Georgina K. Such

List of Publications by Year
in descending order

86 papers	8,194 citations	57631 44 h-index	58464 82 g-index
93 all docs	93 docs citations	93 times ranked	10145 citing authors

#	Article	IF	Citations
1	One-Step Assembly of Coordination Complexes for Versatile Film and Particle Engineering. Science, 2013, 341, 154-157.	6.0	1,683
2	Next generation, sequentially assembled ultrathin films: beyond electrostatics. Chemical Society Reviews, 2007, 36, 707.	18.7	425
3	The Endosomal Escape of Nanoparticles: Toward More Efficient Cellular Delivery. Bioconjugate Chemistry, 2019, 30, 263-272.	1.8	380
4	Assembly of Ultrathin Polymer Multilayer Films by Click Chemistry. Journal of the American Chemical Society, 2006, 128, 9318-9319.	6.6	356
5	Engineered hydrogen-bonded polymer multilayers: from assembly to biomedical applications. Chemical Society Reviews, 2011, 40, 19-29.	18.7	327
6	pHâ€Responsive Polymer Nanoparticles for Drug Delivery. Macromolecular Rapid Communications, 2019, 40, e1800917.	2.0	318
7	Immobilization and Intracellular Delivery of an Anticancer Drug Using Mussel-Inspired Polydopamine Capsules. Biomacromolecules, 2012, 13, 2225-2228.	2.6	298
8	The generic enhancement of photochromic dye switching speeds in a rigid polymer matrix. Nature Materials, 2005, 4, 249-253.	13.3	226
9	Ultrathin, Responsive Polymer Click Capsules. Nano Letters, 2007, 7, 1706-1710.	4.5	191
10	Nanoescapology: progress toward understanding the endosomal escape of polymeric nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1452.	3.3	185
11	Biodegradable Click Capsules with Engineered Drug-Loaded Multilayers. ACS Nano, 2010, 4, 1653-1663.	7.3	181
12	Interfacing Materials Science and Biology for Drug Carrier Design. Advanced Materials, 2015, 27, 2278-2297.	11.1	175
13	Engineering Particles for Therapeutic Delivery: Prospects and Challenges. ACS Nano, 2012, 6, 3663-3669.	7.3	160
14	Targeting of Cancer Cells Using Click-Functionalized Polymer Capsules. Journal of the American Chemical Society, 2010, 132, 15881-15883.	6.6	157
15	Factors Influencing Photochromism of Spiro-Compounds Within Polymeric Matrices. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2003, 43, 547-579.	2.2	120
16	Dopamine-Mediated Continuous Assembly of Biodegradable Capsules. Chemistry of Materials, 2011, 23, 3141-3143.	3.2	119
17	Low-Fouling, Biofunctionalized, and Biodegradable Click Capsules. Biomacromolecules, 2008, 9, 3389-3396.	2.6	118
18	Toward Therapeutic Delivery with Layer-by-Layer Engineered Particles. ACS Nano, 2011, 5, 4252-4257.	7.3	112

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19	Polymersomeâ€Loaded Capsules for Controlled Release of DNA. Small, 2011, 7, 2109-2119.	5.2	105
20	Chargeâ€Shifting Click Capsules with Dualâ€Responsive Cargo Release Mechanisms. Advanced Materials, 2011, 23, H273-7.	11.1	101
21	Low-Fouling Poly(N-vinyl pyrrolidone) Capsules with Engineered Degradable Properties. Biomacromolecules, 2009, 10, 2839-2846.	2.6	100
22	Synthesis and functionalization of nanoengineered materials using click chemistry. Progress in Polymer Science, 2012, 37, 985-1003.	11.8	97
23	Challenges facing colloidal delivery systems: From synthesis to the clinic. Current Opinion in Colloid and Interface Science, 2011, 16, 171-181.	3.4	94
24	Triggering Release of Encapsulated Cargo. Angewandte Chemie - International Edition, 2010, 49, 2664-2666.	7.2	91
25	Poly(vinylpyrrolidone) for Bioconjugation and Surface Ligand Immobilization. Biomacromolecules, 2007, 8, 2950-2953.	2.6	90
26	Photoinitiated Alkyneâ€“Azide Click and Radical Cross-Linking Reactions for the Patterning of PEG Hydrogels. Biomacromolecules, 2012, 13, 889-895.	2.6	90
27	Bypassing Multidrug Resistance in Cancer Cells with Biodegradable Polymer Capsules. Advanced Materials, 2010, 22, 5398-5403.	11.1	85
28	Mechanically Tunable, Selfâ€Adjuvanting Nanoengineered Polypeptide Particles. Advanced Materials, 2013, 25, 3468-3472.	11.1	84
29	Targeting Cancer Cells: Controlling the Binding and Internalization of Antibody-Functionalized Capsules. ACS Nano, 2012, 6, 6667-6674.	7.3	81
30	Polyelectrolyte Blend Multilayers: A Versatile Route to Engineering Interfaces and Films. Advanced Functional Materials, 2008, 18, 17-26.	7.8	74
31	Rapid Photochromic Switching in a Rigid Polymer Matrix Using Living Radical Polymerization. Macromolecules, 2006, 39, 1391-1396.	2.2	73
32	Multifunctional Thrombinâ€Activatable Polymer Capsules for Specific Targeting to Activated Platelets. Advanced Materials, 2015, 27, 5153-5157.	11.1	73
33	Bioâ€Click Chemistry: Enzymatic Functionalization of PEGylated Capsules for Targeting Applications. Angewandte Chemie - International Edition, 2012, 51, 7132-7136.	7.2	72
34	Controlling endosomal escape using nanoparticle composition: current progress and future perspectives. Nanomedicine, 2019, 14, 215-223.	1.7	63
35	Endocytic pHâ€Triggered Degradation of Nanoengineered Multilayer Capsules. Advanced Materials, 2014, 26, 1901-1905.	11.1	60
36	Assembly and Degradation of Lowâ€Fouling Clickâ€Functionalized Poly(ethylene glycol)â€Based Multilayer Films and Capsules. Small, 2011, 7, 1075-1085.	5.2	55

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37	Peptideâ€Functionalized, Lowâ€Biofouling Click Multilayers for Promoting Cell Adhesion and Growth. Small, 2009, 5, 444-448.	5.2	53
38	Control of Photochromism through Local Environment Effects Using Living Radical Polymerization (ATRP). Macromolecules, 2004, 37, 9664-9666.	2.2	49
39	Engineering Cellular Degradation of Multilayered Capsules through Controlled Cross-Linking. ACS Nano, 2012, 6, 10186-10194.	7.3	49
40	Surface â€œClickâ€•Chemistry on Brominated Plasma Polymer Thin Films. Langmuir, 2010, 26, 3388-3393.	1.6	48
41	Fabrication of asymmetric â€œJanusâ€•particles via plasma polymerization. Chemical Communications, 2010, 46, 5121.	2.2	48
42	Self-assembling dual component nanoparticles with endosomal escape capability. Soft Matter, 2015, 11, 2993-3002.	1.2	48
43	Controlled release of DNA from poly(vinylpyrrolidone) capsules using cleavable linkers. Biomaterials, 2011, 32, 6277-6284.	5.7	47
44	ATRP-mediated continuous assembly of polymers for the preparation of nanoscale films. Chemical Communications, 2011, 47, 12601.	2.2	46
45	Particle generation, functionalization and sortase Aâ€“mediated modification with targeting of single-chain antibodies for diagnostic and therapeutic use. Nature Protocols, 2015, 10, 90-105.	5.5	45
46	Modular Assembly of Layer-by-Layer Capsules with Tailored Degradation Profiles. Langmuir, 2011, 27, 1275-1280.	1.6	44
47	Peptideâ€Tunable Drug Cytotoxicity via Oneâ€Step Assembled Polymer Nanoparticles. Advanced Materials, 2014, 26, 2398-2402.	11.1	44
48	Nanoengineered Films via Surfaceâ€Confined Continuous Assembly of Polymers. Small, 2011, 7, 2863-2867.	5.2	43
49	The Use of Block Copolymers to Systematically Modify Photochromic Behavior. Macromolecules, 2006, 39, 9562-9570.	2.2	42
50	Tuning the Properties of Layer-by-Layer Assembled Poly(acrylic acid) Click Films and Capsules. Macromolecules, 2011, 44, 1194-1202.	2.2	40
51	Click poly(ethylene glycol) multilayers on RO membranes: Fouling reduction and membrane characterization. Journal of Membrane Science, 2012, 409-410, 9-15.	4.1	40
52	Controlling Endosomal Escape Using pH-Responsive Nanoparticles with Tunable Disassembly. ACS Applied Nano Materials, 2018, 1, 3164-3173.	2.4	36
53	Clickâ€Engineered, Bioresponsive, Drugâ€Loaded PEG Spheres. Advanced Materials, 2009, 21, 4348-4352.	11.1	34
54	Research Trends in Photochromism: Control of Photochromism in Rigid Polymer Matrices and other Advances. Australian Journal of Chemistry, 2005, 58, 825.	0.5	33

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55	Probing Endosomal Escape Using pHlexi Nanoparticles. Macromolecular Bioscience, 2017, 17, 1600248.	2.1	29
56	Polyoxometalates as chemically and structurally versatile components in self-assembled materials. Chemical Science, 2022, 13, 2510-2527.	3.7	29
57	The potential of nanoparticle vaccines as a treatment for cancer. Molecular Immunology, 2018, 98, 2-7.	1.0	27
58	Engineered Polymeric Materials for Biological Applications: Overcoming Challenges of the Bioâ€“Nano Interface. Polymers, 2019, 11, 1441.	2.0	24
59	New Insights into the Substrateâ€“Plasma Polymer Interface. Journal of Physical Chemistry B, 2011, 115, 6495-6502.	1.2	23
60	Quantifying Nanoparticle Internalization Using a High Throughput Internalization Assay. Pharmaceutical Research, 2016, 33, 2421-2432.	1.7	22
61	Engineering Enzymeâ€Cleavable Hybrid Click Capsules with a pHâ€Sheddable Coating for Intracellular Degradation. Small, 2014, 10, 4080-4086.	5.2	19
62	Multicompartment Polymeric Nanocarriers for Biomedical Applications. Macromolecular Rapid Communications, 2020, 41, e2000298.	2.0	19
63	Quantifying the Endosomal Escape of pH-Responsive Nanoparticles Using the Split Luciferase Endosomal Escape Quantification Assay. ACS Applied Materials & Interfaces, 2022, 14, 3653-3661.	4.0	19
64	Tuning the properties of pH responsive nanoparticles to control cellular interactions in vitro and ex vivo. Polymer Chemistry, 2016, 7, 6015-6024.	1.9	18
65	Endocytic Capsule Sensors for Probing Cellular Internalization. Advanced Healthcare Materials, 2014, 3, 1551-1554.	3.9	15
66	Limitations with solvent exchange methods for synthesis of colloidal fullerenes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 514, 21-31.	2.3	15
67	Tailoring Photochromic Performance of Polymer-Dye Conjugates Using Living Radical Polymerization (ATRP). Molecular Crystals and Liquid Crystals, 2005, 430, 273-279.	0.4	14
68	Design of Degradable Click Delivery Systems. Macromolecular Rapid Communications, 2013, 34, 894-902.	2.0	13
69	pH-Responsive Transferrin-pHlexi Particles Capable of Targeting Cells in Vitro. ACS Macro Letters, 2017, 6, 315-320.	2.3	12
70	Understanding the Biological Interactions of pHâ€Swellable Nanoparticles. Macromolecular Bioscience, 2022, 22, e2100445.	2.1	9
71	Tuning Particle Biodegradation through Polymerâ€“Peptide Blend Composition. Biomacromolecules, 2014, 15, 4429-4438.	2.6	8
72	Acid-Responsive Poly(glyoxylate) Self-Immolative Star Polymers. Biomacromolecules, 2021, 22, 3892-3900.	2.6	8

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73	Fundamental Studies of Hybrid Poly(2-(diisopropylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (methacrylate)/Pol 2784-2792.	2.6	7
74	Polyglyoxylamides with a pH-Mediated Solubility and Depolymerization Switch. Macromolecules, 2021, 54, 10547-10556.	2.2	7
75	HD Flow Cytometry: An Improved Way to Quantify Cellular Interactions with Nanoparticles. Advanced Healthcare Materials, 2016, 5, 2333-2338.	3.9	5
76	Lewis Base Catalyzed Synthesis of Sulfur Heterocycles via the C1â€Pyridinium Enolate.**. Angewandte Chemie - International Edition, 0, , .	7.2	5
77	Rationale Design of pH-Responsive Coreâ€“Shell Nanoparticles: Polyoxometalate-Mediated Structural Reorganization. ACS Applied Nano Materials, 2020, 3, 11247-11253.	2.4	4
78	Understanding Cell Interactions Using Modular Nanoparticle Libraries. Australian Journal of Chemistry, 2019, 72, 595.	0.5	3
79	Drug Delivery: Bypassing Multidrug Resistance in Cancer Cells with Biodegradable Polymer Capsules (Adv. Mater. 47/2010). Advanced Materials, 2010, 22, 5324-5324.	11.1	2
80	Reaction Vessels Assembled by the Sequential Adsorption of Polymers. Advances in Polymer Science, 2010, , 155-179.	0.4	2
81	Flow Cytometry: HD Flow Cytometry: An Improved Way to Quantify Cellular Interactions with Nanoparticles (Adv. Healthcare Mater. 18/2016). Advanced Healthcare Materials, 2016, 5, 2332-2332.	3.9	1
82	Understanding the Polymer Rearrangement of pH-Responsive Nanoparticles. Australian Journal of Chemistry, 2021, 74, 514.	0.5	1
83	Layer-by-Layer Assembled Capsules for Biomedical Applications. , 2011, , 359-377.		0
84	â€œSmartâ€•Capsules for Drug Release: Charge-Shifting Click Capsules with Dual-Responsive Cargo Release Mechanisms (Adv. Mater. 36/2011). Advanced Materials, 2011, 23, H210-H210.	11.1	0
85	Biomedical Applications: Endocytic pH-Triggered Degradation of Nanoengineered Multilayer Capsules (Adv. Mater. 12/2014). Advanced Materials, 2014, 26, 1947-1947.	11.1	0
86	Lewis Base Catalyzed Synthesis of Sulfur Heterocycles via the C1â€Pyridinium Enolate.**. Angewandte Chemie, 0, , .	1.6	0