

Tao Zhang

List of Publications by Year in descending order

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48
papers

1,187
citations

471371

17
h-index

377752

34
g-index

48
all docs

48
docs citations

48
times ranked

1925
citing authors

#	ARTICLE	IF	CITATIONS
1	Contributions of altered permeability of intestinal barrier and defecation behavior to toxicity formation from graphene oxide in nematode <i>Caenorhabditis elegans</i> . <i>Nanoscale</i> , 2013, 5, 9934.	2.8	170
2	Aqueous acid-based synthesis of lead-free tin halide perovskites with near-unity photoluminescence quantum efficiency. <i>Chemical Science</i> , 2019, 10, 4573-4579.	3.7	109
3	Synthesis and Properties of Novel Polyurethane~Urea/Multiwalled Carbon Nanotube Composites. <i>Macromolecules</i> , 2006, 39, 3540-3545.	2.2	83
4	Comparison of cytotoxic and inflammatory responses of pristine and functionalized multi-walled carbon nanotubes in RAW 264.7 mouse macrophages. <i>Journal of Hazardous Materials</i> , 2012, 219-220, 203-212.	6.5	81
5	Effect of chain density and conformation on protein adsorption at PEG-grafted polyurethane surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 61, 237-243.	2.5	80
6	Synthesis, properties of fullerene-containing polyurethane~urea and its optical limiting absorption. <i>Polymer</i> , 2003, 44, 2647-2654.	1.8	44
7	Effects of Subchronic Exposure to Multi-Walled Carbon Nanotubes on Mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2010, 73, 463-470.	1.1	42
8	Systemic and immunotoxicity of pristine and PEGylated multi-walled carbon nanotubes in an intravenous 28 days repeated dose toxicity study. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 1539-1554.	3.3	39
9	Surface modification of multiwall carbon nanotubes determines the pro-inflammatory outcome in macrophage. <i>Journal of Hazardous Materials</i> , 2015, 284, 73-82.	6.5	38
10	Carboxybetaine Methacrylate-Modified Nylon Surface for Circulating Tumor Cell Capture. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4550-4559.	4.0	37
11	A polyethylenimine-based diazeniumdiolate nitric oxide donor accelerates wound healing. <i>Biomaterials Science</i> , 2019, 7, 1607-1616.	2.6	36
12	Structural Evolution of Polymer-Stabilized Double Emulsions. <i>Langmuir</i> , 2006, 22, 67-73.	1.6	34
13	Novel biocompatible waterborne polyurethane using L-lysine as an extender. <i>Journal of Applied Polymer Science</i> , 2002, 84, 2474-2480.	1.3	33
14	Synthesis, characterization and cytotoxicity of phosphoryl choline-grafted water-soluble carbon nanotubes. <i>Carbon</i> , 2008, 46, 1782-1791.	5.4	32
15	Synthesis, characterization and cytotoxicity of phosphorylcholine oligomer grafted graphene oxide. <i>Carbon</i> , 2014, 71, 166-175.	5.4	31
16	Atomic layer deposition enhanced grafting of phosphorylcholine on stainless steel for intravascular stents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 238-247.	2.5	21
17	Carboxybetaine methacrylate oligomer modified nylon for circulating tumor cells capture. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 135-143.	5.0	20
18	Non-covalent hydrophilization of reduced graphene oxide used as a paclitaxel vehicle. <i>RSC Advances</i> , 2016, 6, 30184-30193.	1.7	18

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19	The Development of Carotid Stent Material. <i>Interventional Neurology</i> , 2014, 3, 67-77.	1.8	17
20	Phosphoryl choline-grafted water-soluble carbon nanotube. <i>Chinese Chemical Letters</i> , 2008, 19, 105-109.	4.8	16
21	ALD mediated heparin grafting on nitinol for self-expanded carotid stents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 390-398.	2.5	15
22	Synthesis and properties of self-crosslinkable polyurethane-urea with silsesquioxane formation. <i>Journal of Applied Polymer Science</i> , 2004, 91, 190-195.	1.3	14
23	Preparation of Cationic Surfactant Intercalated Graphene Oxide and Quantitative Determination of the Interlamellar Spacing. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 196-202.	1.0	14
24	THIRD-ORDER NONLINEARITIES AND OPTICAL LIMITING OF C60 POLYURETHANE-UREA FILMS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 45-54.	1.1	12
25	Polyethylene glycol acrylate-grafted polysulphone membrane for artificial lungs: plasma modification and haemocompatibility improvement. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 065022.	1.7	12
26	Effect of Euphorbia factor L1 on intestinal barrier impairment and defecation dysfunction in <i>Caenorhabditis elegans</i> . <i>Phytomedicine</i> , 2019, 65, 153102.	2.3	12
27	Degradation and drug delivery properties of poly(1,4-cyclohexanedicarboxylic anhydride). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001, 12, 491-501.	1.9	11
28	Preparation and Biodistribution of Tyrosine Modified Multiwall Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 8508-8515.	0.9	11
29	In vivo evaluation of acute toxicity of water-soluble carbon nanotubes. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 603-615.	0.6	11
30	Functional, UV-curable coating for the capture of circulating tumor cells. <i>Biomaterials Science</i> , 2019, 7, 2383-2393.	2.6	11
31	Synthesis and characterization of phosphoryl-choline-capped poly(ϵ -caprolactone)-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlo <i>Science, Polymer Edition</i> , 2008, 19, 509-524.	1.9	10
32	Comparative Studies on Hydrophilic and Hydrophobic Segments Grafted Poly(vinyl chloride). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 604-611.	2.0	10
33	Synthesis, degradation, and drug delivery of cycloaliphatic poly(ester anhydride)s. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2509-2514.	1.3	9
34	Preparation and Characterization of Irinotecan Loaded Cross-Linked Bovine Serum Albumin Beads for Liver Cancer Chemoembolization Therapy. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-8.	1.2	9
35	Synthesis, Characterization and Biomedical Properties of UV-Cured Polyurethane Acrylates Containing a Phosphorylcholine Structure. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 2089-2104.	1.9	8
36	Investigation on Relaxational Behavior of Alkylammonium Ions Intercalated in Graphite Oxide. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17438-17443.	1.5	8

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37	Phosphorylcholine oligomer-grafted graphene oxide for tumor-targeting doxorubicin delivery. RSC Advances, 2017, 7, 41675-41685.	1.7	8
38	Biomedical property modifications of poly(vinyl chloride) with methoxylated poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	1.3	6
39	Synthesis and properties of poly (1,4-cyclohexanedicarboxylic anhydride). Polymer Bulletin, 2000, 45, 223-229.	1.7	5
40	Real-time in situ monitoring of poly(lactide-co-glycolide) coating of coronary stents using electrochemical impedance spectroscopy. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 691-699.	1.6	3
41	Paclitaxel Release from Polyether-Anhydrides Prepared with UV-Curing Process. International Journal of Polymer Science, 2013, 2013, 1-6.	1.2	2
42	Investigation of Cytotoxicity of Phosphoryl Choline Modified Single-Walled Carbon Nanotubes under a Live Cell Station. BioMed Research International, 2014, 2014, 1-12.	0.9	2
43	Single-Layer Sheets of Alkylammonium Lead Iodide Perovskites with Tunable and Stable Green Emission for White Light-Emitting Devices. Advanced Optical Materials, 2022, 10, .	3.6	2
44	Novel self-initiating UV-curable acrylate monomers. Journal of Applied Polymer Science, 2020, 137, 49356.	1.3	1
45	NQR study on Nd doped La ₂ SrCuO ₄ . Physica C: Superconductivity and Its Applications, 2003, 386, 279-281.	0.6	0
46	EFFECT OF Ca CONTENT ON THE STRUCTURE AND TRANSPORT PROPERTIES IN La _{0.7} Ca _{0.3-x} MnO ₃ MANGANITES. International Journal of Modern Physics B, 2007, 21, 3401-3403.	1.0	0
47	Combined Effects between Functionalized Multi-Walled Carbon Nanotubes and Cigarette Smoke on Human Bronchial Epithelial Cells. Advanced Materials Research, 2012, 486, 394-399.	0.3	0
48	Effects of Phosphoryl Choline Grafted Water Soluble Carbon Nanotubes Examined by Different Cytotoxicity Methods in 16-HEB Cells. Advanced Materials Research, 0, 486, 84-89.	0.3	0