Yuzhou Wu

List of Publications by Year in descending order

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107 papers	3,992 citations	147801 31 h-index	133252 59 g-index
111 all docs	111 docs citations	111 times ranked	6252 citing authors

#	Article	IF	Citations
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	14.6	976
2	Diamond Quantum Devices in Biology. Angewandte Chemie - International Edition, 2016, 55, 6586-6598.	13.8	202
3	A Writable Polypeptideâ€“DNA Hydrogel with Rationally Designed Multiâ€modification Sites. Small, 2015, 11, 1138-1143.	10.0	119
4	Fabrication of Defined Polydopamine Nanostructures by DNA Origamiâ€Templated Polymerization. Angewandte Chemie - International Edition, 2018, 57, 1587-1591.	13.8	100
5	pH-Responsive Quantum Dots via an Albumin Polymer Surface Coating. Journal of the American Chemical Society, 2010, 132, 5012-5014.	13.7	94
6	Receptor selective ruthenium-somatostatin photosensitizer for cancer targeted photodynamic applications. Chemical Communications, 2015, 51, 12552-12555.	4.1	84
7	Programmable Biopolymers for Advancing Biomedical Applications of Fluorescent Nanodiamonds. Advanced Functional Materials, 2015, 25, 6576-6585.	14.9	77
8	Proteinâ€“polymer therapeutics: a macromolecular perspective. Biomaterials Science, 2015, 3, 214-230.	5.4	72
9	Functional DNAâ€“Polymer Conjugates. Chemical Reviews, 2021, 121, 11030-11084.	47.7	72
10	Constructing Hybrid Protein Zymogens through Protective Dendritic Assembly. Angewandte Chemie - International Edition, 2014, 53, 324-328.	13.8	70
11	Bis-sulfide bioconjugates for glutathione triggered tumor responsive drug release. Chemical Communications, 2014, 50, 1116-1118.	4.1	70
12	A Coreâ€“Shell Albumin Copolymer Nanotransporter for High Capacity Loading and Twoâ€Step Release of Doxorubicin with Enhanced Antiâ€Leukemia Activity. Advanced Healthcare Materials, 2013, 2, 884-894.	7.6	69
13	Bioinspired Multifunctional Black Phosphorus Hydrogel with Antibacterial and Antioxidant Properties: A Stepwise Countermeasure for Diabetic Skin Wound Healing. Advanced Healthcare Materials, 2022, 11, e2102791.	7.6	69
14	Fluorescent Nanodiamondâ€“Gold Hybrid Particles for Multimodal Optical and Electron Microscopy Cellular Imaging. Nano Letters, 2016, 16, 6236-6244.	9.1	68
15	Programmable proteinâ€“DNA hybrid hydrogels for the immobilization and release of functional proteins. Chemical Communications, 2014, 50, 14620-14622.	4.1	66
16	DNA-Based Self-Assembly of Fluorescent Nanodiamonds. Journal of the American Chemical Society, 2015, 137, 9776-9779.	13.7	66
17	Water-soluble allyl sulfones for dual site-specific labelling of proteins and cyclic peptides. Chemical Science, 2016, 7, 3234-3239.	7.4	66
18	Bottomâ€Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atomâ€Transfer Radical Polymerization. Angewandte Chemie - International Edition, 2016, 55, 5692-5697.	13.8	64

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19	Spatiotemporally Controlled Release of Rhoâ€Inhibiting C3 Toxin from a Proteinâ€“DNA Hybrid Hydrogel for Targeted Inhibition of Osteoclast Formation and Activity. Advanced Healthcare Materials, 2017, 6, 1700392.	7.6	57
20	Enantioselective Oxidative Phenol-Indole [3 + 2] Coupling Enabled by Biomimetic Mn(III)/BrÃ¸nsted Acid Relay Catalysis. ACS Catalysis, 2019, 9, 7285-7291.	11.2	52
21	Inorganic Nanoparticles Applied as Functional Therapeutics. Advanced Functional Materials, 2021, 31, 2008171.	14.9	51
22	A Quantum Dot Photoswitch for DNA Detection, Gene Transfection, and Liveâ€Cell Imaging. Small, 2012, 8, 3465-3475.	10.0	48
23	Programming Supramolecular Biohybrids as Precision Therapeutics. Accounts of Chemical Research, 2014, 47, 3471-3480.	15.6	43
24	Intracellular Bottomâ€up Synthesis of Ultrasmall CuS Nanodots in Cancer Cells for Simultaneous Photothermal Therapy and COXâ€2 Inactivation. Advanced Functional Materials, 2021, 31, 2101297.	14.9	41
25	Copper-Catalyzed Regioselective Intramolecular Electrophilic Sulfenoamination via Lewis Acid Activation of Disulfides under Aerobic Conditions. Organic Letters, 2018, 20, 4350-4353.	4.6	40
26	The CAM cancer xenograft as a model for initial evaluation of MR labelled compounds. Scientific Reports, 2017, 7, 46690.	3.3	39
27	Dendronized Albumin Coreâ€“Shell Transporters with High Drug Loading Capacity. Biomacromolecules, 2013, 14, 367-376.	5.4	37
28	Polymer tube nanoreactors via DNA-origami templated synthesis. Chemical Communications, 2018, 54, 2808-2811.	4.1	36
29	Unraveling In Vivo Brain Transport of Proteinâ€Coated Fluorescent Nanodiamonds. Small, 2019, 15, e1902992.	10.0	35
30	Designing Squaraine Dyes with Bright Deepâ€Red Aggregationâ€Induced Emission for Specific and Ratiometric Fluorescent Detection of Hypochlorite. Advanced Functional Materials, 2021, 31, 2105452.	14.9	34
31	pH Responsive Janus-like Supramolecular Fusion Proteins for Functional Protein Delivery. Journal of the American Chemical Society, 2013, 135, 17254-17257.	13.7	33
32	A Disulfide Intercalator Toolbox for the Siteâ€Directed Modification of Polypeptides. Chemistry - A European Journal, 2015, 21, 228-238.	3.3	33
33	Enhancing cellular uptake of GFP via unfolded supercharged protein tags. Biomaterials, 2013, 34, 4360-4367.	11.4	32
34	Biocatalytic Cross-Coupling of Aryl Halides with a Genetically Engineered Photosensitizer Artificial Dehalogenase. Journal of the American Chemical Society, 2021, 143, 617-622.	13.7	32
35	Mitochondrion-targeted selenium nanoparticles enhance reactive oxygen species-mediated cell death. Nanoscale, 2020, 12, 1389-1396.	5.6	31
36	Convenient Approach to Polypeptide Copolymers Derived from Native Proteins. Biomacromolecules, 2012, 13, 1890-1898.	5.4	30

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37	Bottomâ€Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atomâ€Transfer Radical Polymerization. Angewandte Chemie, 2016, 128, 5786-5791.	2.0	29
38	Fine Customization of Calcium Phosphate Nanostructures with Site-Specific Modification by DNA Templated Mineralization. ACS Nano, 2021, 15, 1555-1565.	14.6	29
39	A Polyphenylene Dendrimer Drug Transporter with Precisely Positioned Amphiphilic Surface Patches. Advanced Healthcare Materials, 2015, 4, 377-384.	7.6	28
40	Nano-Sized Albumin-Copolymer Micelles for Efficient Doxorubicin Delivery. Biointerphases, 2012, 7, 5.	1.6	25
41	Cross-conjugation of DNA, proteins and peptides via a pH switch. Chemical Science, 2013, 4, 1889.	7.4	25
42	Fabrication of Defined Polydopamine Nanostructures by DNA Origamiâ€Templated Polymerization. Angewandte Chemie, 2018, 130, 1603-1607.	2.0	25
43	Efficient Delivery of p53 and Cytochrome C by Supramolecular Assembly of a Dendritic Multiâ€Domain Delivery System. Advanced Healthcare Materials, 2013, 2, 1620-1629.	7.6	24
44	Enzymatically synthesised MnO₂ nanoparticles for efficient near-infrared photothermal therapy and dual-responsive magnetic resonance imaging. Nanoscale, 2021, 13, 11093-11103.	5.6	24
45	Catalytic Atroposelective Electrophilic Amination of Indoles. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
46	Rhodium-catalyzed aminohydroxylation of unactivated alkenes in aqueous media for the benign synthesis of 1,2-amino alcohols. Green Chemistry, 2019, 21, 780-784.	9.0	23
47	Directing intracellular supramolecular assembly with N-heteroaromatic quaterthiophene analogues. Nature Communications, 2017, 8, 1850.	12.8	22
48	Assembly of C3a-Peroxylated Pyrroloindolines via Interrupted Witkop Oxidation. Organic Letters, 2018, 20, 7937-7941.	4.6	22
49	Patchy Amphiphilic Dendrimers Bind Adenovirus and Control Its Host Interactions and in Vivo Distribution. ACS Nano, 2019, 13, 8749-8759.	14.6	22
50	Cationic Albumin Encapsulated DNA Origami for Enhanced Cellular Transfection and Stability. Materials, 2019, 12, 949.	2.9	22
51	Precision Biopolymers from Protein Precursors for Biomedical Applications. Macromolecular Rapid Communications, 2013, 34, 380-392.	3.9	21
52	Amphiphilic Polyphenylene Dendron Conjugates for Surface Remodeling of Adenovirusâ€…5. Angewandte Chemie - International Edition, 2020, 59, 5712-5720.	13.8	20
53	Silk Fibroin-Confined Star-Shaped Decahedral Silver Nanoparticles as Fluorescent Probe for Detection of Cu²⁺ and Pyrophosphate. ACS Biomaterials Science and Engineering, 2020, 6, 2770-2777.	5.2	20
54	Controlling Cellular Uptake and Toxicity of Polyphenylene Dendrimers by Chemical Functionalization. ChemBioChem, 2017, 18, 960-964.	2.6	18

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55	Unified and Benign Synthesis of Spirooxindoles via Bifunctional and Recyclable Iodideâ€Saltâ€Catalyzed Oxidative Coupling in Water. European Journal of Organic Chemistry, 2019, 2019, 6028-6033.	2.4	18
56	Bioinspired radical cyclization of tryptamines: synthesis of peroxypyrroloindolenines as potential anti-cancer agents. Chemical Communications, 2019, 55, 63-66.	4.1	18
57	Selenium nanoparticles inhibit the formation of atherosclerosis in apolipoprotein E deficient mice by alleviating hyperlipidemia and oxidative stress. European Journal of Pharmacology, 2021, 902, 174120.	3.5	18
58	Hostâ€“guest interactions in polycationic human serum albumin bioconjugates. Soft Matter, 2012, 8, 11106.	2.7	17
59	NIR-emitting and photo-thermal active nanogold as mitochondria-specific probes. Biomaterials Science, 2017, 5, 966-971.	5.4	17
60	GaInN Quantum Wells as Optochemical Transducers for Chemical Sensors and Biosensors. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 15-23.	2.9	16
61	Synergistic Catalysis-Enabled Thia-Aza-Prins Cyclization with DMSO and Disulfides: Entry to Sulfenylated 1,3-Oxazinanes and Oxazolidines. Organic Letters, 2018, 20, 5899-5904.	4.6	15
62	Highâ€Contrast Magnetic Resonance Imaging and Efficient Delivery of an Albumin Nanotheranostic in Tripleâ€Negative Breast Cancer Xenografts. Advanced Therapeutics, 2019, 2, 1900084.	3.2	15
63	Alleviating Catalyst Decay Enables Efficient Intermolecular C(sp³)â€“H Amination under Mechanochemical Conditions. ACS Sustainable Chemistry and Engineering, 2021, 9, 1684-1691.	6.7	15
64	Self-Assembly of High Molecular Weight Polypeptide Copolymers Studied via Diffusion Limited Aggregation. Biomacromolecules, 2014, 15, 219-227.	5.4	14
65	Construction of tunable peptide nucleic acid junctions. Chemical Communications, 2018, 54, 2846-2849.	4.1	14
66	Hemin-catalyzed biomimetic oxidative phenolâ€“indole [3 + 2] reactions in aqueous media. Organic and Biomolecular Chemistry, 2019, 17, 9994-9998.	2.8	14
67	Nanodiamonds for Biological Applications. ChemistrySelect, 2017, 2, .	1.5	13
68	DNA-Programmed Chemical Synthesis of Polymers and Inorganic Nanomaterials. Topics in Current Chemistry, 2020, 378, 31.	5.8	12
69	Long-term administration of low-dose selenium nanoparticles with different sizes aggravated atherosclerotic lesions and exhibited toxicity in apolipoprotein E-deficient mice. Chemico-Biological Interactions, 2021, 347, 109601.	4.0	12
70	Comparison of Selenium Nanoparticles and Sodium Selenite on the Alleviation of Early Atherosclerosis by Inhibiting Endothelial Dysfunction and Inflammation in Apolipoprotein E-Deficient Mice. International Journal of Molecular Sciences, 2021, 22, 11612.	4.1	12
71	An efficient route to vinyl substituted oxadiazoles and triazoles using phenylselanyl derivatives as precursor. Tetrahedron, 2007, 63, 7866-7873.	1.9	11
72	pH responsive supramolecular core-shell protein hybrids. Supramolecular Chemistry, 2016, 28, 742-746.	1.2	11

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73	Collagen mineralization and its applications in hard tissue repair. Materials Chemistry Frontiers, 2021, 5, 7071-7087.	5.9	11
74	Improved Synthesis of 1â€Glycosyl Thioacetates and Its Application in the Synthesis of Thioglucoside Gliflozin Analogues. European Journal of Organic Chemistry, 2021, 2021, 2940-2949.	2.4	11
75	DNA Transformations for Diagnosis and Therapy. Advanced Functional Materials, 2021, 31, 2008279.	14.9	11
76	Engineering surface patterns on nanoparticles: new insights into nano-bio interactions. Journal of Materials Chemistry B, 2022, 10, 2357-2383.	5.8	11
77	Properties and Mechanisms of Flavin-Dependent Monooxygenases and Their Applications in Natural Product Synthesis. International Journal of Molecular Sciences, 2022, 23, 2622.	4.1	11
78	Multifunctional Polypeptideâ€“PEO Nanoreactors via the Hydrophobic Switch. Macromolecular Rapid Communications, 2012, 33, 1474-1481.	3.9	10
79	Polymer coated nanodiamonds as gemcitabine prodrug with enzymatic sensitivity for pancreatic cancer treatment. Progress in Natural Science: Materials International, 2020, 30, 711-717.	4.4	10
80	Fine and bidirectional regulation of toehold-mediated DNA strand displacement by a wedge-like DNA tool. Chemical Communications, 2020, 56, 8794-8797.	4.1	10
81	Harnessing structurally unbiasedortho-benzoquinone monoimine for biomimetic oxidative [4+2] cycloaddition with enamines. Chemical Communications, 2020, 56, 5965-5968.	4.1	8
82	Programmed albumin nanoparticles regulate immunosuppressive pivot to potentiate checkpoint blockade cancer immunotherapy. Nano Research, 2022, 15, 593-602.	10.4	8
83	A Supramolecular Approach toward Bioinspired PAMAMâ€Dendronized Fusion Toxins. Macromolecular Bioscience, 2016, 16, 803-810.	4.1	7
84	Regioselectivity and stereoselectivity of intramolecular [2 + 2] photocycloaddition catalyzed by chiral thioxanthone: a quantum chemical study. Organic and Biomolecular Chemistry, 2021, 19, 1532-1540.	2.8	7
85	Chemical Modification for the â€œOffâ€/Onâ€•Regulation of Enzyme Activity. Macromolecular Rapid Communications, 2022, 43, e2200195.	3.9	7
86	Catalytic Atroposelective ElectrophilicÂAmination of Indoles. Angewandte Chemie, 0, , .	2.0	7
87	An Efficient Approach for Preparing Giant Polypeptide Triblock Copolymers by Protein Dimerization. Macromolecular Rapid Communications, 2012, 33, 1304-1309.	3.9	6
88	Self-assembling oligothiopheneâ€“bolaamphiphiles for loading and controlled release of doxorubicin into living cells. Chemical Communications, 2016, 52, 3235-3238.	4.1	6
89	Synthesis and bioconjugation of first alkynylated poly(dithieno[3,2-b:2â€²,3â€²-d]pyrrole)s. Polymer Chemistry, 2017, 8, 7113-7118.	3.9	6
90	Defined positive charge patterns created on DNA nanostructures determine cellular uptake efficiency. Nano Letters, 2022, 22, 5330-5338.	9.1	6

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91	PEGylated Cationic Serum Albumin for Boosting Retroviral Gene Transfer. ChemBioChem, 2016, 17, 1504-1508.	2.6	5
92	Manganese(II) Oxidizing Bacteria as Whole-Cell Catalyst for Î²-Keto Ester Oxidation. International Journal of Molecular Sciences, 2020, 21, 1709.	4.1	5
93	Synthesis of Î±-indolylacrylates as potential anticancer agents using a BrÃ¸nsted acid ionic liquid catalyst and the butyl acetate solvent. RSC Advances, 2020, 10, 13507-13516.	3.6	4
94	QM/MM Calculations Suggested Concerted Oâ€'O Bond Cleavage and Substrate Oxidation by Nonheme Diiron Toluene/oâ€xylene Monooxygenase. Chemistry - an Asian Journal, 0, , .	3.3	4
95	Diamantâ€Quantensensoren in der Biologie. Angewandte Chemie, 2016, 128, 6696-6709.	2.0	3
96	Encoding function into polypeptide-oligonucleotide precision biopolymers. Chemical Communications, 2018, 54, 11797-11800.	4.1	3
97	DNA origamiâ€based nanoâ€hunter enriches lowâ€abundance point mutations by targeting wild-type gene segments. Chinese Chemical Letters, 2022, 33, 2052-2056.	9.0	3
98	In situ synthesis of fluorescent polydopamine on biogenic MnO₂ nanoparticles as stimuli responsive multifunctional theranostics. Biomaterials Science, 2021, 9, 5897-5906.	5.4	3
99	Amphiphilic Polyphenylene Dendron Conjugates for Surface Remodeling of Adenovirusâ€...5. Angewandte Chemie, 2020, 132, 5761-5769.	2.0	2
100	Digital Numbers Constructed by Fine Patterned Polydopamine on DNA Templates. Macromolecular Rapid Communications, 2021, 42, 2100441.	3.9	2
101	DNA-Programmed Chemical Synthesis of Polymers and Inorganic Nanomaterials. Topics in Current Chemistry Collections, 2020, , 57-81.	0.5	2
102	Polymer Complexes in Biological Applications. Advances in Polymer Science, 2013, , 211-235.	0.8	1
103	Biopolymers: Programmable Biopolymers for Advancing Biomedical Applications of Fluorescent Nanodiamonds (Adv. Funct. Mater. 42/2015). Advanced Functional Materials, 2015, 25, 6558-6558.	14.9	0
104	Frontispiz: Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€...Situ Atom-Transfer Radical Polymerization. Angewandte Chemie, 2016, 128, .	2.0	0
105	Frontispiece: Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€...Situ Atom-Transfer Radical Polymerization. Angewandte Chemie - International Edition, 2016, 55, .	13.8	0
106	8. Nanodiamonds for Biological Applications. , 2017, , .		0
107	Converting Human Proteins into Precision Polymer Therapeutics. Current Pharmaceutical Design, 2016, 22, 2866-2872.	1.9	0