Tianying Guo

List of Publications by Year in descending order

51 papers	1,929 citations	236925 25 h-index	243625 44 g-index
51 all docs	51 docs citations	51 times ranked	3035 citing authors

#	Article	IF	Citations
1	Construction of waterborne superhydrophobic coatings with controlled waterâ€droplet adhesion. Journal of Applied Polymer Science, 2022, 139, 51482.	2.6	2
2	Bioreducible Zinc (II)-Coordinative Polyethylenimine with Low Molecular Weight for Robust Gene Delivery of Primary and Stem Cells. Biomaterial Engineering, 2022, , 381-393.	0.2	0
3	Facile in-situ strategy for incorporating amphoteric dopamine into metalâ€“organic framework with optimized degradation capacity of nerve agents simulant. Chemical Engineering Journal, 2022, 448, 137702.	12.7	9
4	Zn(<scp>ii</scp>)-Dipicolylamine analogues with amphiphilic side chains endow low molecular weight PEI with high transfection performance. Biomaterials Science, 2021, 9, 3090-3099.	5.4	2
5	Zinc(II)â€Dipicolylamine Analogs Mediated PEI1.8k/pDNA Vector: Effect of Ligand Structure on the Gene Transport Process. Macromolecular Bioscience, 2021, 21, 2100048.	4.1	0
6	Ag(I) Pyridineâ€“Amidoxime Complex as the Catalysis Activity Domain for the Rapid Hydrolysis of Organothiophosphate-Based Nerve Agents: Mechanistic Evaluation and Application. ACS Applied Materials & Interfaces, 2021, 13, 34428-34437.	8.0	7
7	Zinc(II)-Cyclen Multifunctional Complex Module-Mediated Polycation-Based High-Performance pDNA Vectors. ACS Biomaterials Science and Engineering, 2021, 7, 5678-5689.	5.2	2
8	Bioreducible Zinc (II)-Coordinative Polyethylenimine with Low Molecular Weight for Robust Gene Delivery of Primary and Stem Cells. Biomaterial Engineering, 2021, , 1-13.	0.2	0
9	Highly branched Âpoly(Î²-amino ester)Âdelivery of minicircle DNA for transfection of neurodegenerativeÂdisease related cells. Nature Communications, 2019, 10, 3307.	12.8	80
10	Rapid hydrolysis of nerve agent simulants by molecularly imprinted porous crosslinked polymer incorporating mononuclear zinc(II)-picolinamine-amidoxime module. Journal of Catalysis, 2019, 380, 83-90.	6.2	13
11	Multifunctional oligomer immobilized on quartz crystal microbalance: a facile and stabilized molecular imprinting strategy for glycoprotein detection. Analytical and Bioanalytical Chemistry, 2019, 411, 3941-3949.	3.7	4
12	Star Block Copolymer Nanoassemblies: Block Sequence is All-Important. Macromolecules, 2019, 52, 718-728.	4.8	39
13	Molecularly imprinted nanocapsule mimicking phosphotriesterase for the catalytic hydrolysis of organophosphorus pesticides. European Polymer Journal, 2019, 110, 1-8.	5.4	37
14	Zinc Coordinated Cationic Polymers Break Up the Paradox between Low Molecular Weight and High Transfection Efficacy. Biomacromolecules, 2018, 19, 4270-4276.	5.4	11
15	Influence of Solvophilic Homopolymers on RAFT Polymerization-Induced Self-Assembly. Macromolecules, 2018, 51, 4397-4406.	4.8	48
16	Zinc Coordination Substitute Amine: A Noncationic Platform for Efficient and Safe Gene Delivery. ACS Macro Letters, 2018, 7, 868-874.	4.8	24
17	Virus Spike and Membrane-Lytic Mimicking Nanoparticles for High Cell Binding and Superior Endosomal Escape. ACS Applied Materials & Interfaces, 2018, 10, 23630-23637.	8.0	31
18	Topology Affecting Block Copolymer Nanoassemblies: Linear Block Copolymers versus Star Block Copolymers under PISA Conditions. Macromolecules, 2018, 51, 5440-5449.	4.8	55

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19	Facile Fabrication of Superhydrophobic Nanocomposite Coatings Based on Waterâ€Based Emulsion Latex. Advanced Materials Interfaces, 2018, 5, 1800207.	3.7	8
20	Alkylated branched poly(Î²-amino esters) demonstrate strong DNA encapsulation, high nanoparticle stability and robust gene transfection efficacy. Journal of Materials Chemistry B, 2017, 5, 5307-5310.	5.8	27
21	Bioreducible Zinc(II)-Coordinative Polyethylenimine with Low Molecular Weight for Robust Gene Delivery of Primary and Stem Cells. Journal of the American Chemical Society, 2017, 139, 5102-5109.	13.7	127
22	RAFT synthesis and micellization of a photo-, temperature- and pH-responsive diblock copolymer based on spiropyran. Polymer Chemistry, 2017, 8, 7325-7332.	3.9	20
23	Biodegradable Highly Branched Poly(Î²-Amino Ester)s for Targeted Cancer Cell Gene Transfection. ACS Biomaterials Science and Engineering, 2017, 3, 1283-1286.	5.2	55
24	Multifunctional oligomer incorporation: a potent strategy to enhance the transfection activity of poly(<scp>l</scp>-lysine). Biomaterials Science, 2016, 4, 522-532.	5.4	35
25	N,N,N-trimethylchitosan modified with well defined multifunctional polymer modules used as pDNA delivery vector. Carbohydrate Polymers, 2016, 137, 222-230.	10.2	10
26	Fluorescently labeled degradable thermoplastic polyurethane elastomers: Visual evaluation for the degradation behavior. Journal of Applied Polymer Science, 2015, 132, .	2.6	4
27	Novel imprinted nanocapsule with highly enhanced hydrolytic activity for organophosphorus pesticide degradation and elimination. European Polymer Journal, 2015, 72, 190-201.	5.4	22
28	Polycation-Based Ternary Gene Delivery System. Current Drug Metabolism, 2015, 16, 152-165.	1.2	6
29	One-step synthesis of reactant-product-dual-template imprinted capsules as phosphotriesterase mimetic enzymes for pesticide elimination. RSC Advances, 2014, 4, 7881.	3.6	13
30	Evaluation of the effects of amphiphilic oligomers in PEI based ternary complexes on the improvement of pDNA delivery. Journal of Materials Chemistry B, 2014, 2, 5387-5396.	5.8	13
31	Construction of a novel macroporous imprinted biosensor based on quartz crystal microbalance for ribonuclease Adetection. Biosensors and Bioelectronics, 2013, 42, 80-86.	10.1	34
32	Gene delivery of PEI incorporating with functional block copolymer via non-covalent assembly strategy. Acta Biomaterialia, 2013, 9, 5003-5012.	8.3	30
33	A dual-template imprinted capsule with remarkably enhanced catalytic activity for pesticide degradation and elimination simultaneously. Chemical Communications, 2013, 49, 1073-1075.	4.1	65
34	In situ preparation of transparent polyimide nanocomposite with a small load of graphene oxide. Journal of Applied Polymer Science, 2013, 128, 3163-3169.	2.6	19
35	PLL/pDNA/P(His-co-DMAEL) ternary complexes: assembly, stability and gene delivery. Journal of Materials Chemistry, 2012, 22, 10743.	6.7	36
36	The effects of a multifunctional oligomer and its incorporation strategies on the gene delivery efficiency of poly(l-lysine). Chemical Communications, 2012, 48, 4594.	4.1	26

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37	Synthesis and evaluation of a moisture-promoted healing copolymer. Polymer, 2012, 53, 2979-2990.	3.8	28
38	4-Nitrophenol surface molecularly imprinted polymers based on multiwalled carbon nanotubes for the elimination of paraoxon pollution. Journal of Hazardous Materials, 2012, 227-228, 243-249.	12.4	41
39	Glycopolymer modification on physicochemical and biological properties of poly(l-lysine) for gene delivery. International Journal of Biological Macromolecules, 2012, 50, 965-973.	7.5	34
40	The target gene carrying validity to HePG2 cells with the brush-like glutathione modified chitosan compound. Carbohydrate Polymers, 2012, 89, 46-53.	10.2	6
41	A novel glutathione modified chitosan conjugate for efficient gene delivery. Journal of Controlled Release, 2011, 154, 177-188.	9.9	60
42	Surface hydrophilic modification with a sugar moiety for a uniform-sized polymer molecularly imprinted for phenobarbital in serum. Acta Biomaterialia, 2011, 7, 3086-3093.	8.3	47
43	Genipin-crosslinked hydrophobical chitosan microspheres and their interactions with bovine serum albumin. Carbohydrate Polymers, 2011, 83, 2016-2021.	10.2	31
44	Surface imprinted macroporous film for high performance protein recognition in combination with quartz crystal microbalance. Sensors and Actuators B: Chemical, 2011, 153, 96-102.	7.8	35
45	Infrared-Triggered Actuators from Graphene-Based Nanocomposites. Journal of Physical Chemistry C, 2009, 113, 9921-9927.	3.1	355
46	Microwave Absorption of Single-Walled Carbon Nanotubes/Soluble Cross-Linked Polyurethane Composites. Journal of Physical Chemistry C, 2007, 111, 13696-13700.	3.1	324
47	Preparation and properties of core [poly(styrene-n-butyl acrylate)]â€“shell [poly(styreneâ€“methyl) Tj ETQq1 1 0.784314 rgBT /Overlock characteristics. Journal of Applied Polymer Science, 2006, 100, 1824-1830.	2.6	31
48	Compatibilizing Effect of Poly(Styrene-block-2-Vinylpyridine) Copolymer on Polystyrene/Ethylene-Based Ionomer Resin Blends. International Journal of Polymeric Materials and Polymeric Biomaterials, 2005, 54, 199-211.	3.4	1
49	NOVEL NANOSIZE POLYMER LATEXES PREPARED BY A CORE-SHELL MICROEMULSION COPOLYMERIZATION: PREPARATION AND CHARACTERIZATION. International Journal of Polymeric Materials and Polymeric Biomaterials, 2005, 54, 279-291.	3.4	4
50	Amphiphilic poly(styrene-b-ethylene oxide)-block-copolymer-intercalated layered silicate and its nanocomposites with acrylonitrile-butadiene- styrene resin. Journal of Applied Polymer Science, 2004, 94, 238-242.	2.6	9
51	Nanosize polymer latices made by microemulsion copolymerization: Preparation and characterization. Journal of Applied Polymer Science, 2003, 90, 3625-3630.	2.6	9