

Wenjing Yang

List of Publications by Year in descending order

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39
papers

2,666
citations

304743

22
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

4421
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopamine-Induced Reduction and Functionalization of Graphene Oxide Nanosheets. <i>Macromolecules</i> , 2010, 43, 8336-8339.	4.8	719
2	Polymer brush coatings for combating marine biofouling. <i>Progress in Polymer Science</i> , 2014, 39, 1017-1042.	24.7	401
3	Biomimetic Anchors for Antifouling and Antibacterial Polymer Brushes on Stainless Steel. <i>Langmuir</i> , 2011, 27, 7065-7076.	3.5	184
4	Antifouling and antibacterial hydrogel coatings with self-healing properties based on a dynamic disulfide exchange reaction. <i>Polymer Chemistry</i> , 2015, 6, 7027-7035.	3.9	131
5	Highly Biocompatible Chlorin e6-Loaded Chitosan Nanoparticles for Improved Photodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9980-9987.	8.0	103
6	Layer-by-Layer Click Deposition of Functional Polymer Coatings for Combating Marine Biofouling. <i>Biomacromolecules</i> , 2012, 13, 2769-2780.	5.4	98
7	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. <i>Polymer Chemistry</i> , 2013, 4, 3105.	3.9	95
8	Barnacle Cement as Surface Anchor for "Clicking" of Antifouling and Antimicrobial Polymer Brushes on Stainless Steel. <i>Biomacromolecules</i> , 2013, 14, 2041-2051.	5.4	94
9	Nanogel-Incorporated Injectable Hydrogel for Synergistic Therapy Based on Sequential Local Delivery of Combretastatin-A4 Phosphate (CA4P) and Doxorubicin (DOX). <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18560-18573.	8.0	82
10	Evaluation of toxic effects of CdTe quantum dots on the reproductive system in adult male mice. <i>Biomaterials</i> , 2016, 96, 24-32.	11.4	70
11	Functional polymer brushes <i>via</i> surface-initiated atom transfer radical graft polymerization for combating marine biofouling. <i>Biofouling</i> , 2012, 28, 895-912.	2.2	59
12	Poly(vinylidene fluoride) Membranes with Hyperbranched Antifouling and Antibacterial Polymer Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15962-15973.	3.7	49
13	Density functional theory study of the aluminium(iii) hydrolysis in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2396.	2.8	45
14	Efficient biofunctionalization of MoS ₂ nanosheets with peptides as intracellular fluorescent biosensor for sensitive detection of caspase-3 activity. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 96-105.	9.4	44
15	Molybdenum disulfide (MoS ₂) nanosheets-based hydrogels with light-triggered self-healing property for flexible sensors. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 601-612.	9.4	40
16	Preparation of jellyfish-shaped amphiphilic block-graft copolymers consisting of a poly(ϵ -caprolactone)-block-poly(pentafluorostyrene) ring and poly(ethylene glycol) lateral brushes. <i>Polymer Chemistry</i> , 2012, 3, 1061.	3.9	39
17	Theoretical Investigation of Water Exchange on the Nanometer-Sized Polyoxocation $\text{AlO}_4\text{Al}_{12}(\text{OH})_{24}(\text{H}_2\text{O})_{12}^{7+}$ (Keggin- Al_{13}) in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2008, 130, 14402-14403.	13.7	36
18	Preparation of stimuli-responsive hydrogel networks with threaded β -cyclodextrin end-capped chains via combination of controlled radical polymerization and click chemistry. <i>Soft Matter</i> , 2012, 8, 5612.	2.7	33

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19	Multi-functionalization of poly(vinylidene fluoride) membranes via combined "grafting from" and "grafting to" approaches. <i>Soft Matter</i> , 2011, 7, 11133.	2.7	32
20	Photoinduced anchoring and micropatterning of macroinitiators on polyurethane surfaces for graft polymerization of antifouling brush coatings. <i>Journal of Materials Chemistry B</i> , 2014, 2, 398-408.	5.8	31
21	Hyaluronidase-responsive phototheranostic nanoagents for fluorescence imaging and photothermal/photodynamic therapy of methicillin-resistant <i>Staphylococcus aureus</i> infections. <i>Biomaterials Science</i> , 2021, 9, 4484-4495.	5.4	30
22	"Click" functionalization of dual stimuli-responsive polymer nanocapsules for drug delivery systems. <i>Polymer Chemistry</i> , 2017, 8, 3056-3065.	3.9	28
23	Glutathione-Induced Structural Transform of Double-Cross-Linked PEGylated Nanogel for Efficient Intracellular Anticancer Drug Delivery. <i>Molecular Pharmaceutics</i> , 2019, 16, 2826-2837.	4.6	22
24	Assessment of the Accuracy of Theoretical Methods for Calculating ²⁷ Al Nuclear Magnetic Resonance Shielding Tensors of Aquated Aluminum Species. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5138-5143.	2.5	21
25	Density functional theory study and kinetic analysis of the formation mechanism of Al ₃₀ O ₈ (OH) ₅₆ (H ₂ O) ₂₆₁₈₊ (Al ₃₀) in aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1220-1229.	3.9	18
26	Negative differential resistance and hysteresis in graphene-based organic light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1926-1932.	5.5	18
27	Theoretical exploration of the water exchange mechanism of the polyoxocation GaO ₄ Al ₁₂ (OH) ₂₄ (H ₂ O) ₁₂₇₊ in aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1588-1596.	3.9	17
28	Nonadiabatic Curve-Crossing Model for the Visible-Light Photoredox Catalytic Generation of Radical Intermediate via a Concerted Mechanism. <i>ACS Catalysis</i> , 2018, 8, 7388-7396.	11.2	17
29	Density Functional Investigation of the Water Exchange Reaction on the Gibbsite Surface. <i>Environmental Science & Technology</i> , 2009, 43, 9281-9286.	10.0	16
30	Density Functional Theory Study on Aqueous Aluminum ^{III} Fluoride Complexes: Exploration of the Intrinsic Relationship between Water-Exchange Rate Constants and Structural Parameters for Monomer Aluminum Complexes. <i>Environmental Science & Technology</i> , 2011, 45, 288-293.	10.0	15
31	Density functional studies of the structural characteristics, ²⁷ Al NMR chemical shifts and water-exchange reactions of Al ₃₀ O ₈ (OH) ₅₆ (H ₂ O) ₂₆₁₈₊ (Al ₃₀) in aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1230-1237.	3.9	14
32	Gut microbiota and lipid metabolism alterations in mice induced by oral cadmium telluride quantum dots. <i>Journal of Applied Toxicology</i> , 2020, 40, 1131-1140.	2.8	13
33	A hybrid polyvinyl alcohol/molybdenum disulfide nanosheet hydrogel with light-triggered rapid self-healing capability. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2266-2274.	5.8	11
34	Versatile functionalization of surface-tailorable polymer nanohydrogels for drug delivery systems. <i>Biomaterials Science</i> , 2019, 7, 247-261.	5.4	10
35	A nanoparticle-containing polycaprolactone implant for combating post-resection breast cancer recurrence. <i>Nanoscale</i> , 2021, 13, 14417-14425.	5.6	7
36	Two-stage thiol-based click reactions for the preparation and adhesion of hydrogels. <i>Polymer Chemistry</i> , 2020, 11, 2986-2994.	3.9	6

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37	Synthesis of water-soluble europium-containing nanoprobe via polymerization-induced self-assembly and their cellular imaging applications. <i>Talanta</i> , 2021, 232, 122182.	5.5	6
38	Europium(III)-containing nanohydrogels for cellular imaging and drug delivery applications. <i>Polymer Chemistry</i> , 2021, 12, 4159-4166.	3.9	5
39	Electrochemical behavior of lactate dehydrogenase immobilized on silica gel/nanometre-sized tridecameric aluminium polycation-modified gold electrode and its application. <i>Analyst</i> , 2009, 134, 1392.	3.5	4