Georgina K. Such

List of Publications by Year in Descending Order

84 papers	6,782 citations	42 h-index	82 g-index
93 ext. papers	7,462 ext. citations	11.9 avg, IF	5.92 L-index

#	Paper	IF	Citations
84	Polyoxometalates as chemically and structurally versatile components in self-assembled materials.. *Chemical Science*, **2022**, 13, 2510-2527	9.4	0
83	Understanding the Biological Interactions of pH-Swellable Nanoparticles.. *Macromolecular Bioscience*, **2022**, e2100445	5.5	0
82	Understanding the Polymer Rearrangement of pH-Responsive Nanoparticles. *Australian Journal of Chemistry*, **2021**, 74, 514	1.2	1
81	Acid-Responsive Poly(glyoxylate) Self-Immolative Star Polymers. *Biomacromolecules*, **2021**, 22, 3892-3900	6.9	2
80	Rationale Design of pH-Responsive Core–Shell Nanoparticles: Polyoxometalate-Mediated Structural Reorganization. *ACS Applied Nano Materials*, **2020**, 3, 11247-11253	5.6	4
79	Multicompartment Polymeric Nanocarriers for Biomedical Applications. *Macromolecular Rapid Communications*, **2020**, 41, e2000298	4.8	8
78	Engineered Polymeric Materials for Biological Applications: Overcoming Challenges of the Bio-Nano Interface. *Polymers*, **2019**, 11,	4.5	12
77	pH-Responsive Polymer Nanoparticles for Drug Delivery. *Macromolecular Rapid Communications*, **2019**, 40, e1800917	4.8	170
76	Understanding Cell Interactions Using Modular Nanoparticle Libraries. *Australian Journal of Chemistry*, **2019**, 72, 595	1.2	2
75	Controlling endosomal escape using nanoparticle composition: current progress and future perspectives. *Nanomedicine*, **2019**, 14, 215-223	5.6	36
74	The Endosomal Escape of Nanoparticles: Toward More Efficient Cellular Delivery. *Bioconjugate Chemistry*, **2019**, 30, 263-272	6.3	205
73	Controlling Endosomal Escape Using pH-Responsive Nanoparticles with Tunable Disassembly. *ACS Applied Nano Materials*, **2018**, 1, 3164-3173	5.6	17
72	The potential of nanoparticle vaccines as a treatment for cancer. *Molecular Immunology*, **2018**, 98, 2-7	4.3	19
71	pH-Responsive Transferrin-pHlexi Particles Capable of Targeting Cells in Vitro. *ACS Macro Letters*, **2017**, 6, 315-320	6.6	8
70	Nanoescapology: progress toward understanding the endosomal escape of polymeric nanoparticles. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2017**, 9, e1452	9.2	119
69	Probing Endosomal Escape Using pHlexi Nanoparticles. *Macromolecular Bioscience*, **2017**, 17, 1600248	5.5	19
68	Limitations with solvent exchange methods for synthesis of colloidal fullerenes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 514, 21-31	5.1	11

67	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	10.1	1
66	Tuning the properties of pH responsive nanoparticles to control cellular interactions in vitro and ex vivo. *Polymer Chemistry*, **2016**, 7, 6015-6024	4.9	16
65	HD Flow Cytometry: An Improved Way to Quantify Cellular Interactions with Nanoparticles. *Advanced Healthcare Materials*, **2016**, 5, 2333-8	10.1	5
64	Quantifying Nanoparticle Internalization Using a High Throughput Internalization Assay. *Pharmaceutical Research*, **2016**, 33, 2421-32	4.5	19
63	Interfacing materials science and biology for drug carrier design. *Advanced Materials*, **2015**, 27, 2278-97	24	141
62	Particle generation, functionalization and sortase A-mediated modification with targeting of single-chain antibodies for diagnostic and therapeutic use. *Nature Protocols*, **2015**, 10, 90-105	18.8	42
61	Multifunctional Thrombin-Activatable Polymer Capsules for Specific Targeting to Activated Platelets. *Advanced Materials*, **2015**, 27, 5153-7	24	62
60	Self-assembling dual component nanoparticles with endosomal escape capability. *Soft Matter*, **2015**, 11, 2993-3002	3.6	33
59	Peptide-tunable drug cytotoxicity via one-step assembled polymer nanoparticles. *Advanced Materials*, **2014**, 26, 2398-402	24	40
58	Fundamental studies of hybrid poly(2-(diisopropylamino)ethyl methacrylate)/poly(N-vinylpyrrolidone) films and capsules. *Biomacromolecules*, **2014**, 15, 2784-92	6.9	7
57	Endocytic capsule sensors for probing cellular internalization. *Advanced Healthcare Materials*, **2014**, 3, 1551-4, 1524	10.1	14
56	Tuning particle biodegradation through polymer-peptide blend composition. *Biomacromolecules*, **2014**, 15, 4429-38	6.9	8
55	Endocytic pH-triggered degradation of nanoengineered multilayer capsules. *Advanced Materials*, **2014**, 26, 1901-5	24	55
54	Biomedical Applications: Endocytic pH-Triggered Degradation of Nanoengineered Multilayer Capsules (Adv. Mater. 12/2014). *Advanced Materials*, **2014**, 26, 1947-1947	24	
53	Engineering enzyme-cleavable hybrid click capsules with a pH-sheddable coating for intracellular degradation. *Small*, **2014**, 10, 4080-6	11	16
52	One-step assembly of coordination complexes for versatile film and particle engineering. *Science*, **2013**, 341, 154-7	33.3	1227
51	Mechanically tunable, self-adjuvanting nanoengineered polypeptide particles. *Advanced Materials*, **2013**, 25, 3468-72	24	72
50	Design of degradable click delivery systems. *Macromolecular Rapid Communications*, **2013**, 34, 894-902	4.8	13

49	Click poly(ethylene glycol) multilayers on RO membranes: Fouling reduction and membrane characterization. *Journal of Membrane Science*, **2012**, 409-410, 9-15	9.6	33
48	Synthesis and functionalization of nanoengineered materials using click chemistry. *Progress in Polymer Science*, **2012**, 37, 985-1003	29.6	87
47	Immobilization and intracellular delivery of an anticancer drug using mussel-inspired polydopamine capsules. *Biomacromolecules*, **2012**, 13, 2225-8	6.9	265
46	Targeting cancer cells: controlling the binding and internalization of antibody-functionalized capsules. *ACS Nano*, **2012**, 6, 6667-74	16.7	70
45	Engineering cellular degradation of multilayered capsules through controlled cross-linking. *ACS Nano*, **2012**, 6, 10186-94	16.7	46
44	Engineered Layer-by-Layer Assembled Capsules for Biomedical Applications **2012**, 801-829		1
43	Engineering particles for therapeutic delivery: prospects and challenges. *ACS Nano*, **2012**, 6, 3663-9	16.7	147
42	Photoinitiated alkyne-azide click and radical cross-linking reactions for the patterning of PEG hydrogels. *Biomacromolecules*, **2012**, 13, 889-95	6.9	82
41	Bio-Click Chemistry: Enzymatic Functionalization of PEGylated Capsules for Targeting Applications. *Angewandte Chemie*, **2012**, 124, 7244-7248	3.6	22
40	Bio-click chemistry: enzymatic functionalization of PEGylated capsules for targeting applications. *Angewandte Chemie - International Edition*, **2012**, 51, 7132-6	16.4	66
39	Layer-by-Layer Assembled Capsules for Biomedical Applications **2011**, 359-377		
38	Tuning the Properties of Layer-by-Layer Assembled Poly(acrylic acid) Click Films and Capsules. *Macromolecules*, **2011**, 44, 1194-1202	5.5	38
37	Modular assembly of layer-by-layer capsules with tailored degradation profiles. *Langmuir*, **2011**, 27, 1275-80		41
36	Toward therapeutic delivery with layer-by-layer engineered particles. *ACS Nano*, **2011**, 5, 4252-7	16.7	99
35	Dopamine-Mediated Continuous Assembly of Biodegradable Capsules. *Chemistry of Materials*, **2011**, 23, 3141-3143	9.6	113
34	Engineered hydrogen-bonded polymer multilayers: from assembly to biomedical applications. *Chemical Society Reviews*, **2011**, 40, 19-29	58.5	305
33	Assembly and degradation of low-fouling click-functionalized poly(ethylene glycol)-based multilayer films and capsules. *Small*, **2011**, 7, 1075-85	11	53
32	Polymersome-loaded capsules for controlled release of DNA. *Small*, **2011**, 7, 2109-19	11	97

31	Nanoengineered films via surface-confined continuous assembly of polymers. *Small*, **2011**, 7, 2863-7	11	39
30	Charge-shifting click capsules with dual-responsive cargo release mechanisms. *Advanced Materials*, **2011**, 23, H273-7	24	98
29	Smart Capsules for Drug Release: Charge-Shifting Click Capsules with Dual-Responsive Cargo Release Mechanisms (Adv. Mater. 36/2011). *Advanced Materials*, **2011**, 23, H210-H210	24	
28	ATRP-mediated continuous assembly of polymers for the preparation of nanoscale films. *Chemical Communications*, **2011**, 47, 12601-3	5.8	42
27	New insights into the substrate-plasma polymer interface. *Journal of Physical Chemistry B*, **2011**, 115, 6495-502	3.4	23
26	Challenges facing colloidal delivery systems: From synthesis to the clinic. *Current Opinion in Colloid and Interface Science*, **2011**, 16, 171-181	7.6	87
25	Controlled release of DNA from poly(vinylpyrrolidone) capsules using cleavable linkers. *Biomaterials*, **2011**, 32, 6277-84	15.6	44
24	Reaction Vessels Assembled by the Sequential Adsorption of Polymers. *Advances in Polymer Science* , **2010**, 155-179	1.3	2
23	Biodegradable click capsules with engineered drug-loaded multilayers. *ACS Nano*, **2010**, 4, 1653-63	16.7	174
22	Surface "click" chemistry on brominated plasma polymer thin films. *Langmuir*, **2010**, 26, 3388-93	4	44
21	Targeting of cancer cells using click-functionalized polymer capsules. *Journal of the American Chemical Society*, **2010**, 132, 15881-3	16.4	151
20	Fabrication of asymmetric "Janus" particles via plasma polymerization. *Chemical Communications*, **2010**, 46, 5121-3	5.8	47
19	Bypassing multidrug resistance in cancer cells with biodegradable polymer capsules. *Advanced Materials*, **2010**, 22, 5398-403	24	78
18	Drug Delivery: Bypassing Multidrug Resistance in Cancer Cells with Biodegradable Polymer Capsules (Adv. Mater. 47/2010). *Advanced Materials*, **2010**, 22, 5324-5324	24	2
17	Triggering release of encapsulated cargo. *Angewandte Chemie - International Edition*, **2010**, 49, 2664-6	16.4	88
16	Click-engineered, bioresponsive, drug-loaded PEG spheres. *Advanced Materials*, **2009**, 21, 4348-52	24	33
15	Peptide-functionalized, low-biofouling click multilayers for promoting cell adhesion and growth. *Small*, **2009**, 5, 444-8	11	53
14	Low-fouling poly(N-vinyl pyrrolidone) capsules with engineered degradable properties. *Biomacromolecules*, **2009**, 10, 2839-46	6.9	99

13	Low-fouling, biofunctionalized, and biodegradable click capsules. *Biomacromolecules*, **2008**, 9, 3389-96	6.9	113
12	Polyelectrolyte Blend Multilayers: A Versatile Route to Engineering Interfaces and Films. *Advanced Functional Materials*, **2008**, 18, 17-26	15.6	70
11	Ultrathin, responsive polymer click capsules. *Nano Letters*, **2007**, 7, 1706-10	11.5	185
10	Poly(vinylpyrrolidone) for bioconjugation and surface ligand immobilization. *Biomacromolecules*, **2007**, 8, 2950-3	6.9	87
9	Next generation, sequentially assembled ultrathin films: beyond electrostatics. *Chemical Society Reviews*, **2007**, 36, 707-18	58.5	405
8	The Use of Block Copolymers to Systematically Modify Photochromic Behavior. *Macromolecules*, **2006**, 39, 9562-9570	5.5	42
7	Rapid Photochromic Switching in a Rigid Polymer Matrix Using Living Radical Polymerization. *Macromolecules*, **2006**, 39, 1391-1396	5.5	67
6	Assembly of ultrathin polymer multilayer films by click chemistry. *Journal of the American Chemical Society*, **2006**, 128, 9318-9	16.4	337
5	Tailoring Photochromic Performance of Polymer-Dye Conjugates Using Living Radical Polymerization (ATRP). *Molecular Crystals and Liquid Crystals*, **2005**, 430, 273-279	0.5	14
4	Research Trends in Photochromism: Control of Photochromism in Rigid Polymer Matrices and other Advances. *Australian Journal of Chemistry*, **2005**, 58, 825	1.2	31
3	The generic enhancement of photochromic dye switching speeds in a rigid polymer matrix. *Nature Materials*, **2005**, 4, 249-53	27	208
2	Control of Photochromism through Local Environment Effects Using Living Radical Polymerization (ATRP). *Macromolecules*, **2004**, 37, 9664-9666	5.5	47
1	Factors Influencing Photochromism of Spiro-Compounds Within Polymeric Matrices. *Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics*, **2003**, 43, 547-579		100