

Christopher B Howard

List of Publications by Year in Descending Order

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Version: 2024-04-19

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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	Engineering eukaryote-like regulatory circuits to expand artificial control mechanisms for metabolic engineering in <i>Saccharomyces cerevisiae</i> .. <i>Communications Biology</i> , 2022 , 5, 135	6.7	1
50	Understanding nanomedicine treatment in an aggressive spontaneous brain cancer model at the stage of early blood brain barrier disruption.. <i>Biomaterials</i> , 2022 , 283, 121416	15.6	0
49	Recent advances in the production of recombinant factor IX: bioprocessing and cell engineering.. <i>Critical Reviews in Biotechnology</i> , 2022 , 1-19	9.4	
48	Perfusion culture of Chinese Hamster Ovary cells for bioprocessing applications. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-17	9.4	1
47	Coagulation factor IX analysis in bioreactor cell culture supernatant predicts quality of the purified product. <i>Communications Biology</i> , 2021 , 4, 390	6.7	4
46	Amplification-Free SARS-CoV-2 Detection Using Nanoyeast-scFv and Ultrasensitive Plasmonic Nanobox-Integrated Nanomixing Microassay. <i>Analytical Chemistry</i> , 2021 , 93, 10251-10260	7.8	3
45	A bispecific T cell engager targeting Glypican-1 redirects T cell cytolytic activity to kill prostate cancer cells. <i>BMC Cancer</i> , 2020 , 20, 1214	4.8	3
44	Understanding the Uptake of Nanomedicines at Different Stages of Brain Cancer Using a Modular Nanocarrier Platform and Precision Bispecific Antibodies. <i>ACS Central Science</i> , 2020 , 6, 727-738	16.8	18
43	Identification of novel glycosylation events on human serum-derived factor IX. <i>Glycoconjugate Journal</i> , 2020 , 37, 471-483	3	2
42	Targeting the undruggable: emerging technologies in antibody delivery against intracellular targets. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 1189-1211	8	8
41	Targeted and modular architectural polymers employing bioorthogonal chemistry for quantitative therapeutic delivery. <i>Chemical Science</i> , 2020 , 11, 3268-3280	9.4	10
40	S-Trap Eliminates Cell Culture Media Polymeric Surfactants for Effective Proteomic Analysis of Mammalian Cell Bioreactor Supernatants. <i>Journal of Proteome Research</i> , 2020 , 19, 2149-2158	5.6	4
39	Glycoproteomic measurement of site-specific polysialylation. <i>Analytical Biochemistry</i> , 2020 , 596, 113625	3.1	2
38	Investigation of the Therapeutic Potential of a Synergistic Delivery System through Dual Controlled Release of CamptothecinDoxorubicin. <i>Advanced Therapeutics</i> , 2020 , 3, 1900202	4.9	4
37	Targeted camptothecin delivery via silicon nanoparticles reduces breast cancer metastasis. <i>Biomaterials</i> , 2020 , 240, 119791	15.6	40
36	Effect of Chain-End Chemistries on the Efficiency of Coupling Antibodies to Polymers Using Unnatural Amino Acids. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000294	4.8	
35	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. <i>ACS Nano</i> , 2020 , 14, 13739-13753	16.7	10

34	Polymer design and component selection contribute to uptake, distribution & trafficking behaviours of polyethylene glycol hyperbranched polymers in live MDA-MB-468 breast cancer cells. <i>Biomaterials Science</i> , 2019 , 7, 4661-4674	7.4	7
33	Wavelength-Dependent Fluorescent Immunosensors via Incorporation of Polarity Indicators near the Binding Interface of Antibody Fragments. <i>Analytical Chemistry</i> , 2019 , 91, 7631-7638	7.8	7
32	Multifunctional lipid-coated calcium phosphate nanoplatfoms for complete inhibition of large triple negative breast cancer via targeted combined therapy. <i>Biomaterials</i> , 2019 , 216, 119232	15.6	15
31	Canine CD117-Specific Antibodies with Diverse Binding Properties Isolated from a Phage Display Library Using Cell-Based Biopanning. <i>Antibodies</i> , 2019 , 8,	7	2
30	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801607	10.1	24
29	Cellular Targeting of Bispecific Antibody-Functionalized Poly(ethylene glycol) Capsules: Do Shape and Size Matter?. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28720-28731	9.5	9
28	Single droplet detection of immune checkpoints on a multiplexed electrohydrodynamic biosensor. <i>Analyst, The</i> , 2019 , 144, 6914-6921	5	9
27	Retooling phage display with electrohydrodynamic nanomixing and nanopore sequencing. <i>Lab on A Chip</i> , 2019 , 19, 4083-4092	7.2	1
26	A SERS microfluidic platform for targeting multiple soluble immune checkpoints. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 178-186	11.8	32
25	Bispecific Antibody-Functionalized Upconversion Nanoprobe. <i>Analytical Chemistry</i> , 2018 , 90, 3024-3029	7.8	15
24	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. <i>Nanoscale</i> , 2018 , 10, 4258-4266	7.7	50
23	Functional domain analysis of SOX18 transcription factor using a single-chain variable fragment-based approach. <i>MAbs</i> , 2018 , 10, 596-606	6.6	5
22	Geometric optimisation of electrohydrodynamic fluid flows for enhanced biosensing. <i>Microchemical Journal</i> , 2018 , 137, 231-237	4.8	9
21	Recent Advances in the Generation of Antibody-Nanomaterial Conjugates. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700607	10.1	63
20	Enhanced uptake of potassium or glycine betaine or export of cyclic-di-AMP restores osmoresistance in a high cyclic-di-AMP <i>Lactococcus lactis</i> mutant. <i>PLoS Genetics</i> , 2018 , 14, e1007574	6	40
19	Multiplexed SERS Detection of Soluble Cancer Protein Biomarkers with Gold-Silver Alloy Nanoboxes and Nanoyeast Single-Chain Variable Fragments. <i>Analytical Chemistry</i> , 2018 , 90, 10377-10384	7.8	40
18	RNA interference to enhance radiation therapy: Targeting the DNA damage response. <i>Cancer Letters</i> , 2018 , 439, 14-23	9.9	7
17	Insights into the interfacial structure-function of poly(ethylene glycol)-decorated peptide-stabilised nanoscale emulsions. <i>Soft Matter</i> , 2017 , 13, 7953-7961	3.6	11

16	Targeting mesothelin receptors with drug-loaded bacterial nanocells suppresses human mesothelioma tumour growth in mouse xenograft models. <i>PLoS ONE</i> , 2017 , 12, e0186137	3.7	8
15	Strategies for Selecting Membrane Protein-Specific Antibodies using Phage Display with Cell-Based Panning. <i>Antibodies</i> , 2017 , 6,	7	17
14	Targeted Nanomaterials: Overcoming Instability of Antibody-Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies (Adv. Healthcare Mater. 16/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 1994-1994	10.1	2
13	Targeting membrane proteins for antibody discovery using phage display. <i>Scientific Reports</i> , 2016 , 6, 26240	4.9	42
12	Overcoming Instability of Antibody-Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2055-68	10.1	36
11	Beyond Antibodies: Development of a Novel Protein Scaffold Based on Human Chaperonin 10. <i>Scientific Reports</i> , 2016 , 5, 37348	4.9	2
10	Biosensing made easy with PEG-targeted bi-specific antibodies. <i>Chemical Communications</i> , 2016 , 52, 5739-5743	3	10
9	Preparation of optimized lipid-coated calcium phosphate nanoparticles for enhanced in vitro gene delivery to breast cancer cells. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6805-6812	7.3	61
8	Production and characterisation of recombinant human chaperonin 10 for treatment of inflammatory disease. <i>Process Biochemistry</i> , 2015 , 50, 1669-1679	4.8	
7	Development of a protein nanoparticle platform for targeting EGFR expressing cancer cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1230-1236	3.5	10
6	An EGFR targeting nanoparticle self assembled from a thermoresponsive polymer. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1222-1229	3.5	9
5	Nanocell targeting using engineered bispecific antibodies. <i>MAbs</i> , 2015 , 7, 53-65	6.6	28
4	Pathogen sensing by nucleotide-binding oligomerization domain-containing protein 2 (NOD2) is mediated by direct binding to muramyl dipeptide and ATP. <i>Journal of Biological Chemistry</i> , 2012 , 287, 23057-67	5.4	124
3	Heat shock protein 10 inhibits lipopolysaccharide-induced inflammatory mediator production. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4037-47	5.4	125
2	Identification and minisequencing-based discrimination of SHV beta-lactamases in nosocomial infection-associated <i>Klebsiella pneumoniae</i> in Brisbane, Australia. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 659-64	5.9	19
1	Identification of novel glycosylation events on human serum-derived Factor IX		1