

# Stephen M Mahler

## 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.

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	Disease-specific, neurosphere-derived cells as models for brain disorders. <i>DMM Disease Models and Mechanisms</i> , <b>2010</b> , 3, 785-98	4.1	146
74	Guiding the selection of human antibodies from phage display repertoires to a single epitope of an antigen. <i>Nature Biotechnology</i> , <b>1994</b> , 12, 899-903	44.5	130
73	Recent Advances in the Generation of Antibody-Nanomaterial Conjugates. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, 1700607	10.1	63
72	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> , <b>2015</b> , 3, 6805-6812	7.3	61
71	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> , <b>2018</b> , 10, 4258-4266	7.7	50
70	Phage Display Derived Monoclonal Antibodies: From Bench to Bedside. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1986	8.4	48
69	Targeting membrane proteins for antibody discovery using phage display. <i>Scientific Reports</i> , <b>2016</b> , 6, 26240	4.9	42
68	A concise review of nanoscopic aspects of bioleaching bacteria-mineral interactions. <i>Advances in Colloid and Interface Science</i> , <b>2014</b> , 212, 45-63	14.3	42
67	Multiplexed SERS Detection of Soluble Cancer Protein Biomarkers with Gold-Silver Alloy Nanoboxes and Nanoyeast Single-Chain Variable Fragments. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10377-10384	7.8	40
66	Overcoming Instability of Antibody-Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 2055-68	10.1	36
65	A method for rapid, ligation-independent reformatting of recombinant monoclonal antibodies. <i>Journal of Immunological Methods</i> , <b>2010</b> , 354, 85-90	2.5	35
64	Material surfaces affect the protein expression patterns of human macrophages: A proteomics approach. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 80, 895-908	5.4	35
63	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> , <b>2014</b> , 115, 229-36	6	28
62	Nanocell targeting using engineered bispecific antibodies. <i>MAbs</i> , <b>2015</b> , 7, 53-65	6.6	28
61	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801607	10.1	24
60	Monoclonal antibody-targeted polymeric nanoparticles for cancer therapy—future prospects. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1169-1176	3.5	22
59	Purification of Fab fragments from a monoclonal antibody papain digest by Gradiflow electrophoresis. <i>Protein Expression and Purification</i> , <b>2003</b> , 32, 246-51	2	22

58	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, The</i> , <b>2020</b> , 20, 445-454	25.5	20
57	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> , <b>2017</b> , 12, e0180669	3.7	20
56	A sensitive and specific ELISA detects methionine sulfoxide-containing apolipoprotein A-I in HDL. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 586-594	6.3	19
55	Purification of recombinant human growth hormone from CHO cell culture supernatant by Gradiflow preparative electrophoresis technology. <i>Protein Expression and Purification</i> , <b>2003</b> , 32, 126-34 <sup>2</sup>		19
54	Studies on regenerating liver and hepatoma plasma membranes--I. Lipid and protein composition. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1988</b> , 20, 605-11		19
53	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> , <b>2020</b> , 6, 727-738	16.8	18
52	Strategies for Selecting Membrane Protein-Specific Antibodies using Phage Display with Cell-Based Panning. <i>Antibodies</i> , <b>2017</b> , 6,	7	17
51	Production and characterization of specific monoclonal antibodies binding the Plasmodium falciparum diagnostic biomarker, histidine-rich protein 2. <i>Malaria Journal</i> , <b>2014</b> , 13, 277	3.6	16
50	Differences in adhesion of A. thiooxidans and A. ferrooxidans on chalcopyrite as revealed by atomic force microscopy with bacterial probes. <i>Minerals Engineering</i> , <b>2014</b> , 61, 9-15	4.9	16
49	Studies on regenerating liver and hepatoma plasma membranes--II. Membrane fluidity and enzyme activity. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1988</b> , 20, 613-9		16
48	Attenuating apoptosis in Chinese hamster ovary cells for improved biopharmaceutical production. <i>Biotechnology and Bioengineering</i> , <b>2020</b> , 117, 1187-1203	4.9	16
47	Multifunctional lipid-coated calcium phosphate nanoplatfoms for complete inhibition of large triple negative breast cancer via targeted combined therapy. <i>Biomaterials</i> , <b>2019</b> , 216, 119232	15.6	15
46	BioPEGylation of polyhydroxyalkanoates: influence on properties and satellite-stem cell cycle. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2719-26	6.9	15
45	CMRF-56(+) blood dendritic cells loaded with mRNA induce effective antigen-specific cytotoxic T-lymphocyte responses. <i>Oncology</i> , <b>2016</b> , 5, e1168555	7.2	14
44	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> , <b>1997</b> , 3, 31-43		14
43	Innovative Therapeutic Strategies for Effective Treatment of Brain Metastases. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	13
42	Nanoyeast and Other Cell Envelope Compositions for Protein Studies and Biosensor Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30649-30664	9.5	13
41	Clonal selection of high producing, stably transfected HEK293 cell lines utilizing modified, high-throughput FACS screening. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 935-941	3.5	13

40	Analytical strategies for assessing comparability of biosimilars. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 915-922	3.5	13
39	Insights into the interfacial structure-function of poly(ethylene glycol)-decorated peptide-stabilised nanoscale emulsions. <i>Soft Matter</i> , <b>2017</b> , 13, 7953-7961	3.6	11
38	Bridging the gap: facilities and technologies for development of early stage therapeutic mAb candidates. <i>MABs</i> , <b>2011</b> , 3, 440-52	6.6	11
37	Targeted and modular architectural polymers employing bioorthogonal chemistry for quantitative therapeutic delivery. <i>Chemical Science</i> , <b>2020</b> , 11, 3268-3280	9.4	10
36	Development of a protein nanoparticle platform for targeting EGFR expressing cancer cells. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1230-1236	3.5	10
35	Desensitization of adenylate cyclase and cyclic AMP flux during the early stages of liver regeneration. <i>Journal of Cellular Physiology</i> , <b>1988</b> , 136, 88-94	7	10
34	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. <i>ACS Nano</i> , <b>2020</b> , 14, 13739-13753	16.7	10
33	Biosensing made easy with PEG-targeted bi-specific antibodies. <i>Chemical Communications</i> , <b>2016</b> , 52, 5739-5743	9.3	10
32	Effect of energy source, salt concentration and loading force on colloidal interactions between <i>Acidithiobacillus ferrooxidans</i> cells and mineral surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 132, 271-80	6	9
31	An EGFR targeting nanoparticle self assembled from a thermoresponsive polymer. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1222-1229	3.5	9
30	Targeting the undruggable: emerging technologies in antibody delivery against intracellular targets. <i>Expert Opinion on Drug Delivery</i> , <b>2020</b> , 17, 1189-1211	8	8
29	Targeting mesothelin receptors with drug-loaded bacterial nanocells suppresses human mesothelioma tumour growth in mouse xenograft models. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186137	3.7	8
28	Computational Identification of Antibody Epitopes on the Dengue Virus NS1 Protein. <i>Molecules</i> , <b>2017</b> , 22,	4.8	8
27	Wavelength-Dependent Fluorescent Immunosensors via Incorporation of Polarity Indicators near the Binding Interface of Antibody Fragments. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 7631-7638	7.8	7
26	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> , <b>1998</b> , 12, 485-489		7
25	Expression proteomics of olfactory ensheathing cells. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 473-481	3.5	7
24	Functional domain analysis of SOX18 transcription factor using a single-chain variable fragment-based approach. <i>MABs</i> , <b>2018</b> , 10, 596-606	6.6	5
23	Safety of biologics therapy: Monoclonal antibodies, cytokines, fusion proteins, hormones, enzymes, coagulation proteins, vaccines, botulinum toxins. <i>MABs</i> , <b>2017</b> , 9, 885-888	6.6	5

22	Fractionation of follicle stimulating hormone charge isoforms in their native form by preparative electrophoresis technology. <i>Journal of Biotechnology</i> , <b>2006</b> , 122, 73-85	3.7	5
21	Comparison and evaluation of immobilization methods for preparing bacterial probes using acidophilic bioleaching bacteria <i>Acidithiobacillus thiooxidans</i> for AFM studies. <i>Journal of Microbiological Methods</i> , <b>2014</b> , 102, 12-4	2.8	4
20	Purification of monoclonal antibodies from cell culture supernatants by Gradiflow <sup>®</sup> electrophoresis technology. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2006</b> , 81, 445-453	3.5	4
19	Coagulation factor IX analysis in bioreactor cell culture supernatant predicts quality of the purified product. <i>Communications Biology</i> , <b>2021</b> , 4, 390	6.7	4
18	Recombinant Antibody Engineering Enables Reversible Binding for Continuous Protein Biosensing. <i>ACS Sensors</i> , <b>2021</b> , 6, 764-776	9.2	4
17	A bispecific T cell engager targeting Glypican-1 redirects T cell cytolytic activity to kill prostate cancer cells. <i>BMC Cancer</i> , <b>2020</b> , 20, 1214	4.8	3
16	The macrophage-biomaterial interface: a proteomic analysis of the conditioned medium environment. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 482-495	3.5	3
15	The Application of Emerging Technologies in Genomics and Proteomics to Drug Development. <i>Journal of Pharmacy Practice and Research</i> , <b>2003</b> , 33, 7-11	0.7	3
14	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> , <b>2005</b> , 80, 782-795	3.5	3
13	Canine CD117-Specific Antibodies with Diverse Binding Properties Isolated from a Phage Display Library Using Cell-Based Biopanning. <i>Antibodies</i> , <b>2019</b> , 8,	7	2
12	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> , <b>2016</b> , 5, 1994-1994	10.1	2
11	Cell-free pipeline for discovery of thermotolerant xylanases and endo-1,4-β-glucanases. <i>Journal of Biotechnology</i> , <b>2017</b> , 259, 191-198	3.7	2
10	Beyond Antibodies: Development of a Novel Protein Scaffold Based on Human Chaperonin 10. <i>Scientific Reports</i> , <b>2016</b> , 5, 37348	4.9	2
9	Selection of Antibodies to Transiently Expressed Membrane Proteins Using Phage Display. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1827, 179-195	1.4	2
8	Perfusion culture of Chinese Hamster Ovary cells for bioprocessing applications. <i>Critical Reviews in Biotechnology</i> , <b>2021</b> , 1-17	9.4	1
7	Chemogenetic Manipulations of Ventral Tegmental Area Dopamine Neurons Reveal Multifaceted Roles in Cocaine Abuse		1
6	Retooling phage display with electrohydrodynamic nanomixing and nanopore sequencing. <i>Lab on A Chip</i> , <b>2019</b> , 19, 4083-4092	7.2	1
5	Omics driven discoveries of gene targets for apoptosis attenuation in CHO cells. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 481-490	4.9	1

4	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> , <b>2021</b> , 19, 64-72	3.6	o
3	Understanding nanomedicine treatment in an aggressive spontaneous brain cancer model at the stage of early blood brain barrier disruption.. <i>Biomaterials</i> , <b>2022</b> , 283, 121416	15.6	o
2	Production and characterisation of recombinant human chaperonin 10 for treatment of inflammatory disease. <i>Process Biochemistry</i> , <b>2015</b> , 50, 1669-1679	4.8	
1	Biological activity and metabolic clearance of recombinant human follicle stimulating hormone produced in Sp2/0 myeloma cells. <i>Cytotechnology</i> , <b>1996</b> , 21, 171-82	2.2	