

Yue Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/48390/publications.pdf>

Version: 2024-02-01

83
papers

3,116
citations

218677

26
h-index

161849

54
g-index

83
all docs

83
docs citations

83
times ranked

3689
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing charge separation on high symmetry SrTiO ₃ exposed with anisotropic facets for photocatalytic water splitting. <i>Energy and Environmental Science</i> , 2016, 9, 2463-2469.	30.8	372
2	Recent advances and perspectives for solar-driven water splitting using particulate photocatalysts. <i>Chemical Society Reviews</i> , 2022, 51, 3561-3608.	38.1	273
3	A Hydrogen Farm Strategy for Scalable Solar Hydrogen Production with Particulate Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9653-9658.	13.8	167
4	Significance of Crystal Morphology Controlling in Semiconductor-Based Photocatalysis: A Case Study on BiVO ₄ Photocatalyst. <i>Crystal Growth and Design</i> , 2017, 17, 2923-2928.	3.0	156
5	Unraveling of cocatalysts photodeposited selectively on facets of BiVO ₄ to boost solar water splitting. <i>Nature Communications</i> , 2022, 13, 484.	12.8	156
6	Dynamic Interaction between Methylammonium Lead Iodide and TiO ₂ Nanocrystals Leads to Enhanced Photocatalytic H ₂ Evolution from HI Splitting. <i>ACS Energy Letters</i> , 2018, 3, 1159-1164.	17.4	147
7	SAXS Analysis of the Order~Disorder Transition and the Interaction Parameter of Polystyrene- <i>block</i> -poly(methyl methacrylate). <i>Macromolecules</i> , 2008, 41, 9948-9951.	4.8	132
8	Interfacial Charge Modulation: An Efficient Strategy for Boosting Spatial Charge Separation on Semiconductor Photocatalysts. <i>Advanced Energy Materials</i> , 2019, 9, 1803951.	19.5	125
9	Bismuth Tantalum Oxyhalogen: A Promising Candidate Photocatalyst for Solar Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1701392.	19.5	122
10	Micellar Formation of Poly(caprolactone- <i>block</i> -ethylene oxide- <i>block</i> - caprolactone) and Its Enzymatic Biodegradation in Aqueous Dispersion. <i>Macromolecules</i> , 2003, 36, 8825-8829.	4.8	116
11	Rheological Study of the Sol~Gel Transition of Hybrid Gels. <i>Macromolecules</i> , 2003, 36, 855-859.	4.8	87
12	Photo-thermo semi-hydrogenation of acetylene on Pd1/TiO ₂ single-atom catalyst. <i>Nature Communications</i> , 2022, 13, 2648.	12.8	61
13	Noncovalently Connected Polymeric Micelles in Aqueous Medium. <i>Langmuir</i> , 2001, 17, 6122-6126.	3.5	59
14	Exchangeable cations-mediated photodegradation of polycyclic aromatic hydrocarbons (PAHs) on smectite surface under visible light. <i>Journal of Hazardous Materials</i> , 2015, 287, 16-23.	12.4	59
15	Self-Assembly of Carboxylated Poly(styrene- <i>b</i> -ethylene-co-butylene- <i>b</i> -styrene) Triblock Copolymer Chains in Water via a Microphase Inversion. <i>Macromolecules</i> , 2000, 33, 6340-6343.	4.8	46
16	Self-Assembly of Poly(caprolactone- <i>b</i> -ethylene oxide- <i>b</i> -caprolactone) via a Microphase Inversion in Water. <i>Journal of Physical Chemistry B</i> , 2001, 105, 848-851.	2.6	46
17	Spatial separation of dual-cocatalysts on one-dimensional semiconductors for photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15607-15614.	10.3	43
18	Achieving selective photocatalytic CO ₂ reduction to CO on bismuth tantalum oxyhalogen nanoplates. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19631-19636.	10.3	41

#	ARTICLE	IF	CITATIONS
19	Photoinduced Surface Activation of Semiconductor Photocatalysts under Reaction Conditions: A Commonly Overlooked Phenomenon in Photocatalysis. <i>ACS Catalysis</i> , 2020, 10, 5941-5948.	11.2	39
20	Legumain-Specific Near-Infrared Fluorescence "Turn On" for Tumor-Targeted Imaging. <i>Analytical Chemistry</i> , 2018, 90, 8732-8735.	6.5	36
21	Symmetric Diblock Copolymer Thin Films on Rough Substrates: Microdomain Periodicity in Pure and Blended Films. <i>Macromolecules</i> , 2008, 41, 2584-2592.	4.8	35
22	Suv39h1 Mediates AP-2 β -Dependent Inhibition of C/EBP β Expression during Adipogenesis. <i>Molecular and Cellular Biology</i> , 2014, 34, 2330-2338.	2.3	35
23	A highly accessible copper single-atom catalyst for wound antibacterial application. <i>Nano Research</i> , 2021, 14, 4808-4813.	10.4	35
24	Nonergodic Dynamics of a Novel Thermally Sensitive Hybrid Gel. <i>Macromolecules</i> , 2001, 34, 7804-7808.	4.8	34
25	Novel Nanoparticles Formed via Self-Assembly of Poly(ethylene glycol-b-sebacic anhydride) and Their Degradation in Water. <i>Macromolecules</i> , 2000, 33, 9040-9043.	4.8	33
26	Formation and Degradation of Poly(D,L-lactide) Nanoparticles and Their Potential Application as Controllable Releasing Devices. <i>Macromolecular Bioscience</i> , 2004, 4, 901-906.	4.1	27
27	Responsive Amorphous Photonic Structures of Spherical/Polyhedral Colloidal Metal-Organic Frameworks. <i>Advanced Optical Materials</i> , 2019, 7, 1900522.	7.3	27
28	A Hydrogen Farm Strategy for Scalable Solar Hydrogen Production with Particulate Photocatalysts. <i>Angewandte Chemie</i> , 2020, 132, 9740-9745.	2.0	27
29	Thermal Decomposition Kinetics and Structure of Novel Polystyrene Clusters with MTEMPO as a Branching Agent. <i>Macromolecules</i> , 2001, 34, 460-464.	4.8	26
30	A nano-sized Au electrode fabricated using lithographic technology for electrochemical detection of dopamine. <i>Biosensors and Bioelectronics</i> , 2012, 35, 115-122.	10.1	26
31	Imidazolium-based anion exchange membranes for alkaline anion fuel cells: elucidation of the morphology and the interplay between the morphology and properties. <i>Soft Matter</i> , 2016, 12, 1567-1578.	2.7	26
32	Spatial Separation of Photogenerated Charges on Well-Defined Bismuth Vanadate Square Nanocrystals. <i>Small</i> , 2022, 18, e2103245.	10.0	23
33	Alkaline durable 2-methylimidazolium containing anion-conducting electrolyte membranes synthesized by radiation-induced grafting for direct hydrazine hydrate fuel cells. <i>Journal of Membrane Science</i> , 2019, 573, 403-410.	8.2	22
34	Combined SANS, SEC, NMR, and UV-vis Studies of Simultaneous Living Anionic Copolymerization Process in a Concentrated Solution: Elucidation of Building-Up Processes of Molecules and Their Self-Assemblies. <i>Macromolecules</i> , 2010, 43, 2948-2959.	4.8	20
35	Combined SANS, SEC, NMR, and UV-vis Studies of Simultaneous Living Anionic Copolymerization Process: Simultaneous Elucidation of Propagating Living Chains at Three Different Length Scales. <i>Macromolecules</i> , 2009, 42, 1739-1748.	4.8	19
36	Living Polymerization Induced Macro- and Microdomain Investigated by Focusing Ultra-small-angle Neutron Scattering. <i>Polymer Journal</i> , 2007, 39, 1312-1318.	2.7	18

#	ARTICLE	IF	CITATIONS
37	Block-type proton exchange membranes prepared by a combination of radiation-induced grafting and atom-transfer radical polymerization. <i>Journal of Membrane Science</i> , 2017, 532, 105-114.	8.2	17
38	Unusual Charge Distribution on the Facet of a SrTiO ₃ Nanocube under Light Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1212-1216.	4.6	17
39	Crystal facet modulation of Bi ₂ WO ₆ microplates for spatial charge separation and inhibiting reverse reaction. <i>Chemical Communications</i> , 2021, 57, 11637-11640.	4.1	17
40	Crystal Facet-Dependent Intrinsic Charge Separation on Well-Defined Bi ₄ TaO ₈ Cl Nanoplate for Efficient Photocatalytic Water Oxidation. <i>Energy Material Advances</i> , 2022, 2022, .	11.0	17
41	Dispersing Zwitterions into Comb Polymers for Nonviral Transfection: Experiments and Molecular Simulation. <i>Biomacromolecules</i> , 2016, 17, 546-557.	5.4	16
42	Imidazolium-based anion exchange membranes for alkaline anion fuel cells: (2) elucidation of the ionic structure and its impact on conducting properties. <i>Soft Matter</i> , 2017, 13, 8463-8473.	2.7	16
43	Atomically unraveling the dependence of surface microstructure on plasmon-induced hydrogen evolution on Au/SrTiO ₃ . <i>Nano Energy</i> , 2022, 91, 106638.	16.0	16
44	Light scattering studies of stereocomplex formation of stereoregular poly(methyl methacrylate) in solutions. <i>European Polymer Journal</i> , 2005, 41, 447-452.	5.4	15
45	Enzymatic Electrochemical Detection of Glucose with a Gold Nanowire Array Electrode. <i>Electroanalysis</i> , 2014, 26, 656-663.	2.9	15
46	Photoinduced Aggregation of Polymer Nanoparticles in a Dilute Nonaqueous Dispersion. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1889-1897.	2.6	14
47	Intracellular synthesis of d-aminoluciferin for bioluminescence generation. <i>Chemical Communications</i> , 2017, 53, 3567-3570.	4.1	14
48	Phase behavior and Li ⁺ ion conductivity of styrene-ethylene oxide multiblock copolymer electrolytes. <i>Polymers for Advanced Technologies</i> , 2016, 27, 946-954.	3.2	13
49	Elucidation of the morphology of the hydrocarbon multi-block copolymer electrolyte membranes for proton exchange fuel cells. <i>Polymer</i> , 2016, 86, 157-167.	3.8	13
50	A long side chain imidazolium-based graft-type anion-exchange membrane: novel electrolyte and alkaline-durable properties and structural elucidation using SANS contrast variation. <i>Soft Matter</i> , 2020, 16, 8128-8143.	2.7	13
51	Time-resolved SAXS studies of self-assembling process of palladium nanoparticles in templates of polystyrene-block-polyisoprene melt: Effects of reaction fields on the self-assembly. <i>Polymer</i> , 2009, 50, 2696-2705.	3.8	12
52	Order-Disorder Transition of Nanocomposites: Pd Nanoparticles in Polystyrene- <i>block</i> -Polyisoprene Microdomain Templates. <i>Macromolecules</i> , 2009, 42, 5272-5277.	4.8	12
53	Reverse relationships of water uptake and alkaline durability with hydrophilicity of imidazolium-based grafted anion-exchange membranes. <i>Soft Matter</i> , 2018, 14, 9118-9131.	2.7	12
54	Three-Component Domains in the Fully Hydrated Nafion Membrane Characterized by Partial Scattering Function Analysis. <i>Macromolecules</i> , 2021, 54, 4128-4135.	4.8	11

#	ARTICLE	IF	CITATIONS
55	Effect of Concentration on the Photoinduced Aggregation of Polymer Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9514-9521.	2.6	10
56	Spatial separation of dual-cocatalysts on bismuth vanadate for selective aerobic oxidation of benzylalcohols to benzaldehydes under visible light irradiation. <i>Catalysis Science and Technology</i> , 2018, 8, 6173-6179.	4.1	9
57	Imidazolium-Based Anion Exchange Membranes for Alkaline Anion Fuel Cells: Interplay between Morphology and Anion Transport Behavior. <i>Journal of the Electrochemical Society</i> , 2019, 166, F472-F478.	2.9	9
58	The Effects of Temperature and Humidity on the Microstructure of Sulfonated Syndiotactic polystyrene Ionic Membranes. <i>Membranes</i> , 2020, 10, 187.	3.0	9
59	Erosion Induced Controllable Release of Gliclazide Encapsulated Inside Degradable Polymeric Particles. <i>Macromolecular Bioscience</i> , 2004, 4, 308-313.	4.1	8
60	In situ and time-resolved ultra small-angle neutron scattering observation on growing poly(methyl methacrylate) polymerization. <i>Journal of Applied Crystallography</i> , 2007, 40, s645-s649.	4.5	8
61	A Pt-Bi bimetallic nanoparticle catalyst for direct electrooxidation of formic acid in fuel cells. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 388-394.	6.0	8
62	A highly-ordered and uniform sunflower-like dendritic silver nanocomplex array as reproducible SERS substrate. <i>RSC Advances</i> , 2015, 5, 3860-3867.	3.6	8
63	SAXS Investigation on Morphological Change in Lamellar Structures During Propagation Steps of Graft-type Polymer Electrolyte Membranes for Fuel Cell Applications. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900325.	2.2	8
64	Order-Disorder Transition of Nanocomposites: Polystyrene-block-Poly(methyl methacrylate) with Palladium Nanoparticles. <i>Macromolecules</i> , 2013, 46, 957-970.	4.8	7
65	Light-Scattering Study of the Aggregation of Syndiotactic Poly(methyl methacrylate) in Solution. <i>ChemPhysChem</i> , 2004, 5, 1745-1749.	2.1	6
66	Hierarchical structure in microbial cellulose: What happens during the drying process. <i>European Physical Journal E</i> , 2014, 37, 129.	1.6	6
67	Small angle neutron scattering study on the morphology of imidazolium-based grafted anion-conducting fuel cell membranes. <i>Physica B: Condensed Matter</i> , 2018, 551, 203-207.	2.7	6
68	Frustrating the lamellar ordering transition of polystyrene-block-polyisoprene with a C60 additive. <i>Journal of Chemical Physics</i> , 2009, 130, 124901.	3.0	5
69	On the Proton Conduction Pathways in Polyelectrolyte Membranes Based on Syndiotactic-Polystyrene. <i>Membranes</i> , 2022, 12, 143.	3.0	5
70	Enhanced Ferroelectric and Piezoelectric Properties in Graphene-Electroded Pb(Zr,Ti)O ₃ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17987-17994.	8.0	5
71	Hierarchical structure of microbial cellulose and marvelous water uptake, investigated by combining neutron scattering instruments at research reactor JRR-3, Tokai. <i>Polymer</i> , 2019, 176, 244-255.	3.8	4
72	Embedding Sulfur Atoms in Decahedron Bismuth Vanadate Crystals with a Soft Chemical Approach for Expanding the Light Absorption Range. <i>ChemCatChem</i> , 2020, 12, 1585-1590.	3.7	4

#	ARTICLE	IF	CITATIONS
73	Designing a Z-scheme system based on photocatalyst panels towards separated hydrogen and oxygen production from overall water splitting. <i>Catalysis Science and Technology</i> , 2022, 12, 572-578.	4.1	4
74	Novel Polymer Clusters with a Uniform Chain Density. <i>Macromolecular Rapid Communications</i> , 2001, 22, 704-707.	3.9	2
75	A hybrid polymer gel and its static nonergodicity. <i>Macromolecular Symposia</i> , 2004, 207, 37-46.	0.7	2
76	Synthesis and Characterization of 4-vinylimidazolium/Styrene-Cografted Anion-Conducting Electrolyte Membranes. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100028.	2.2	2
77	Hydrophobic Effect on Alkaline Stability of Graft Chains in Ammonium-type Anion Exchange Membranes Prepared by Radiation-Induced Graft Polymerization. <i>ChemistrySelect</i> , 2021, 6, 8879-8888.	1.5	2
78	Combining small-angle and intermediate-angle neutron scattering to study the hierarchical structure in microbial cellulose. <i>European Polymer Journal</i> , 2015, 66, 437-443.	5.4	1
79	Imidazolium-Based Grafted Anion Exchange Membranes: Interplay between the Morphology and Anion Transport Behavior. <i>ECS Transactions</i> , 2018, 86, 619-627.	0.5	1
80	A Graphene-Supported Copper Complex as Site-Isolated Catalyst for Electrochemical CO ₂ Reduction. <i>ChemElectroChem</i> , 2022, 9, .	3.4	1
81	A Crafty Utilization of Intermediate-Angle Neutron Scattering and Contrast Variation by Water-Exchange to Study the Microstructure of Microbial Cellulose. , 2015, , .		0
82	Small angle neutron scattering data of polymer electrolyte membranes partially swollen in water. <i>Data in Brief</i> , 2016, 7, 599-603.	1.0	0
83	Imidazolium-Based Grafted Anion Exchange Membranes: Interplay between the Morphology and Anion Transport Behavior. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0