

Xiaojun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,176
citations

567281

15
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncovering the Circular Polarization Potential of Chiral Photonic Cellulose Films for Photonic Applications. <i>Advanced Materials</i> , 2018, 30, e1705948.	21.0	264
2	A multicolour bistable electronic shelf label based on intramolecular proton-coupled electron transfer. <i>Nature Materials</i> , 2019, 18, 1335-1342.	27.5	161
3	Circularly Polarized Luminescent Carbon Dot Nanomaterials of Helical Superstructures for Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2018, 6, 1801246.	7.3	105
4	Bio-inspired ultra-high energy efficiency bistable electronic billboard and reader. <i>Nature Communications</i> , 2019, 10, 1559.	12.8	96
5	Revealing the hidden performance of metal phthalocyanines for CO ₂ reduction electrocatalysis by hybridization with carbon nanotubes. <i>Nano Research</i> , 2019, 12, 2330-2334.	10.4	72
6	An RGB color-tunable turn-on electrofluorochromic device and its potential for information encryption. <i>Chemical Communications</i> , 2017, 53, 11209-11212.	4.1	60
7	A single-molecule multicolor electrochromic device generated through medium engineering. <i>Light: Science and Applications</i> , 2015, 4, e249-e249.	16.6	56
8	Simple and general platform for highly adjustable thermochromic fluorescent materials and multi-feasible applications. <i>Materials Horizons</i> , 2019, 6, 1654-1662.	12.2	48
9	CO ₂ to Formic Acid Using Cu-Sn on Laser-Induced Graphene. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41223-41229.	8.0	48
10	Highly durable colour/emission switching of fluorescein in a thin film device using electro-acid/base as in situ stimuli. <i>Chemical Communications</i> , 2014, 50, 1420.	4.1	38
11	Highly stretchable electrochromic hydrogels for use in wearable electronic devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9481-9486.	5.5	38
12	Metal Phthalocyanine-Derived Single-Atom Catalysts for Selective CO ₂ Electroreduction under High Current Densities. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33795-33802.	8.0	35
13	Charge Storage Mechanism of a Quinone Polymer Electrode for Zinc-ion Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070558.	2.9	24
14	A full battery system of pre-lithiated phosphorus/sulfurized pyrolyzed poly(acrylonitrile) with an effective electrolyte and improved safety. <i>Green Chemistry</i> , 2020, 22, 4252-4258.	9.0	20
15	Reversible Bond/Cation-Coupled Electron Transfer on Phenylenediamine-Based Rhodamine B and Its Application on Electrochromism. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20196-20204.	8.0	16
16	A Strategy of Stabilization via Active Energy-Exchange for Bistable Electrochromic Displays. <i>CCS Chemistry</i> , 2022, 4, 2757-2767.	7.8	15
17	Multi-Component Collaborative Step-by-Step Coloring Strategy to Achieve High-Performance Light-Responsive Color-Switching. <i>Advanced Science</i> , 2022, 9, e2103309.	11.2	15
18	A Multi-Stimuli-Responsive Oxazine Molecular Switch: A Strategy for the Design of Electrochromic Materials. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1206-1212.	3.3	14

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19	Bio-inspired enol-degradation for multipurpose oxygen sensing. <i>Chemical Communications</i> , 2014, 50, 13477-13480.	4.1	13
20	A methyl ketone bridged molecule as a multi-stimuli-responsive color switch for electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4662-4667.	5.5	11
21	Three primary color (cyan/magenta/yellow) switchable electrochromic devices based on PEDOT:PSS and "electrobase/electroacid"™ theory. <i>New Journal of Chemistry</i> , 2019, 43, 8410-8413.	2.8	11
22	Photo-Base Chromisms and the Application of a Dual-Addressable Molecular Switch. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2838-2845.	3.3	9
23	Single probe giving different signals towards reactive oxygen species and nitroxyl. <i>Dyes and Pigments</i> , 2018, 148, 348-352.	3.7	7
24	Cross polarization effect of donor-acceptor group on a potential single-molecule transistor. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 834-840.	1.9	0