplastic pollution. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 11013-11024	13	6
75	Yolk-shell silicon/carbon composites prepared from aluminum-silicon alloy as anode materials for lithium-ion batteries. <i>Ionics</i> , <b>2021</b> , 27, 1939-1948	2.7	2
74	Stepwise Growth of CuO via Transformation of Cu <sub>2</sub> (OH) <sub>3</sub> Br Intermediate in Aqueous Solution of Long-Alkyl-Chain Copper Salt. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 3044-3052	3.5	0
73	Surface-Functionalized Graphite as Long Cycle Life Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 1465-1472	4.3	10
72	Gradient Vertical Channels within Aerogels Based on N-Doped Graphene Meshes toward Efficient and Salt-Resistant Solar Evaporation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 4955-4965	8.3	18
71	Coupling of Hierarchical Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Nanofibers into 3D Photothermal Aerogels Toward Simultaneous Water Evaporation and Purification. <i>Advanced Fiber Materials</i> , <b>2020</b> , 2, 93-104	10.9	36
70	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> , <b>2020</b> , 26, 3090-3102	4.8	8
69	Design of Blue Thermally Activated Delayed Fluorescent Emitter with Efficient Exciton Gathering Property for High-Performance Fully Solution-Processed Hybrid White OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 1190-1200	9.5	20
68	Multidimensional and Binary Micro CuCo <sub>2</sub> O <sub>4</sub> /Nano NiMoO <sub>4</sub> for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1687-1694	8.3	26

67	Gradient-aligned Au/graphene meshes with confined heat at multiple levels for solar evaporation and anti-gravity catalytic conversion. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16570-16581	13	15
66	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> , <b>2020</b> , 8, 11850-11859	7.1	11
65	Succinimide-modified graphite as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 356, 136858	6.7	5
64	Design of efficient thermally activated delayed fluorescence blue host for high performance solution-processed hybrid white organic light emitting diodes. <i>Chemical Science</i> , <b>2019</b> , 10, 3054-3064	9.4	25
63	Surface Engineering of Defective Hematite Nanostructures Coupled by Graphene Sheets with Enhanced Photoelectrochemical Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 12750-12754	8.3	14
62	Tuning Electron Transport Direction through the Deposition Sequence of MoS <sub>2</sub> and WS <sub>2</sub> on Fluorine-Doped Tin Oxide for Improved Electrocatalytic Reduction Efficiency. <i>ChemElectroChem</i> , <b>2019</b> , 6, 2737-2740	4.3	9
61	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 &amp; Interfaces</i> , <b>2019</b> , 11, 16737-16748	9.5	26
60	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. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11005-11013	7.1	21
59	Chitosan-silica nanoparticles catalyst (M@CSBiO <sub>2</sub> ) for the degradation of 1,1-dimethylhydrazine. <i>Research on Chemical Intermediates</i> , <b>2019</b> , 45, 1721-1735	2.8	9
58	Novel photocatalyst gold nanoparticles with dumbbell-like structure and their superior photocatalytic performance for ammonia borane hydrolysis. <i>Nanotechnology</i> , <b>2018</b> ,	3.4	14
57	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> , <b>2018</b> , 35, 1700395	3.1	10
56	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> , <b>2018</b> , 6, 43-49	7.1	36
55	Strategy for the Realization of Highly Efficient Solution-Processed All-Fluorescence White OLEDs-Encapsulated Thermally Activated Delayed Fluorescent Yellow Emitters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37335-37344	9.5	20
54	Core-shell-structured Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /VOPO <sub>4</sub> nanocomposites cathode for high-rate and long-life lithium-ion batteries. <i>RSC Advances</i> , <b>2017</b> , 7, 3101-3107	3.7	8
53	Self-Host Blue Dendrimer Comprised of Thermally Activated Delayed Fluorescence Core and Bipolar Dendrons for Efficient Solution-Processable Nondoped Electroluminescence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7339-7346	9.5	72
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> , <b>2017</b> , 12, 216-223	4.5	12
51	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 &amp; Interfaces</i> , <b>2017</b> , 9, 21900-21908	9.5	46
50	Graphene sheets manipulated the thermal-stability of ultrasmall Pt nanoparticles supported on porous Fe <sub>2</sub> O <sub>3</sub> nanocrystals against sintering. <i>RSC Advances</i> , <b>2017</b> , 7, 16379-16386	3.7	9

49	Unusual Hollow AlO Nanofibers with Loofah-Like Skins: Intriguing Catalyst Supports for Thermal Stabilization of Pt Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21258-21266	9.5	24
48	Bicolour electroluminescence of 2-(carbazol-9-yl)anthraquinone based on a solution process. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 12031-12034	7.1	25
47	Synthesizing nonstoichiometric $\text{Li}_3\text{B}_x\text{V}_2+x(\text{PO}_4)_3/\text{C}$ as cathode materials for high-performance lithium-ion batteries by solid state reaction. <i>RSC Advances</i> , <b>2017</b> , 7, 32721-32726	3.7	4
46	Thermally cross-linkable thermally activated delayed fluorescent materials for efficient blue solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8973-8979	7.1	16
45	Light-driven removal of rhodamine B over SrTiO <sub>3</sub> modified Bi <sub>2</sub> WO <sub>6</sub> composites. <i>RSC Advances</i> , <b>2016</b> , 6, 83471-83481	3.7	10
44	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> , <b>2016</b> , 4, 8810-8816	7.1	54
43	Electrochemical detection of L-cysteine using a glassy carbon electrode modified with a two-dimensional composite prepared from platinum and Fe <sub>3</sub> O <sub>4</sub> nanoparticles on reduced graphene oxide. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 3221-3228	5.8	25
42	Novel aggregation-induced emission and thermally activated delayed fluorescence materials based on thianthrene-9,9',10,10'-tetraoxide derivatives. <i>RSC Advances</i> , <b>2016</b> , 6, 22137-22143	3.7	25
41	A novel cyclometalated Ir(III) complex based luminescence intensity and lifetime sensor for Cu <sup>2+</sup> . <i>RSC Advances</i> , <b>2016</b> , 6, 16482-16488	3.7	8
40	Enhanced Electron Affinity and Exciton Confinement in Exciplex-Type Host: Power Efficient Solution-Processed Blue Phosphorescent OLEDs with Low Turn-on Voltage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2010-6	9.5	27
39	A New Insight of the Photothermal Effect on the Highly Efficient Visible-Light-Driven Photocatalytic Performance of Novel-Designed TiO <sub>2</sub> Rambutan-Like Microspheres Decorated by Au Nanorods. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 140-149	3.1	24
38	Au nano dumbbells catalyzed the cutting of graphene oxide sheets upon plasmon-enhanced reduction. <i>RSC Advances</i> , <b>2016</b> , 6, 46218-46225	3.7	9
37	A CTAB-modified S/C nanocomposite cathode for high performance LiB batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 92621-92628	3.7	2
36	Enhanced electron affinity and charge balance property of a bipolar material: highly efficient solution-processed deep blue electrofluorescent and green electrophosphorescent devices. <i>RSC Advances</i> , <b>2015</b> , 5, 66994-67000	3.7	4
35	Solution-processed efficient deep-blue fluorescent organic light-emitting diodes based on novel 9,10-diphenyl-anthracene derivatives. <i>RSC Advances</i> , <b>2015</b> , 5, 29708-29717	3.7	33
34	Bipolar host with multielectron transport benzimidazole units for low operating voltage and high power efficiency solution-processed phosphorescent OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 7303-14	9.5	53
33	Systematically tuning the $\text{E}_{\text{ST}}$ 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> , <b>2015</b> , 3, 5004-5016	7.1	12
32	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 &amp; Interfaces</i> , <b>2015</b> , 7, 25129-38	9.5	39

31	Theoretical and experimental investigations on mono-substituted and multi-substituted functional polyhedral oligomeric silsesquioxanes. <i>RSC Advances</i> , <b>2015</b> , 5, 80339-80345	3.7	8
30	Ternary Hybrid Material for High-Performance Lithium-Sulfur Battery. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12946-53	16.4	215
29	Synthesis of MoS <sub>2</sub> /SrTiO <sub>3</sub> composite materials for enhanced photocatalytic activity under UV irradiation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 706-712	13	56
28	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> , <b>2015</b> , 3, 981-984	7.1	15
27	New versatile Pt supports composed of graphene sheets decorated by Fe <sub>2</sub> O <sub>3</sub> nanorods and N-dopants with high activity based on improved metal/support interactions. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 125-130	13	24
26	A high triplet energy small molecule based thermally cross-linkable hole-transporting material for solution-processed multilayer blue electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 243-246	7.1	27
25	Synthesis of MoS <sub>2</sub> /SrZrO <sub>3</sub> heterostructures and their photocatalytic H <sub>2</sub> evolution under UV irradiation. <i>RSC Advances</i> , <b>2015</b> , 5, 734-739	3.7	36
24	Bis(phosphine oxide)/triphenylamine based material for solution-processed blue electrofluorescent and green electrophosphorescent devices. <i>RSC Advances</i> , <b>2015</b> , 5, 48654-48658	3.7	1
23	Versatile Graphene Quantum Dots with Tunable Nitrogen Doping. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 597-604	3.1	105
22	Self-host homoleptic green iridium dendrimers based on diphenylamine dendrons for highly efficient single-layer PhOLEDs. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1104-1115	7.1	38
21	Graphene-wrapped TiO <sub>2</sub> nanofibers with effective interfacial coupling as ultrafast electron transfer bridges in novel photoanodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1060-1067	13	70
20	N-doped graphene quantum dots-functionalized titanium dioxide nanofibers and their highly efficient photocurrent response. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 1408-1416	2.5	18
19	Luminescent properties and energy transfer of color-tunable Sr <sub>3</sub> Y <sub>2</sub> (SiO <sub>3</sub> ) <sub>6</sub> :Ce <sup>3+</sup> , Tb <sup>3+</sup> phosphors. <i>Journal of Rare Earths</i> , <b>2014</b> , 32, 933-937	3.7	16
18	Binding of N-substituted pyrrole derivatives to HIV-1 gp41. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2014</b> , 13, 1450018	1.8	2
17	Synthesis, characterization and luminescence properties of SrLa <sub>2</sub> (MoO <sub>4</sub> ) <sub>4</sub> :Eu phosphors. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 67, 196-202	2.3	4
16	Direct electrochemistry of hemoglobin on graphene/Fe <sub>3</sub> O <sub>4</sub> nanocomposite-modified glass carbon electrode and its sensitive detection for hydrogen peroxide. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 881-887	2.6	45
15	Growth of single-crystalline rutile TiO <sub>2</sub> nanorods on fluorine-doped tin oxide glass for organic/inorganic hybrid solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2012</b> , 23, 1657-1663	2.1	18
14	Star-shaped dendritic hosts based on carbazole moieties for highly efficient blue phosphorescent OLEDs. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12016		52

13	Ceramic nanofibers fabricated by electrospinning and their applications in catalysis, environmental science, and energy technology. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 326-338	3.2	264
12	Structural and solvent effects on the spectroscopic properties of 1, 8-naphthalimide derivatives: A density functional study. <i>International Journal of Quantum Chemistry</i> , <b>2011</b> , 111, 2234-2241	2.1	7
11	Computational Characterization of Binding of Small Molecule Inhibitors to HIV-1 gp41. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 1307-1311	4.9	1
10	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> , <b>2011</b> , 21, 18174		49
9	Hierarchical nanostructures of K-birnessite nanoplates on anatase nanofibers and their application for decoloration of dye solution. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 3157		35
8	Quasi-static particle formation of poly(acrylamide/methacrylic acid) in ethanol by using V-65 as initiator. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 899	4.9	9
7	A Sinter-Resistant Catalytic System Based on Platinum Nanoparticles Supported on TiO <sub>2</sub> Nanofibers and Covered by Porous Silica. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 8341-8344	3.6	23
6	Bioelectrochemical response of a choline biosensor fabricated by using polyaniline. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 2275-2280		2
5	The unmediated choline sensor based on layered double hydroxides in hydrogen peroxide detection mode. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 2281-2286		1
4	Hydrogen bonding of single acetic acid with water molecules in dilute aqueous solutions. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 2219-2225		8
3	Behavior of a Layered Double Hydroxide under High Current Density Charge and Discharge Cycles. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7448-7455	3.8	28
2	Synthesis and characterization of novel two-component conjugated polythiophenes with 3-octyl and 3-isooctylthiophene side chains. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 1169-1175	2.9	8
1	Spatial regulation of electroplex emission via dendritic molecular engineering. <i>Journal of Materials Chemistry C</i> ,	7.1	1