

Weijun Tong

List of Publications by Year in descending order

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67
papers

2,927
citations

172386
29
h-index

168321
53
g-index

67
all docs

67
docs citations

67
times ranked

3708
citing authors

#	ARTICLE	IF	CITATIONS
1	Layer-by-layer assembly of microcapsules and their biomedical applications. <i>Chemical Society Reviews</i> , 2012, 41, 6103.	18.7	393
2	Multilayer microcapsules with tailored structures for bio-related applications. <i>Journal of Materials Chemistry</i> , 2008, 18, 3799.	6.7	158
3	Supramolecular peptide constructed by molecular Lego allowing programmable self-assembly for photodynamic therapy. <i>Nature Communications</i> , 2019, 10, 2412.	5.8	147
4	Manipulating the Properties of Polyelectrolyte Microcapsules by Glutaraldehyde Cross-Linking. <i>Chemistry of Materials</i> , 2005, 17, 4610-4616.	3.2	129
5	Charge-Controlled Permeability of Polyelectrolyte Microcapsules. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13159-13165.	1.2	123
6	Chitosan-Mediated Synthesis of Gold Nanoparticles on Patterned Poly(dimethylsiloxane) Surfaces. <i>Biomacromolecules</i> , 2006, 7, 1203-1209.	2.6	122
7	Stable Weak Polyelectrolyte Microcapsules with pH-Responsive Permeability. <i>Macromolecules</i> , 2006, 39, 335-340.	2.2	120
8	Bovine serum albumin nanoparticles modified with multilayers and aptamers for pH-responsive and targeted anti-cancer drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 6053.	6.7	88
9	Single Polyelectrolyte Microcapsules Fabricated By Glutaraldehyde-Mediated Covalent Layer-By-Layer Assembly. <i>Macromolecular Rapid Communications</i> , 2006, 27, 2078-2083.	2.0	86
10	Fabrication of Red Blood Cell-Like Polyelectrolyte Microcapsules and Their Deformation and Recovery Behavior Through a Microcapillary. <i>Advanced Materials</i> , 2013, 25, 5814-5818.	11.1	79
11	Polyelectrolyte microcapsules templated on poly(styrene sulfonate)-doped CaCO ₃ particles for loading and sustained release of daunorubicin and doxorubicin. <i>European Polymer Journal</i> , 2006, 42, 3341-3351.	2.6	71
12	Enhanced peroxidase-like activity of Fe@PCN-224 nanoparticles and their applications for detection of H ₂ O ₂ and glucose. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 456-463.	2.3	71
13	Erythrocyte Membrane-Camouflaged PCN-224 Nanocarriers Integrated with Platinum Nanoparticles and Glucose Oxidase for Enhanced Tumor Sonodynamic Therapy and Synergistic Starvation Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24532-24542.	4.0	64
14	pH-responsive protein microcapsules fabricated via glutaraldehyde mediated covalent layer-by-layer assembly. <i>Colloid and Polymer Science</i> , 2008, 286, 1103-1109.	1.0	62
15	Kidney-targeted rhein-loaded liponanoparticles for diabetic nephropathy therapy via size control and enhancement of renal cellular uptake. <i>Theranostics</i> , 2019, 9, 6191-6208.	4.6	62
16	One-pot synthesis of poly(ethylene glycol) modified zeolitic imidazolate framework-8 nanoparticles: Size control, surface modification and drug encapsulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 224-230.	2.3	52
17	Stepwise interfacial self-assembly of nanoparticles via specific DNA pairing. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6313.	1.3	51
18	Molecular-engineered polymeric microcapsules assembled from Concanavalin A and glycogen with specific responses to carbohydrates. <i>Soft Matter</i> , 2011, 7, 5805.	1.2	51

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19	Poly(ethyleneimine) microcapsules: glutaraldehyde-mediated assembly and the influence of molecular weight on their properties. <i>Polymers for Advanced Technologies</i> , 2008, 19, 817-823.	1.6	50
20	Enhanced Cellular Uptake of Bowl-like Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11210-11214.	4.0	49
21	Equilibrium Distribution of Permeants in Polyelectrolyte Microcapsules Filled with Negatively Charged Polyelectrolyte: The Influence of Ionic Strength and Solvent Polarity. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12905-12909.	1.2	48
22	Shape Deformation and Recovery of Multilayer Microcapsules after Being Squeezed through a Microchannel. <i>Langmuir</i> , 2012, 28, 5010-5016.	1.6	46
23	Micelles-Encapsulated Microcapsules for Sequential Loading of Hydrophobic and Water-Soluble Drugs. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1015-1019.	2.0	43
24	Stable microcapsules assembled stepwise from weak polyelectrolytes followed by thermal crosslinking. <i>Polymers for Advanced Technologies</i> , 2005, 16, 827-833.	1.6	42
25	Fabrication of bovine serum albumin microcapsules by desolvation and destroyable cross-linking. <i>Journal of Materials Chemistry</i> , 2008, 18, 1153.	6.7	42
26	High efficient loading and controlled release of low-molecular-weight drugs by combination of spontaneous deposition and heat-induced shrinkage of multilayer capsules. <i>Soft Matter</i> , 2011, 7, 8258.	1.2	42
27	Construction of Self-activated Cascade Metal-Organic Framework/Enzyme Hybrid Nanoreactors as Antibacterial Agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 111001.	2.5	42
28	Construction of flexible enzymatic electrode based on gradient hollow fiber membrane and multi-wall carbon tubes meshes. <i>Biosensors and Bioelectronics</i> , 2020, 152, 112001.	5.3	35
29	A facile pathway to fabricate microcapsules by in situ polyelectrolyte coacervation on poly(styrene) Tj ETQq1 1 0.784314 rgBJ /Overlo	6.7	33
30	Assembly of Polymeric Micelles into Hollow Microcapsules with Extraordinary Stability against Extreme pH Conditions. <i>Langmuir</i> , 2008, 24, 7810-7816.	1.6	29
31	Selective removal of particle cores to fabricate manganese carbonate hollow spheres and composite microcapsules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 295, 233-238.	2.3	28
32	Fabrication of triple-labeled polyelectrolyte microcapsules for localized ratiometric pH sensing. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 252-257.	5.0	28
33	Construction of Microreactors for Cascade Reaction and Their Potential Applications as Antibacterial Agents. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6789-6795.	4.0	28
34	Influence of assembling pH on the stability of poly(L-glutamic acid) and poly(L-lysine) multilayers against urea treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 250-257.	2.5	26
35	MOF-enzyme hybrid nanosystem decorated 3D hollow fiber membranes for in-situ blood separation and biosensing array. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113413.	5.3	24
36	Multilayers and poly(allylamine hydrochloride)-graft-poly(ethylene glycol) modified bovine serum albumin nanoparticles: Improved stability and pH-responsive drug delivery. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 719-726.	2.0	23

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37	Finely tuned Prussian blue-based nanoparticles and their application in disease treatment. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7121-7134.	2.9	22
38	Hypoxia-alleviated nanoplatform to enhance chemosensitivity and sonodynamic effect in pancreatic cancer. <i>Cancer Letters</i> , 2021, 520, 100-108.	3.2	19
39	Reactive oxygen species-scavenging hollow MnO ₂ nanozymes as carriers to deliver budesonide for synergistic inflammatory bowel disease therapy. <i>Biomaterials Science</i> , 2022, 10, 457-466.	2.6	19
40	Photo-responsive polyethyleneimine microcapsules cross-linked by ortho -nitrobenzyl derivatives. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 22-28.	5.0	18
41	Cellular uptake of poly(allylamine hydrochloride) microcapsules with different deformability and its influence on cell functions. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 149-157.	5.0	17
42	Broad-Spectrum Reactive Oxygen Species Scavenging and Activated Macrophage-Targeting Microparticles Ameliorate Inflammatory Bowel Disease. <i>Biomacromolecules</i> , 2021, 22, 3107-3118.	2.6	17
43	Encapsulation of Photosensitizer into Multilayer Microcapsules by Combination of Spontaneous Deposition and Heat-Induced Shrinkage for Photodynamic Therapy. <i>Macromolecular Bioscience</i> , 2012, 12, 1436-1442.	2.1	16
44	Preparation of elastic polyurethane microcapsules using CaCO ₃ microparticles as templates for hydrophobic substances loading. <i>RSC Advances</i> , 2015, 5, 5775-5780.	1.7	14
45	Fabrication of polyurethane microcapsules with different shapes and their influence on cellular internalization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 675-681.	2.5	13
46	Boosted peroxidase-like activity of metal-organic framework nanoparticles with single atom Fe sites at low substrate concentration. <i>Analytica Chimica Acta</i> , 2021, 1152, 338299.	2.6	13
47	Multilayer Capsules with Cell-like Topology: Fabrication and Spontaneous Loading of Various Substances in Aqueous and Ethanol Solutions. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1784-1790.	1.1	12
48	Nile Red Loaded PLGA Nanoparticles Surface Modified with Gd-DTPA for Potential Dual-Modal Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5569-5576.	0.9	12
49	Preparation and structure evolution of bowknot-like calcium carbonate particles in the presence of poly(sodium 4-styrene sulfate). <i>Journal of Colloid and Interface Science</i> , 2012, 385, 274-281.	5.0	11
50	Nanoparticle/Polymer Assembled Microcapsules with pH Sensing Property. <i>Macromolecular Bioscience</i> , 2014, 14, 1495-1504.	2.1	11
51	Polyamine/salt-assembled microspheres coated with hyaluronic acid for targeting and pH sensing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 223-229.	2.5	11
52	Construction and characterization of magnetic cascade metal-organic framework/enzyme hybrid nanoreactors with enhanced effect on killing cancer cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 124990.	2.3	11
53	Phenomenon and Mechanism of Capsule Shrinking in Alkaline Solution Containing Calcium Ions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13561-13567.	1.2	10
54	Fabrication of Chitosan Single-Component Microcapsules With a Micrometer-Thick and Layered Wall Structure by Stepwise Core-Mediated Precipitation. <i>Macromolecular Rapid Communications</i> , 2012, 33, 326-331.	2.0	10

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55	Dual-responsive colloidal microcapsules based on host-guest interaction on solid templates. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 196-202.	5.0	10
56	Fabrication of cellular polycaprolactone films for cell culture. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 38-43.	2.5	9
57	Non-covalent assembly of poly(allylamine hydrochloride)/triethylamine microcapsules with ionic strength-responsiveness and auto-fluorescence. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 228-234.	5.0	9
58	Synergistic Effects of Acoustics-based Therapy and Immunotherapy in Cancer Treatment. <i>BIO Integration</i> , 2021, 2, .	0.9	9
59	Fabrication of biconcave discoidal silica capsules and their uptake behavior by smooth muscle cells. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 124-130.	5.0	7
60	Preparation of photo-responsive poly(ethylene glycol) microparticles and their influence on cell viability. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 182-189.	5.0	7
61	Influence of folate conjugation on the cellular uptake degree of poly(allylamine hydrochloride) microcapsules. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3710-3716.	1.3	6
62	Photo-decomposable Sub-micrometer Albumin Particles Cross-linked by ortho-Nitrobenzyl Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700413.	1.1	6
63	In Situ Coacervated Microcapsules with Filled Polyelectrolytes and Charge-Controlled Permeation for Dye Molecules. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 957-966.	1.1	5
64	One-step controlled precipitation to fabricate glucose-responsive microcapsules. <i>Colloid and Polymer Science</i> , 2012, 290, 233-240.	1.0	5
65	Encapsulation of Methylene Blue in Zeolitic Imidazolate Framework-90 Nanoparticles to Protect Its Photodynamic Activity. <i>Langmuir</i> , 2020, 36, 6811-6818.	1.6	5
66	Phototriggered N ₂ -Generating Submicron Particles for Selective Killing of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44369-44376.	4.0	4
67	Multilayer Microcapsules with Tailored Structures and Properties as Delivery Carriers for Drugs and Growth Factors. , 2016, , 75-99.		2