Christopher B Howard

List of Publications by Year
in descending order

57 papers	1,480 citations	361045 20 h-index	344852 36 g-index
61 all docs	61 docs citations	61 times ranked	2367 citing authors

#	Article	IF	Citations
1	Heat Shock Protein 10 Inhibits Lipopolysaccharide-induced Inflammatory Mediator Production. Journal of Biological Chemistry, 2005, 280, 4037-4047.	1.6	158
2	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, 23057-23067.	1.6	136
3	Recent Advances in the Generation of Antibodyâ€“Nanomaterial Conjugates. Advanced Healthcare Materials, 2018, 7, 1700607.	3.9	88
4	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.	2.9	77
5	Targeted camptothecin delivery via silicon nanoparticles reduces breast cancer metastasis. Biomaterials, 2020, 240, 119791.	5.7	73
6	Targeting membrane proteins for antibody discovery using phage display. Scientific Reports, 2016, 6, 26240.	1.6	67
7	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.	2.8	64
8	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.	1.5	61
9	Multiplexed SERS Detection of Soluble Cancer Protein Biomarkers with Goldâ€“Silver Alloy Nanoboxes and Nanoyeast Single-Chain Variable Fragments. Analytical Chemistry, 2018, 90, 10377-10384.	3.2	59
10	Overcoming Instability of Antibodyâ€Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies. Advanced Healthcare Materials, 2016, 5, 2055-2068.	3.9	52
11	A SERS microfluidic platform for targeting multiple soluble immune checkpoints. Biosensors and Bioelectronics, 2019, 126, 178-186.	5.3	48
12	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. Advanced Healthcare Materials, 2019, 8, e1801607.	3.9	38
13	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.	5.3	36
14	Nanocell targeting using engineered bispecific antibodies. MAbs, 2015, 7, 53-65.	2.6	33
15	Strategies for Selecting Membrane Protein-Specific Antibodies using Phage Display with Cell-Based Panning. Antibodies, 2017, 6, 10.	1.2	32
16	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. ACS Nano, 2020, 14, 13739-13753.	7.3	30
17	Identification and Minisequencing-Based Discrimination of SHV Î²-Lactamases in Nosocomial Infection-Associated Klebsiella pneumoniae in Brisbane, Australia. Antimicrobial Agents and Chemotherapy, 2002, 46, 659-664.	1.4	29
18	Multifunctional lipid-coated calcium phosphate nanoplatforms for complete inhibition of large triple negative breast cancer via targeted combined therapy. Biomaterials, 2019, 216, 119232.	5.7	27

#	Article	IF	Citations
19	Targeting the undruggable: emerging technologies in antibody delivery against intracellular targets. Expert Opinion on Drug Delivery, 2020, 17, 1189-1211.	2.4	24
20	Targeted and modular architectural polymers employing bioorthogonal chemistry for quantitative therapeutic delivery. Chemical Science, 2020, 11, 3268-3280.	3.7	22
21	Amplification-Free SARS-CoV-2 Detection Using Nanoyeast-scFv and Ultrasensitive Plasmonic Nanobox-Integrated Nanomixing Microassay. Analytical Chemistry, 2021, 93, 10251-10260.	3.2	19
22	Bispecific Antibody-Functionalized Upconversion Nanoprobe. Analytical Chemistry, 2018, 90, 3024-3029.	3.2	18
23	Cellular Targeting of Bispecific Antibody-Functionalized Poly(ethylene glycol) Capsules: Do Shape and Size Matter?. ACS Applied Materials & Interfaces, 2019, 11, 28720-28731.	4.0	18
24	Single droplet detection of immune checkpoints on a multiplexed electrohydrodynamic biosensor. Analyst, The, 2019, 144, 6914-6921.	1.7	18
25	An in vivo gene amplification system for high level expression in Saccharomyces cerevisiae. Nature Communications, 2022, 13, .	5.8	16
26	Perfusion culture of Chinese Hamster Ovary cells for bioprocessing applications. Critical Reviews in Biotechnology, 2022, 42, 1099-1115.	5.1	15
27	An <scp>EGFR</scp> targeting nanoparticle self assembled from a thermoresponsive polymer. Journal of Chemical Technology and Biotechnology, 2015, 90, 1222-1229.	1.6	13
28	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.	2.6	13
29	Understanding nanomedicine treatment in an aggressive spontaneous brain cancer model at the stage of early blood brain barrier disruption. Biomaterials, 2022, 283, 121416.	5.7	13
30	Development of a protein nanoparticle platform for targeting <scp>EGFR</scp> expressing cancer cells. Journal of Chemical Technology and Biotechnology, 2015, 90, 1230-1236.	1.6	12
31	Targeting mesothelin receptors with drug-loaded bacterial nanocells suppresses human mesothelioma tumour growth in mouse xenograft models. PLoS ONE, 2017, 12, e0186137.	1.1	12
32	Investigation of the Therapeutic Potential of a Synergistic Delivery System through Dual Controlled Release of Camptothecinâ€“Doxorubicin. Advanced Therapeutics, 2020, 3, 1900202.	1.6	12
33	Engineering eukaryote-like regulatory circuits to expand artificial control mechanisms for metabolic engineering in Saccharomyces cerevisiae. Communications Biology, 2022, 5, 135.	2.0	12
34	Biosensing made easy with PEG-targeted bi-specific antibodies. Chemical Communications, 2016, 52, 5730-5733.	2.2	11
35	Insights into the interfacial structureâ€“function of poly(ethylene glycol)-decorated peptide-stabilised nanoscale emulsions. Soft Matter, 2017, 13, 7953-7961.	1.2	11
36	Geometric optimisation of electrohydrodynamic fluid flows for enhanced biosensing. Microchemical Journal, 2018, 137, 231-237.	2.3	11

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37	Identification of novel glycosylation events on human serum-derived factor IX. Glycoconjugate Journal, 2020, 37, 471-483.	1.4	10
38	RNA interference to enhance radiation therapy: Targeting the DNA damage response. Cancer Letters, 2018, 439, 14-23.	3.2	9
39	Wavelength-Dependent Fluorescent Immunosensors via Incorporation of Polarity Indicators near the Binding Interface of Antibody Fragments. Analytical Chemistry, 2019, 91, 7631-7638.	3.2	9
40	A bispecific T cell engager targeting Glypican-1 redirects T cell cytolytic activity to kill prostate cancer cells. BMC Cancer, 2020, 20, 1214.	1.1	9
41	Retooling phage display with electrohydrodynamic nanomixing and nanopore sequencing. Lab on A Chip, 2019, 19, 4083-4092.	3.1	8
42	Coagulation factor IX analysis in bioreactor cell culture supernatant predicts quality of the purified product. Communications Biology, 2021, 4, 390.	2.0	8
43	Functional domain analysis of SOX18 transcription factor using a single-chain variable fragment-based approach. MAbs, 2018, 10, 596-606.	2.6	7
44	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.	1.8	7
45	Confined microemulsion sono-polymerization of poly(ethylene glycol) nanoparticles for targeted delivery. Chemical Communications, 2022, 58, 7777-7780.	2.2	7
46	Beyond Antibodies: Development of a Novel Protein Scaffold Based on Human Chaperonin 10. Scientific Reports, 2016, 6, 37348.	1.6	5
47	Glycoproteomic measurement of site-specific polysialylation. Analytical Biochemistry, 2020, 596, 113625.	1.1	5
48	Canine CD117-Specific Antibodies with Diverse Binding Properties Isolated from a Phage Display Library Using Cell-Based Biopanning. Antibodies, 2019, 8, 15.	1.2	3
49	Effect of Chainâ€End Chemistries on the Efficiency of Coupling Antibodies to Polymers Using Unnatural Amino Acids. Macromolecular Rapid Communications, 2020, 41, e2000294.	2.0	3
50	Generation of Nanoyeast Single-Chain Variable Fragments as High-Avidity Biomaterials for Dengue Virus Detection. ACS Biomaterials Science and Engineering, 2021, 7, 5850-5860.	2.6	3
51	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.	3.9	2
52	Antibody-Based Formats to Target Glioblastoma: Overcoming Barriers to Protein Drug Delivery. Molecular Pharmaceutics, 2022, 19, 1233-1247.	2.3	2
53	Next-Generation Molecular Discovery: From Bottom-Up In Vivo and In Vitro Approaches to In Silico Top-Down Approaches for Therapeutics Neogenesis. Life, 2022, 12, 363.	1.1	1
54	Production and characterisation of recombinant human chaperonin 10 for treatment of inflammatory disease. Process Biochemistry, 2015, 50, 1669-1679.	1.8	0

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55	Biosimilars approved for treatment of inflammatory rheumatological diseases. International Journal of Rheumatic Diseases, 2016, 19, 1043-1048.	0.9	0
56	Recent advances in the production of recombinant factor IX: bioprocessing and cell engineering. Critical Reviews in Biotechnology, 2023, 43, 484-502.	5.1	0
57	PD-L1-Targeted Co-Delivery of Two Chemotherapeutics for Efficient Suppression of Skin Cancer Growth. Pharmaceutics, 2022, 14, 1488.	2.0	0