Christopher B Howard

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51 papers	952 citations	16 h-index	30 g-index
61 ext. papers	1,198 ext. citations	7.3 avg, IF	4.22 L-index

#	Paper	IF	Citations
51	Heat shock protein 10 inhibits lipopolysaccharide-induced inflammatory mediator production. *Journal of Biological Chemistry*, **2005**, 280, 4037-47	5.4	125
50	Pathogen sensing by nucleotide-binding oligomerization domain-containing protein 2 (NOD2) is mediated by direct binding to muramyl dipeptide and ATP. *Journal of Biological Chemistry*, **2012**, 287, 23057-67	5.4	124
49	Recent Advances in the Generation of Antibody-Nanomaterial Conjugates. *Advanced Healthcare Materials*, **2018**, 7, 1700607	10.1	63
48	Preparation of optimized lipid-coated calcium phosphate nanoparticles for enhanced in vitro gene delivery to breast cancer cells. *Journal of Materials Chemistry B*, **2015**, 3, 6805-6812	7.3	61
47	Enhanced delivery of siRNA to triple negative breast cancer cells in vitro and in vivo through functionalizing lipid-coated calcium phosphate nanoparticles with dual target ligands. *Nanoscale*, **2018**, 10, 4258-4266	7.7	50
46	Targeting membrane proteins for antibody discovery using phage display. *Scientific Reports*, **2016**, 6, 26240	4.9	42
45	Targeted camptothecin delivery via silicon nanoparticles reduces breast cancer metastasis. *Biomaterials*, **2020**, 240, 119791	15.6	40
44	Enhanced uptake of potassium or glycine betaine or export of cyclic-di-AMP restores osmoresistance in a high cyclic-di-AMP Lactococcus lactis mutant. *PLoS Genetics*, **2018**, 14, e1007574	6	40
43	Multiplexed SERS Detection of Soluble Cancer Protein Biomarkers with Gold-Silver Alloy Nanoboxes and Nanoyeast Single-Chain Variable Fragments. *Analytical Chemistry*, **2018**, 90, 10377-10384	7.8	40
42	Overcoming Instability of Antibody-Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies. *Advanced Healthcare Materials*, **2016**, 5, 2055-68	10.1	36
41	A SERS microfluidic platform for targeting multiple soluble immune checkpoints. *Biosensors and Bioelectronics*, **2019**, 126, 178-186	11.8	32
40	Nanocell targeting using engineered bispecific antibodies. *MAbs*, **2015**, 7, 53-65	6.6	28
39	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. *Advanced Healthcare Materials*, **2019**, 8, e1801607	10.1	24
38	Identification and minisequencing-based discrimination of SHV beta-lactamases in nosocomial infection-associated Klebsiella pneumoniae in Brisbane, Australia. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 659-64	5.9	19
37	Understanding the Uptake of Nanomedicines at Different Stages of Brain Cancer Using a Modular Nanocarrier Platform and Precision Bispecific Antibodies. *ACS Central Science*, **2020**, 6, 727-738	16.8	18
36	Strategies for Selecting Membrane Protein-Specific Antibodies using Phage Display with Cell-Based Panning. *Antibodies*, **2017**, 6,	7	17
35	Multifunctional lipid-coated calcium phosphate nanoplatforms for complete inhibition of large triple negative breast cancer via targeted combined therapy. *Biomaterials*, **2019**, 216, 119232	15.6	15

34	Bispecific Antibody-Functionalized Upconversion Nanoprobe. *Analytical Chemistry*, **2018**, 90, 3024-3029	7.8	15
33	Insights into the interfacial structure-function of poly(ethylene glycol)-decorated peptide-stabilised nanoscale emulsions. *Soft Matter*, **2017**, 13, 7953-7961	3.6	11
32	Targeted and modular architectural polymers employing bioorthogonal chemistry for quantitative therapeutic delivery. *Chemical Science*, **2020**, 11, 3268-3280	9.4	10
31	Development of a protein nanoparticle platform for targeting EGFR expressing cancer cells. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1230-1236	3.5	10
30	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. *ACS Nano*, **2020**, 14, 13739-13753	16.7	10
29	Biosensing made easy with PEG-targeted bi-specific antibodies. *Chemical Communications*, **2016**, 52, 5739-5	6.8	10
28	Geometric optimisation of electrohydrodynamic fluid flows for enhanced biosensing. *Microchemical Journal*, **2018**, 137, 231-237	4.8	9
27	Cellular Targeting of Bispecific Antibody-Functionalized Poly(ethylene glycol) Capsules: Do Shape and Size Matter?. *ACS Applied Materials & Interfaces*, **2019**, 11, 28720-28731	9.5	9
26	An EGFR targeting nanoparticle self assembled from a thermoresponsive polymer. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1222-1229	3.5	9
25	Single droplet detection of immune checkpoints on a multiplexed electrohydrodynamic biosensor. *Analyst, The*, **2019**, 144, 6914-6921	5	9
24	Targeting the undruggable: emerging technologies in antibody delivery against intracellular targets. *Expert Opinion on Drug Delivery*, **2020**, 17, 1189-1211	8	8
23	Targeting mesothelin receptors with drug-loaded bacterial nanocells suppresses human mesothelioma tumour growth in mouse xenograft models. *PLoS ONE*, **2017**, 12, e0186137	3.7	8
22	Polymer design and component selection contribute to uptake, distribution & trafficking behaviours of polyethylene glycol hyperbranched polymers in live MDA-MB-468 breast cancer cells. *Biomaterials Science*, **2019**, 7, 4661-4674	7.4	7
21	Wavelength-Dependent Fluorescent Immunosensors via Incorporation of Polarity Indicators near the Binding Interface of Antibody Fragments. *Analytical Chemistry*, **2019**, 91, 7631-7638	7.8	7
20	RNA interference to enhance radiation therapy: Targeting the DNA damage response. *Cancer Letters*, **2018**, 439, 14-23	9.9	7
19	Functional domain analysis of SOX18 transcription factor using a single-chain variable fragment-based approach. *MAbs*, **2018**, 10, 596-606	6.6	5
18	S-Trap Eliminates Cell Culture Media Polymeric Surfactants for Effective Proteomic Analysis of Mammalian Cell Bioreactor Supernatants. *Journal of Proteome Research*, **2020**, 19, 2149-2158	5.6	4
17	Investigation of the Therapeutic Potential of a Synergistic Delivery System through Dual Controlled Release of CamptothecinDoxorubicin. *Advanced Therapeutics*, **2020**, 3, 1900202	4.9	4

16	Coagulation factor IX analysis in bioreactor cell culture supernatant predicts quality of the purified product. *Communications Biology*, **2021**, 4, 390	6.7	4
15	A bispecific T cell engager targeting Glypican-1 redirects T cell cytolytic activity to kill prostate cancer cells. *BMC Cancer*, **2020**, 20, 1214	4.8	3
14	Amplification-Free SARS-CoV-2 Detection Using Nanoyeast-scFv and Ultrasensitive Plasmonic Nanobox-Integrated Nanomixing Microassay. *Analytical Chemistry*, **2021**, 93, 10251-10260	7.8	3
13	Canine CD117-Specific Antibodies with Diverse Binding Properties Isolated from a Phage Display Library Using Cell-Based Biopanning. *Antibodies*, **2019**, 8,	7	2
12	Identification of novel glycosylation events on human serum-derived factor IX. *Glycoconjugate Journal*, **2020**, 37, 471-483	3	2
11	Glycoproteomic measurement of site-specific polysialylation. *Analytical Biochemistry*, **2020**, 596, 113625	3.1	2
10	Targeted Nanomaterials: Overcoming Instability of Antibody-Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies (Adv. Healthcare Mater. 16/2016). *Advanced Healthcare Materials*, **2016**, 5, 1994-1994	10.1	2
9	Beyond Antibodies: Development of a Novel Protein Scaffold Based on Human Chaperonin 10. *Scientific Reports*, **2016**, 5, 37348	4.9	2
8	Perfusion culture of Chinese Hamster Ovary cells for bioprocessing applications. *Critical Reviews in Biotechnology*, **2021**, 1-17	9.4	1
7	Identification of novel glycosylation events on human serum-derived Factor IX		1
6	Retooling phage display with electrohydrodynamic nanomixing and nanopore sequencing. *Lab on A Chip*, **2019**, 19, 4083-4092	7.2	1
5	Engineering eukaryote-like regulatory circuits to expand artificial control mechanisms for metabolic engineering in Saccharomyces cerevisiae.. *Communications Biology*, **2022**, 5, 135	6.7	1
4	Understanding nanomedicine treatment in an aggressive spontaneous brain cancer model at the stage of early blood brain barrier disruption.. *Biomaterials*, **2022**, 283, 121416	15.6	0
3	Production and characterisation of recombinant human chaperonin 10 for treatment of inflammatory disease. *Process Biochemistry*, **2015**, 50, 1669-1679	4.8	
2	Effect of Chain-End Chemistries on the Efficiency of Coupling Antibodies to Polymers Using Unnatural Amino Acids. *Macromolecular Rapid Communications*, **2020**, 41, e2000294	4.8	
1	Recent advances in the production of recombinant factor IX: bioprocessing and cell engineering.. *Critical Reviews in Biotechnology*, **2022**, 1-19	9.4	