

Stephen M Mahler

List of Publications by Year in Descending Order

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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.

75
papers

1,357
citations

19
h-index

34
g-index

84
ext. papers

1,660
ext. citations

6.6
avg, IF

4.46
L-index

#	Paper	IF	Citations
75	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
74	Aggregates in blood filter chambers used from the plasma donations of anti-D donors: evaluation for monoclonal antibody discovery using phage display. <i>Blood Transfusion</i> , 2021 , 19, 64-72	3.6	0
73	Perfusion culture of Chinese Hamster Ovary cells for bioprocessing applications. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-17	9.4	1
72	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
71	Omics driven discoveries of gene targets for apoptosis attenuation in CHO cells. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 481-490	4.9	1
70	Recombinant Antibody Engineering Enables Reversible Binding for Continuous Protein Biosensing. <i>ACS Sensors</i> , 2021 , 6, 764-776	9.2	4
69	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
68	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
67	Targeting the undruggable: emerging technologies in antibody delivery against intracellular targets. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 1189-1211	8	8
66	Targeted and modular architectural polymers employing bioorthogonal chemistry for quantitative therapeutic delivery. <i>Chemical Science</i> , 2020 , 11, 3268-3280	9.4	10
65	Safety, tolerability, pharmacokinetics, and immunogenicity of a human monoclonal antibody targeting the G glycoprotein of henipaviruses in healthy adults: a first-in-human, randomised, controlled, phase 1 study. <i>Lancet Infectious Diseases</i> , 2020 , 20, 445-454	25.5	20
64	Attenuating apoptosis in Chinese hamster ovary cells for improved biopharmaceutical production. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1187-1203	4.9	16
63	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. <i>ACS Nano</i> , 2020 , 14, 13739-13753	16.7	10
62	Phage Display Derived Monoclonal Antibodies: From Bench to Bedside. <i>Frontiers in Immunology</i> , 2020 , 11, 1986	8.4	48
61	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
60	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
59	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

58	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801607	10.1	24
57	Innovative Therapeutic Strategies for Effective Treatment of Brain Metastases. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13
56	Retooling phage display with electrohydrodynamic nanomixing and nanopore sequencing. <i>Lab on A Chip</i> , 2019 , 19, 4083-4092	7.2	1
55	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
54	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
53	Recent Advances in the Generation of Antibody-Nanomaterial Conjugates. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700607	10.1	63
52	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
51	Selection of Antibodies to Transiently Expressed Membrane Proteins Using Phage Display. <i>Methods in Molecular Biology</i> , 2018 , 1827, 179-195	1.4	2
50	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
49	Isolation of serotype-specific antibodies against dengue virus non-structural protein 1 using phage display and application in a multiplexed serotyping assay. <i>PLoS ONE</i> , 2017 , 12, e0180669	3.7	20
48	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
47	Cell-free pipeline for discovery of thermotolerant xylanases and endo-1,4-β-glucanases. <i>Journal of Biotechnology</i> , 2017 , 259, 191-198	3.7	2
46	Safety of biologics therapy: Monoclonal antibodies, cytokines, fusion proteins, hormones, enzymes, coagulation proteins, vaccines, botulinum toxins. <i>MAbs</i> , 2017 , 9, 885-888	6.6	5
45	Computational Identification of Antibody Epitopes on the Dengue Virus NS1 Protein. <i>Molecules</i> , 2017 , 22,	4.8	8
44	Strategies for Selecting Membrane Protein-Specific Antibodies using Phage Display with Cell-Based Panning. <i>Antibodies</i> , 2017 , 6,	7	17
43	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
42	Targeting membrane proteins for antibody discovery using phage display. <i>Scientific Reports</i> , 2016 , 6, 26240	4.9	42
41	Nanoyeast and Other Cell Envelope Compositions for Protein Studies and Biosensor Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30649-30664	9.5	13

40	CMRF-56(+) blood dendritic cells loaded with mRNA induce effective antigen-specific cytotoxic T-lymphocyte responses. <i>Oncolmmunology</i> , 2016 , 5, e1168555	7.2	14
39	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
38	Beyond Antibodies: Development of a Novel Protein Scaffold Based on Human Chaperonin 10. <i>Scientific Reports</i> , 2016 , 5, 37348	4.9	2
37	Biosensing made easy with PEG-targeted bi-specific antibodies. <i>Chemical Communications</i> , 2016 , 52, 5739-5	9.3	10
36	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
35	Production and characterisation of recombinant human chaperonin 10 for treatment of inflammatory disease. <i>Process Biochemistry</i> , 2015 , 50, 1669-1679	4.8	
34	Monoclonal antibody-targeted polymeric nanoparticles for cancer therapy future prospects. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1169-1176	3.5	22
33	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
32	Effect of energy source, salt concentration and loading force on colloidal interactions between Acidithiobacillus ferrooxidans cells and mineral surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 132, 271-80	6	9
31	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
30	Nanocell targeting using engineered bispecific antibodies. <i>MAbs</i> , 2015 , 7, 53-65	6.6	28
29	Quantifying adhesion of acidophilic bioleaching bacteria to silica and pyrite by atomic force microscopy with a bacterial probe. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 115, 229-36	6	28
28	Comparison and evaluation of immobilization methods for preparing bacterial probes using acidophilic bioleaching bacteria Acidithiobacillus thiooxidans for AFM studies. <i>Journal of Microbiological Methods</i> , 2014 , 102, 12-4	2.8	4
27	A concise review of nanoscopic aspects of bioleaching bacteria-mineral interactions. <i>Advances in Colloid and Interface Science</i> , 2014 , 212, 45-63	14.3	42
26	Production and characterization of specific monoclonal antibodies binding the Plasmodium falciparum diagnostic biomarker, histidine-rich protein 2. <i>Malaria Journal</i> , 2014 , 13, 277	3.6	16
25	Differences in adhesion of A. thiooxidans and A. ferrooxidans on chalcopyrite as revealed by atomic force microscopy with bacterial probes. <i>Minerals Engineering</i> , 2014 , 61, 9-15	4.9	16
24	Clonal selection of high producing, stably transfected HEK293 cell lines utilizing modified, high-throughput FACS screening. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 935-941	3.5	13
23	Analytical strategies for assessing comparability of biosimilars. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 915-922	3.5	13

22	Bridging the gap: facilities and technologies for development of early stage therapeutic mAb candidates. <i>MABs</i> , 2011 , 3, 440-52	6.6	11
21	Disease-specific, neurosphere-derived cells as models for brain disorders. <i>DMM Disease Models and Mechanisms</i> , 2010 , 3, 785-98	4.1	146
20	A method for rapid, ligation-independent reformatting of recombinant monoclonal antibodies. <i>Journal of Immunological Methods</i> , 2010 , 354, 85-90	2.5	35
19	A sensitive and specific ELISA detects methionine sulfoxide-containing apolipoprotein A-I in HDL. <i>Journal of Lipid Research</i> , 2009 , 50, 586-594	6.3	19
18	BioPEGylation of polyhydroxyalkanoates: influence on properties and satellite-stem cell cycle. <i>Biomacromolecules</i> , 2008 , 9, 2719-26	6.9	15
17	The macrophageBiomaterial interface: a proteomic analysis of the conditioned medium environment. <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 482-495	3.5	3
16	Expression proteomics of olfactory ensheathing cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 473-481	3.5	7
15	Material surfaces affect the protein expression patterns of human macrophages: A proteomics approach. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 895-908	5.4	35
14	Purification of monoclonal antibodies from cell culture supernatants by Gradiflow [®] electrophoresis technology. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 445-453	3.5	4
13	Fractionation of follicle stimulating hormone charge isoforms in their native form by preparative electrophoresis technology. <i>Journal of Biotechnology</i> , 2006 , 122, 73-85	3.7	5
12	Expression and characterisation of recombinant human CD48 and isolation of a human anti-CD48 monoclonal antibody by phage display. <i>Journal of Chemical Technology and Biotechnology</i> , 2005 , 80, 782-795	3.5	3
11	The Application of Emerging Technologies in Genomics and Proteomics to Drug Development. <i>Journal of Pharmacy Practice and Research</i> , 2003 , 33, 7-11	0.7	3
10	Purification of recombinant human growth hormone from CHO cell culture supernatant by Gradiflow preparative electrophoresis technology. <i>Protein Expression and Purification</i> , 2003 , 32, 126-34	2	19
9	Purification of Fab fragments from a monoclonal antibody papain digest by Gradiflow electrophoresis. <i>Protein Expression and Purification</i> , 2003 , 32, 246-51	2	22
8	Comparison of the Efficiency of Moloney Murine Leukaemia Virus (M-MuLV) Reverse Transcriptase, RNase H--M-MuLV Reverse Transcriptase and Avian Myeloblastoma Leukaemia Virus (AMV) Reverse Transcriptase for the Amplification of Human Immunoglobulin Genes. <i>Biotechnology Letters</i> , 1998 , 12, 485-489		7
7	Cloning and expression of human V-genes derived from phage display libraries as fully assembled human anti-TNF alpha monoclonal antibodies. <i>Immunotechnology: an International Journal of Immunological Engineering</i> , 1997 , 3, 31-43		14
6	Biological activity and metabolic clearance of recombinant human follicle stimulating hormone produced in Sp2/0 myeloma cells. <i>Cytotechnology</i> , 1996 , 21, 171-82	2.2	
5	Guiding the selection of human antibodies from phage display repertoires to a single epitope of an antigen. <i>Nature Biotechnology</i> , 1994 , 12, 899-903	44.5	130

4	Studies on regenerating liver and hepatoma plasma membranes--I. Lipid and protein composition. <i>International Journal of Biochemistry & Cell Biology</i> , 1988 , 20, 605-11		19
3	Studies on regenerating liver and hepatoma plasma membranes--II. Membrane fluidity and enzyme activity. <i>International Journal of Biochemistry & Cell Biology</i> , 1988 , 20, 613-9		16
2	Desensitization of adenylate cyclase and cyclic AMP flux during the early stages of liver regeneration. <i>Journal of Cellular Physiology</i> , 1988 , 136, 88-94	7	10
1	Chemogenetic Manipulations of Ventral Tegmental Area Dopamine Neurons Reveal Multifaceted Roles in Cocaine Abuse		1