

# Ding-Shan Yu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3790543/publications.pdf>

Version: 2024-02-01

129  
papers

15,575  
citations

44069

48  
h-index

16183

124  
g-index

141  
all docs

141  
docs citations

141  
times ranked

19856  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable synthesis of hierarchically structured carbon nanotube-graphene fibres for capacitive energy storage. <i>Nature Nanotechnology</i> , 2014, 9, 555-562.	31.5	1,312
2	Self-Assembled Graphene/Carbon Nanotube Hybrid Films for Supercapacitors. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 467-470.	4.6	1,073
3	Vertically Aligned BCN Nanotubes as Efficient Metal-Free Electrocatalysts for the Oxygen Reduction Reaction: A Synergetic Effect by Co-Doping with Boron and Nitrogen. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11756-11760.	13.8	725
4	A review of rechargeable batteries for portable electronic devices. <i>Informa-Materials</i> , 2019, 1, 6-32.	17.3	694
5	Polyelectrolyte Functionalized Carbon Nanotubes as Efficient Metal-free Electrocatalysts for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2011, 133, 5182-5185.	13.7	678
6	Polyelectrolyte-Functionalized Graphene as Metal-Free Electrocatalysts for Oxygen Reduction. <i>ACS Nano</i> , 2011, 5, 6202-6209.	14.6	672
7	Biocompatible Graphene Oxide-Based Glucose Biosensors. <i>Langmuir</i> , 2010, 26, 6158-6160.	3.5	668
8	Highly Efficient Metal-Free Growth of Nitrogen-Doped Single-Walled Carbon Nanotubes on Plasma-Etched Substrates for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2010, 132, 15127-15129.	13.7	608
9	Nitrogen-Doped Graphene/Carbon Nanotube Hybrids: In Situ Formation on Bifunctional Catalysts and Their Superior Electrocatalytic Activity for Oxygen Evolution/Reduction Reaction. <i>Small</i> , 2014, 10, 2251-2259.	10.0	571
10	Metal-Free Carbon Nanomaterials Become More Active than Metal Catalysts and Last Longer. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2165-2173.	4.6	529
11	Emergence of fiber supercapacitors. <i>Chemical Society Reviews</i> , 2015, 44, 647-662.	38.1	498
12	Soluble P3HT-Grafted Graphene for Efficient Bilayer Heterojunction Photovoltaic Devices. <i>ACS Nano</i> , 2010, 4, 5633-5640.	14.6	451
13	A general approach to cobalt-based homobimetallic phosphide ultrathin nanosheets for highly efficient oxygen evolution in alkaline media. <i>Energy and Environmental Science</i> , 2017, 10, 893-899.	30.8	412
14	Preparation of Tunable 3D Pillared Carbon Nanotube-Graphene Networks for High-Performance Capacitance. <i>Chemistry of Materials</i> , 2011, 23, 4810-4816.	6.7	367
15	Vertically Aligned Carbon Nanotube Arrays Co-doped with Phosphorus and Nitrogen as Efficient Metal-Free Electrocatalysts for Oxygen Reduction. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2863-2870.	4.6	294
16	Ternary Hybrids of Amorphous Nickel Hydroxide-Carbon Nanotube-Conducting Polymer for Supercapacitors with High Energy Density, Excellent Rate Capability, and Long Cycle Life. <i>Advanced Functional Materials</i> , 2015, 25, 1063-1073.	14.9	288
17	Three-dimensional B,N-doped graphene foam as a metal-free catalyst for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12220.	2.8	284
18	Hole and Electron Extraction Layers Based on Graphene Oxide Derivatives for High-Performance Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2012, 24, 2228-2233.	21.0	279

#	ARTICLE	IF	CITATIONS
19	All- <i>Carbon Nanoarchitectures as High-Performance Separation Membranes with Superior Stability. Advanced Functional Materials, 2015, 25, 7348-7359.</i>	14.9	248
20	Ultrathin Black Phosphorus-on-Nitrogen Doped Graphene for Efficient Overall Water Splitting: Dual Modulation Roles of Directional Interfacial Charge Transfer. <i>Journal of the American Chemical Society, 2019, 141, 4972-4979.</i>	13.7	247
21	Controlled Functionalization of Carbonaceous Fibers for Asymmetric Solid-State Micro-Supercapacitors with High Volumetric Energy Density. <i>Advanced Materials, 2014, 26, 6790-6797.</i>	21.0	243
22	Fullerene-Grafted Graphene for Efficient Bulk Heterojunction Polymer Photovoltaic Devices. <i>Journal of Physical Chemistry Letters, 2011, 2, 1113-1118.</i>	4.6	216
23	Transforming Pristine Carbon Fiber Tows into High Performance Solid-State Fiber Supercapacitors. <i>Advanced Materials, 2015, 27, 4895-4901.</i>	21.0	193
24	Oxidizing metal ions with graphene oxide: the in situ formation of magnetic nanoparticles on self-reduced graphene sheets for multifunctional applications. <i>Chemical Communications, 2011, 47, 11689.</i>	4.1	177
25	Formation of Large-Area Nitrogen-Doped Graphene Film Prepared from Simple Solution Casting of Edge-Selectively Functionalized Graphite and Its Electrocatalytic Activity. <i>Chemistry of Materials, 2011, 23, 3987-3992.</i>	6.7	171
26	Bifunctional MOF-Derived Carbon Photonic Crystal Architectures for Advanced Zn-Air and Li-S Batteries: Highly Exposed Graphitic Nitrogen Matters. <i>Advanced Functional Materials, 2017, 27, 1701971.</i>	14.9	156
27	Nitrogen doped holey graphene as an efficient metal-free multifunctional electrochemical catalyst for hydrazine oxidation and oxygen reduction. <i>Nanoscale, 2013, 5, 3457.</i>	5.6	154
28	Graphene Oxide Quantum Dots Covalently Functionalized PVDF Membrane with Significantly-Enhanced Bactericidal and Antibiofouling Performances. <i>Scientific Reports, 2016, 6, 20142.</i>	3.3	136
29	Integrative solar absorbers for highly efficient solar steam generation. <i>Journal of Materials Chemistry A, 2018, 6, 4642-4648.</i>	10.3	135
30	Freestanding Graphitic Carbon Nitride Photonic Crystals for Enhanced Photocatalysis. <i>Advanced Functional Materials, 2016, 26, 4943-4950.</i>	14.9	122
31	A general polymer-assisted strategy enables unexpected efficient metal-free oxygen-evolution catalysis on pure carbon nanotubes. <i>Energy and Environmental Science, 2017, 10, 2312-2317.</i>	30.8	113
32	Catalysts for chirality selective synthesis of single-walled carbon nanotubes. <i>Carbon, 2015, 81, 1-19.</i>	10.3	106
33	Hierarchical assemblies of conjugated ultrathin COF nanosheets for high-sulfur-loading and long-lifespan lithium-sulfur batteries: Fully-exposed porphyrin matters. <i>Energy Storage Materials, 2019, 22, 40-47.</i>	18.0	100
34	Layer-by-Layer assembly and humidity sensitive behavior of poly(ethyleneimine)/multiwall carbon nanotube composite films. <i>Sensors and Actuators B: Chemical, 2006, 119, 512-515.</i>	7.8	93
35	Boosting water oxidation on metal-free carbon nanotubes <i>via</i> directional interfacial charge-transfer induced by an adsorbed polyelectrolyte. <i>Energy and Environmental Science, 2018, 11, 3334-3341.</i>	30.8	92
36	In Situ Activating Strategy to Significantly Boost Oxygen Electrocatalysis of Commercial Carbon Cloth for Flexible and Rechargeable Zn-Air Batteries. <i>Advanced Science, 2018, 5, 1800760.</i>	11.2	91

#	ARTICLE	IF	CITATIONS
37	Alkene-Linked Covalent Organic Frameworks Boosting Photocatalytic Hydrogen Evolution by Efficient Charge Separation and Transfer in the Presence of Sacrificial Electron Donors. <i>Advanced Science</i> , 2020, 7, 1902988.	11.2	85
38	Superhydrophobic electrospun POSS-PMMA copolymer fibres with highly ordered nanofibrillar and surface structures. <i>Chemical Communications</i> , 2009, , 6418.	4.1	83
39	Interfacial modification layers based on carbon dots for efficient inverted polymer solar cells exceeding 10% power conversion efficiency. <i>Nano Energy</i> , 2016, 26, 216-223.	16.0	83
40	Photoresponsive Actuators Built from Carbon-Based Soft Materials. <i>Advanced Optical Materials</i> , 2019, 7, 1900069.	7.3	78
41	3D-crosslinked tannic acid/poly(ethylene oxide) complex as a three-in-one multifunctional binder for high-sulfur-loading and high-stability cathodes in lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2019, 17, 293-299.	18.0	76
42	A high-performance metal-free hydrogen-evolution reaction electrocatalyst from bacterium derived carbon. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7210-7214.	10.3	75
43	Self-Assembled Graphene-Based Architectures and Their Applications. <i>Advanced Science</i> , 2018, 5, 1700626.	11.2	70
44	Graphene-Based Nanowire Supercapacitors. <i>Langmuir</i> , 2014, 30, 3567-3571.	3.5	68
45	Conjugated polymer dots/graphitic carbon nitride nanosheet heterojunctions for metal-free hydrogen evolution photocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 303-311.	10.3	64
46	Multibranching Octupolar Module Embedded Covalent Organic Frameworks Enable Efficient Two-Photon Fluorescence. <i>Advanced Functional Materials</i> , 2020, 30, 2000516.	14.9	56
47	Donor-Acceptor Nanocarbon Ensembles to Boost Metal-Free All-pH Hydrogen Evolution Catalysis by Combined Surface and Dual Electronic Modulation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16217-16222.	13.8	52
48	Organo-Soluble Chiral Thiol-Monolayer-Protected Gold Nanorods. <i>Langmuir</i> , 2011, 27, 98-103.	3.5	48
49	Tactile UV- and Solar-Light Multi-Sensing Rechargeable Batteries with Smart Self-Conditioned Charge and Discharge. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9248-9253.	13.8	48
50	Asymmetrically Functionalized Graphene for Photodependent Diode Rectifying Behavior. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6575-6578.	13.8	46
51	A General Electrode Design Strategy for Flexible Fiber Micro-Pseudocapacitors Combining Ultrahigh Energy and Power Delivery. <i>Advanced Science</i> , 2017, 4, 1700003.	11.2	46
52	Redox Donor-Acceptor Conjugated Microporous Polymers as Ultralong-Lived Organic Anodes for Rechargeable Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10164-10171.	13.8	44
53	One-Pot Large-Scale Synthesis of Carbon Quantum Dots: Efficient Cathode Interlayers for Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14953-14959.	8.0	41
54	Effective Dual Polysulfide Rejection by a Tannic Acid/Fe <sup>III</sup> Complex-Coated Separator in Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12708-12715.	8.0	41

#	ARTICLE	IF	CITATIONS
55	A high-performance, highly bendable quasi-solid-state zinc-organic battery enabled by intelligent proton-self-buffering copolymer cathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17292-17298.	10.3	40
56	Integrated Photo-Responsive Batteries for Solar Energy Harnessing: Recent Advances, Challenges, and Opportunities. <i>ChemPlusChem</i> , 2020, 85, 600-612.	2.8	40
57	Harvesting Air and Light Energy via All-One-Polymer Cathodes for High-Capacity, Self-Chargeable, and Multimode-Switching Zinc Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2007942.	14.9	40
58	Structural and lasing characteristics of ultrathin hexagonal ZnO nanodisks grown vertically on silicon-on-insulator substrates. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	39
59	CoSO <sub>4</sub> /SiO <sub>2</sub> catalyst for selective synthesis of (9, 8) single-walled carbon nanotubes: Effect of catalyst calcination. <i>Journal of Catalysis</i> , 2013, 300, 91-101.	6.2	38
60	Versatile, Aqueous Soluble C <sub>2</sub> N Quantum Dots with Enriched Active Edges and Oxygenated Groups. <i>Journal of the American Chemical Society</i> , 2020, 142, 4621-4630.	13.7	38
61	Multifunctional nitrogen-rich brick-and-mortar-carbon as high performance supercapacitor electrodes and oxygen reduction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11061.	10.3	34
62	Graphene-based materials for polymer solar cells. <i>Chinese Chemical Letters</i> , 2016, 27, 1259-1270.	9.0	34
63	Organo-Soluble Porphyrin Mixed Monolayer-Protected Gold Nanorods with Intercalated Fullerenes. <i>Langmuir</i> , 2012, 28, 5956-5963.	3.5	33
64	Hybrid ternary rice paper-manganese oxide-carbon nanotube nanocomposites for flexible supercapacitors. <i>Nanoscale</i> , 2013, 5, 11108.	5.6	33
65	Capturing Visible Light in Low-Band-Gap C <sub>4</sub> N-Derived Responsive Bifunctional Air Electrodes for Solar Energy Conversion and Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17615-17621.	13.8	33
66	Cross-Linked Graphitic Carbon Nitride with Photonic Crystal Structure for Efficient Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44503-44511.	8.0	31
67	Voltage-induced incandescent light emission from large-area graphene films. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	30
68	Bioinspired Mesoporous Chiral Nematic Graphitic Carbon Nitride Photocatalysts modulated by Polarized Light. <i>ChemSusChem</i> , 2018, 11, 114-119.	6.8	29
69	Polyaniline/Pure Carbon Assemblies as Efficient Self-Standing Metal-Free Oxygen Electrodes in Alkaline Media for Zn-Air Batteries. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1544-1548.	3.3	26
70	Preparation of Flame-Retardant Polyurethane and Its Applications in the Leather Industry. <i>Polymers</i> , 2021, 13, 1730.	4.5	26
71	Sulfur doped Co/SiO <sub>2</sub> catalysts for chirally selective synthesis of single walled carbon nanotubes. <i>Chemical Communications</i> , 2013, 49, 2031-2033.	4.1	25
72	Pyrazine-nitrogen-rich exfoliated C <sub>4</sub> N nanosheets as efficient metal-free polymeric catalysts for oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2020, 49, 243-247.	12.9	24

#	ARTICLE	IF	CITATIONS
73	Significantly Enhanced Actuation Performance of IPMC by Surfactant-Assisted Processable MWCNT/Nafion Composite. <i>Journal of Bionic Engineering</i> , 2013, 10, 359-367.	5.0	22
74	Recoverable Photolithographic Patterning for Polarized Display and Encryption. <i>Advanced Materials Technologies</i> , 2020, 5, 2000373.	5.8	22
75	Self-Assembly of Gold Nanowires along Carbon Nanotubes for Ultrahigh-Aspect-Ratio Hybrids. <i>Chemistry of Materials</i> , 2011, 23, 2760-2765.	6.7	20
76	Preparation and Electrocatalytic Activity of Gold Nanoparticles Immobilized on the Surface of 4-Mercaptobenzoyl-Functionalized Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1746-1751.	3.1	20
77	Preparation and flame-retardant mechanism of polyheptazine/PA6 nanocomposites. <i>Polymer</i> , 2019, 182, 121810.	3.8	20
78	Fabrication and characterization of PbS/multiwalled carbon nanotube heterostructures. <i>Applied Physics Letters</i> , 2007, 90, 161103.	3.3	19
79	Improving Dielectric Properties and Thermostability of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ /Polyimide Composites by Employing Surface Hydroxylated $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Particles. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1263-1271.	4.4	19
80	E. coli-derived carbon with nitrogen and phosphorus dual functionalities for oxygen reduction reaction. <i>Catalysis Today</i> , 2015, 249, 228-235.	4.4	18
81	Orientation and Dispersion Evolution of Carbon Nanotubes in Ultra High Molecular Weight Polyethylene Composites under Extensional-Shear Coupled Flow: A Dissipative Particle Dynamics Study. <i>Polymers</i> , 2019, 11, 154.	4.5	17
82	Efficient active actuation to imitate locomotion of gecko's toes using an ionic polymer-metal composite actuator enhanced by carbon nanotubes. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	16
83	Synthesis of free-standing carbon nanohybrid by directly growing carbon nanotubes on air-sprayed graphene oxide paper and its application in supercapacitor. <i>Journal of Solid State Chemistry</i> , 2015, 224, 45-51.	2.9	16
84	Commercial Fiber Products Derived Free-Standing Porous Carbonized-Membranes for Highly Efficient Solar Steam Generation. <i>Frontiers in Materials</i> , 2018, 5, .	2.4	16
85	Metal-containing covalent organic framework: a new type of photo/electrocatalyst. <i>Rare Metals</i> , 2022, 41, 1160-1175.	7.1	16
86	Nickel hydroxide-carbon nanotube nanocomposites as supercapacitor electrodes: crystallinity dependent performances. <i>Nanotechnology</i> , 2015, 26, 314003.	2.6	15
87	Rational design of metallic nanowire-based plasmonic architectures for efficient inverted polymer solar cells. <i>Solar Energy</i> , 2015, 122, 231-238.	6.1	15
88	Extensional-shear coupled flow-induced morphology and phase evolution of polypropylene/ultrahigh molecular weight polyethylene blends: Dissipative particle dynamics simulations and experimental studies. <i>Polymer</i> , 2019, 169, 36-45.	3.8	15
89	Crosslinked cyanometallate-chitosan nanosheet assembled aerogels as efficient catalysts to boost polysulfide redox kinetics in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19262-19268.	10.3	15
90	Capturing Visible Light in Low-Band-Gap $\text{C}_{40}\text{N}_4$ -Derived Responsive Bifunctional Air Electrodes for Solar Energy Conversion and Storage. <i>Angewandte Chemie</i> , 2021, 133, 17756-17762.	2.0	15

#	ARTICLE	IF	CITATIONS
91	Cutting COF-like C <sub>4</sub> N to Give Colloidal Quantum Dots: Towards Optical Encryption and Bidirectional Sulfur Chemistry via Functional Group and Edge Effects. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114182.	13.8	15
92	Structure and properties of ultrahigh molecular weight polyethylene processed under a consecutive elongational flow. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	14
93	Black phosphorus quantum dots as an effective perovskite interfacial modification layer for efficient low-temperature processed all-inorganic CsPbI <sub>2</sub> Br perovskite solar cells. <i>Solar Energy</i> , 2020, 206, 793-798.	6.1	14
94	Deformation and Stress Response of Carbon Nanotubes/UHMWPE Composites under Extensional-Shear Coupling Flow. <i>Applied Composite Materials</i> , 2018, 25, 35-43.	2.5	12
95	Donor-Acceptor Nanocarbon Ensembles to Boost Metal-Free All-pH Hydrogen Evolution Catalysis by Combined Surface and Dual Electronic Modulation. <i>Angewandte Chemie</i> , 2019, 131, 16363-16368.	2.0	10
96	Tactile UV- and Solar-Light Multi-Sensing Rechargeable Batteries with Smart Self-Conditioned Charge and Discharge. <i>Angewandte Chemie</i> , 2019, 131, 9349-9354.	2.0	10
97	Octupolar Acrylonitrile-Bridged 2D-Conjugated Polymers Enable Bright Far-Red Emission with Intense Two-Photon Absorption via Alkoxylation Chemistry. <i>Small</i> , 2021, 17, e2100955.	10.0	10
98	Plasmonic effects and the morphology changes on the active material P3HT:PCBM used in polymer solar cells using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 888-894.	2.5	9
99	Humidity and Pressure Dual-Responsive Metal-Free Water Batteries Enabled by Three-In-One All-Polymer Cathodes for Smart Self-Powered Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 23853-23859.	8.0	9
100	Enhanced photoresponse of CdS/CMK-3 composite as a candidate for light-harvesting assembly. <i>Nanotechnology</i> , 2010, 21, 045601.	2.6	8
101	Thermoresponsive behavior of non-isocyanate poly(hydroxyl)urethane for biomedical composite materials. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 843-852.	21.1	8
102	Phase behavior and alignment transition of ultra high molecular weight polyethylene/polyamide 6 blends under extensional and shear flow. <i>Computational Materials Science</i> , 2018, 149, 21-27.	3.0	7
103	Rapid colorimetric glucose detection via chain reaction amplification of acrylic functionalized Ag@SiO <sub>2</sub> nanoparticles. <i>RSC Advances</i> , 2018, 8, 37729-37734.	3.6	7
104	Recent Advances in Elongational Flow Dominated Polymer Processing Technologies. <i>Polymers</i> , 2021, 13, 1792.	4.5	7
105	Adsorption characteristics and conformational transition of polyethylene glycol-maleated rosin polyesters on the water-air surface. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1233-1240.	21.1	7
106	Optical properties of synthesized organic nanowires. <i>Applied Physics Letters</i> , 2006, 89, 241121.	3.3	6
107	Nanocubes of PbS with visible luminescence synthesized by sulfonated polymer as stabilizer and modifier at room-temperature. <i>Materials Letters</i> , 2009, 63, 2317-2320.	2.6	6
108	Graphene Oxide Derivatives: Hole and Electron Extraction Layers Based on Graphene Oxide Derivatives for High-Performance Bulk Heterojunction Solar Cells (Adv. Mater. 17/2012). <i>Advanced Materials</i> , 2012, 24, 2227-2227.	21.0	5

#	ARTICLE	IF	CITATIONS
109	New insights into a first principle calculation and experimental study of Sn-Pb-Ge ternary-metal perovskites for potential photovoltaic application. <i>Materials Science in Semiconductor Processing</i> , 2017, 68, 159-164.	4.0	5
110	Boosting Oxygen Reduction Performance of Manganese Oxide in Alkaline Media by Three-Dimensional Highly Ordered Conductive Porous Framework. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	5
111	Elongational Flow Field Processed Ultrahigh Molecular Weight Polyethylene/Polypropylene Blends with Distinct Interlayer Phase for Enhanced Tribological Properties. <i>Polymers</i> , 2021, 13, 1933.	4.5	5
112	Coupled intramolecular/heterointerfacial electron transfer in polyelectrolyte-shielded Iso-type black phosphorus hetero-structure boosts oxygen reduction kinetics. <i>Journal of Energy Chemistry</i> , 2021, 63, 468-476.	12.9	5
113	Material Based Structure Design: Numerical Analysis Thermodynamic Response of Thermal Pyrolytic Graphite /Al Sandwich Composites. <i>Applied Composite Materials</i> , 2016, 23, 1167-1176.	2.5	4
114	Integrated Photo-responsive Batteries for Solar Energy Harnessing: Recent Advances, Challenges, and Opportunities. <i>ChemPlusChem</i> , 2020, 85, 599-599.	2.8	4
115	Redox Donor-acceptor Conjugated Microporous Polymers as Ultralong-lived Organic Anodes for Rechargeable Air Batteries. <i>Angewandte Chemie</i> , 2021, 133, 10252-10259.	2.0	4
116	A Dissipative Particle Dynamics Study of Flow Behaviors in Ultra High Molecular Weight Polyethylene/Polyamide 6 Blends Based on Souza-Martins Method. <i>Polymers</i> , 2019, 11, 1275.	4.5	3
117	Chain conformation and dynamics in ultrahigh molecular weight polyethylene melts undergoing extensional-shear coupled flow: insight from dissipative particle dynamics simulation. <i>Polymer International</i> , 2020, 69, 1213-1219.	3.1	3
118	Programmable Invisible Photonic Patterns with Rapid Response Based on Two-Dimensional Colloidal Crystals. <i>Polymers</i> , 2021, 13, 1926.	4.5	3
119	Temperature-dependent photoluminescence properties of synthesized schistoselike organic nanostructures. <i>Journal of Applied Physics</i> , 2008, 103, 013104.	2.5	2
120	Acrylonitrile-Linked Covalent Organic Frameworks Enable Fast Stimulus-responsive Fluorescence with High Quantum Yield via Fluorine Chemistry. <i>Advanced Photonics Research</i> , 0, , 2200008.	3.6	2
121	Optical emission from disordered multi-branched ZnO nanorods formed by catalyst-free growth. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 329-334.	2.3	1
122	Innenr&uuml;cktitelbild: Tactile UV- and Solar-light Multi-sensing Rechargeable Batteries with Smart Self-conditioned Charge and Discharge ( <i>Angew. Chem.</i> 27/2019). <i>Angewandte Chemie</i> , 2019, 131, 9389-9389.	2.0	1
123	Enhancing Chain Mobility of Ultrahigh Molecular Weight Polyethylene by Regulating Residence Time under a Consecutive Elongational Flow for Improved Processability. <i>Polymers</i> , 2021, 13, 2192.	4.5	1
124	Cutting COF-like C <sub>4</sub> N to Give Colloidal Quantum Dots: Towards Optical Encryption and Bidirectional Sulfur Chemistry via Functional Group and Edge Effects. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
125	Reflection-enhancing coatings from layer-by-layer self-assembled polyelectrolyte/colloidal TiO <sub>2</sub> multilayers. , 2005, 5633, 470.		0
126	Growth of organic-inorganic hybrid nanowires based on p-hydroxybenzoic acid. <i>Materials Chemistry and Physics</i> , 2009, 118, 203-207.	4.0	0



#	ARTICLE	IF	CITATIONS
127	Innentitelbild: Donor-“Acceptor Nanocarbon Ensembles to Boost Metal-Free All-pH Hydrogen Evolution Catalysis by Combined Surface and Dual Electronic Modulation (Angew. Chem. 45/2019). Angewandte Chemie, 2019, 131, 16086-16086.	2.0	0
128	New insight into residual stresses in amine-grafted MWCNTs/binary resin composites under complex thermomechanical loadings. Journal of Thermoplastic Composite Materials, 2019, 32, 1445-1454.	4.2	0
129	Temperature Effect on the Conformation Transition of Ultra-high Molecular Weight Polyethylene/Polypropylene Blends Undergoing Continuous Volume Extensional Flow: A Mesoscopic Simulation. Journal Wuhan University of Technology, Materials Science Edition, 2022, 37, 540-545.	1.0	0