

# Christopher P. Marquis

## 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.

85  
papers

2,937  
citations

29  
h-index

53  
g-index

87  
ext. papers

3,382  
ext. citations

5.9  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
85	Cytotoxic origin of copper(II) oxide nanoparticles: comparative studies with micron-sized particles, leachate, and metal salts. <i>ACS Nano</i> , <b>2011</b> , 5, 7214-25	16.7	253
84	The TGF- $\beta$ superfamily cytokine, MIC-1/GDF15: a pleiotropic cytokine with roles in inflammation, cancer and metabolism. <i>Growth Factors</i> , <b>2011</b> , 29, 187-95	1.6	172
83	Macrophage inhibitory cytokine-1 (MIC-1/GDF15): a new marker of all-cause mortality. <i>Aging Cell</i> , <b>2010</b> , 9, 1057-64	9.9	169
82	Nanoparticle-protein corona complexes govern the biological fates and functions of nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 2060-2083	7.3	165
81	Reversible antimicrobial photoswitching in nanosilver. <i>Small</i> , <b>2009</b> , 5, 341-4	11	139
80	Effects of serum adsorption on cellular uptake profile and consequent impact of titanium dioxide nanoparticles on human lung cell lines. <i>ACS Nano</i> , <b>2012</b> , 6, 4083-93	16.7	115
79	Bactericidal effects of titanium dioxide-based photocatalysts. <i>Chemical Engineering Journal</i> , <b>2005</b> , 113, 55-63	14.7	109
78	Assembly of polyethylenimine-based magnetic iron oxide vectors: insights into gene delivery. <i>Langmuir</i> , <b>2010</b> , 26, 7314-26	4	104
77	TGF- $\beta$ superfamily cytokine MIC-1/GDF15 is a physiological appetite and body weight regulator. <i>PLoS ONE</i> , <b>2013</b> , 8, e55174	3.7	104
76	Acid Degradable and Biocompatible Polymeric Nanoparticles for the Potential Codelivery of Therapeutic Agents. <i>Macromolecules</i> , <b>2011</b> , 44, 8008-8019	5.5	93
75	Organohalide Respiring Bacteria and Reductive Dehalogenases: Key Tools in Organohalide Bioremediation. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 249	5.7	87
74	Macrophage inhibitory cytokine-1 (MIC-1/GDF15) and mortality in end-stage renal disease. <i>Nephrology Dialysis Transplantation</i> , <b>2012</b> , 27, 70-5	4.3	80
73	Polymersomes prepared from thermoresponsive fluorescent protein-polymer bioconjugates: capture of and report on drug and protein payloads. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5317-22	16.4	75
72	Polyethylenimine based magnetic iron-oxide vector: the effect of vector component assembly on cellular entry mechanism, intracellular localization, and cellular viability. <i>Biomacromolecules</i> , <b>2010</b> , 11, 2521-31	6.9	68
71	The anorectic actions of the TGF $\beta$ cytokine MIC-1/GDF15 require an intact brainstem area postrema and nucleus of the solitary tract. <i>PLoS ONE</i> , <b>2014</b> , 9, e100370	3.7	67
70	Reductive Dehalogenases Come of Age in Biological Destruction of Organohalides. <i>Trends in Biotechnology</i> , <b>2015</b> , 33, 595-610	15.1	65
69	Induced adaptation of Bacillus sp. to antimicrobial nanosilver. <i>Small</i> , <b>2013</b> , 9, 3554-60	11	64

68	The mouse antibody heavy chain repertoire is germline-focused and highly variable between inbred strains. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 370,	5.8	62
67	Widespread and Indiscriminate Nanosilver Use: Genuine Potential for Microbial Resistance. <i>ACS Nano</i> , <b>2017</b> , 11, 3438-3445	16.7	54
66	Chromera velia is endosymbiotic in larvae of the reef corals <i>Acropora digitifera</i> and <i>A. tenuis</i> . <i>Protist</i> , <b>2013</b> , 164, 237-44	2.5	48
65	Cereulide, the emetic toxin of <i>Bacillus cereus</i> , is putatively a product of nonribosomal peptide synthesis. <i>Journal of Applied Microbiology</i> , <b>2004</b> , 97, 992-1000	4.7	44
64	Submicron and nano formulations of titanium dioxide and zinc oxide stimulate unique cellular toxicological responses in the green microalga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Hazardous Materials</i> , <b>2013</b> , 260, 984-92	12.8	43
63	Serum Levels of Human MIC-1/GDF15 Vary in a Diurnal Pattern, Do Not Display a Profile Suggestive of a Satiety Factor and Are Related to BMI. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133362	3.7	43
62	Enzymatic conversion of coconut oil for biodiesel production. <i>Fuel Processing Technology</i> , <b>2013</b> , 106, 721-726	7.2	41
61	Biological impacts of TiO <sub>2</sub> on human lung cell lines A549 and H1299: particle size distribution effects. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 3801-3813	2.3	38
60	Effect of TiO <sub>2</sub> nanoparticle surface functionalization on protein adsorption, cellular uptake and cytotoxicity: the attachment of PEG comb polymers using catalytic chain transfer and thiol-ene chemistry. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 2743	4.9	37
59	Treatment with the TGF- $\beta$ superfamily cytokine MIC-1/GDF15 reduces the adiposity and corrects the metabolic dysfunction of mice with diet-induced obesity. <i>International Journal of Obesity</i> , <b>2018</b> , 42, 561-571	5.5	36
58	Bi-functional gold-coated magnetite composites with improved biocompatibility. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 354, 536-45	9.3	32
57	An evaluation of the antimicrobial properties of the eggs of 11 species of scleractinian corals. <i>Coral Reefs</i> , <b>2005</b> , 24, 248-253	4.2	32
56	Dependency of engine combustion on blending ratio variations of lipase-catalysed coconut oil biodiesel and petroleum diesel. <i>Fuel</i> , <b>2016</b> , 169, 146-157	7.1	27
55	A fluorescence-based high-throughput screen to identify small compound inhibitors of the genotype 3a hepatitis C virus RNA polymerase. <i>Journal of Biomolecular Screening</i> , <b>2013</b> , 18, 1027-34		26
54	Fundamentals and electrochemical applications of [NiFe]-uptake hydrogenases. <i>RSC Advances</i> , <b>2013</b> , 3, 8142	3.7	25
53	Nanosilver Targets the Bacterial Cell Envelope: The Link with Generation of Reactive Oxygen Radicals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 5557-5568	9.5	24
52	Perfluorodecalin nanocapsule as an oxygen carrier and contrast agent for ultrasound imaging. <i>RSC Advances</i> , <b>2014</b> , 4, 13052	3.7	22
51	Polymersomes Prepared from Thermoresponsive Fluorescent Protein Polymer Bioconjugates: Capture of and Report on Drug and Protein Payloads. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5407-5412	3.6	19

50	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	2	19
49	An improved process for the production of highly purified recombinant thaumatin tagged-variants. <i>Food Chemistry</i> , <b>2017</b> , 237, 825-832	8.5	16
48	Nanosilver and the microbiological activity of the particulate solids versus the leached soluble silver. <i>Nanotoxicology</i> , <b>2018</b> , 12, 263-273	5.3	16
47	Development of Super-CHO protein-free medium based on a statistical design. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2007</b> , 82, 431-441	3.5	16
46	An analysis of some batch and continuous kinetic data of specific monoclonal antibody production from hybridomas. <i>Cytotechnology</i> , <b>1991</b> , 6, 189-95	2.2	15
45	pH control options for hybridoma cultures. <i>Biotechnology Letters</i> , <b>1989</b> , 3, 73-78		15
44	T4 bacteriophage conjugated magnetic particles for E. coli capturing: Influence of bacteriophage loading, temperature and tryptone. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 151, 47-57	6	14
43	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
42	Genomic, transcriptomic and proteomic analyses of Dehalobacter UNSWDHB in response to chloroform. <i>Environmental Microbiology Reports</i> , <b>2016</b> , 8, 814-824	3.7	14
41	An analysis of the changes in soluble hydrogenase and global gene expression in Cupriavidus necator (Ralstonia eutropha) H16 grown in heterotrophic diauxic batch culture. <i>Microbial Cell Factories</i> , <b>2015</b> , 14, 42	6.4	13
40	A Comparative Analysis on Engine Performance of a Conventional Diesel Fuel and 10% Biodiesel Blends Produced from Coconut Oils. <i>SAE International Journal of Fuels and Lubricants</i> , <b>2015</b> , 8, 597-609	1.8	13
39	Agitation and aeration effects in suspension mammalian cell cultures. <i>Cytotechnology</i> , <b>1989</b> , 2, 163-70	2.2	13
38	Protein release from biodegradable polyHPMA-lysozyme conjugates resulting in bioactivity enhancement. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1398-404	4.5	12
37	One-pot synthesis of high molecular weight synthetic heteroprotein dimers driven by charge complementarity electrostatic interactions. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 9594-602	4.2	11
36	Zinc Oxide Nanoparticles Induce Cell Filamentation in Escherichia coli. <i>Particle and Particle Systems Characterization</i> , <b>2013</b> , 30, 375-380	3.1	11
35	Short Communication: Variable palatability of coral eggs to a planktivorous fish. <i>Marine and Freshwater Research</i> , <b>2001</b> , 52, 865	2.2	11
34	Process development for a recombinant Chinese hamster ovary (CHO) cell line utilizing a metal induced and amplified metallothionein expression system. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 88, 437-50	4.9	10
33	A bacterial chloroform reductive dehalogenase: purification and biochemical characterization. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 1640-1648	6.3	9

32	Purification and characterization of Ara h1 and Ara h3 from four peanut market types revealed higher order oligomeric structures. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 10352-8	5.7	9
31	Macrophage inhibitory cytokine-1/growth differentiation factor-15 as a predictor of colonic neoplasia. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2017</b> , 46, 347-354	6.1	9
30	Adsorption of T4 bacteriophages on planar indium tin oxide surface via controlled surface tailoring. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 468, 192-199	9.3	9
29	Heterologous Production and Purification of a Functional Chloroform Reductive Dehalogenase. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 548-552	4.9	8
28	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
27	A comparison of different culture methods for hybridoma propagation and monoclonal antibody production. <i>Cytotechnology</i> , <b>1990</b> , 4, 69-76	2.2	7
26	Growth differentiation factor-15 slows the growth of murine prostate cancer by stimulating tumor immunity. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233846	3.7	6
25	Antimicrobial activity of T4 bacteriophage conjugated indium tin oxide surfaces. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 514, 227-233	9.3	6
24	Production and purification of a soluble hydrogenase from <i>Ralstonia eutropha</i> H16 for potential hydrogen fuel cell applications. <i>MethodsX</i> , <b>2016</b> , 3, 242-50	1.9	6
23	Construction and use of a <i>Cupriavidus necator</i> H16 soluble hydrogenase promoter (PSH) fusion to gfp (green fluorescent protein). <i>PeerJ</i> , <b>2016</b> , 4, e2269	3.1	6
22	Evidence of heterogeneity in the antibody response against the platelet antigen 3a; recognition of an 11-mer peptide carrying the HPA-3a polymorphic determinant. <i>Vox Sanguinis</i> , <b>2009</b> , 96, 252-5	3.1	5
21	Carbohydrate and amino acid metabolism during batch culture of a human lymphoblastoid cell line, BTSN6. <i>Cytotechnology</i> , <b>1996</b> , 21, 121-32	2.2	5
20	Particle movement and fluid behavior visualization using an optically transparent 3D-printed micro-hydrocyclone. <i>Biomicrofluidics</i> , <b>2020</b> , 14, 064106	3.2	4
19	A two-step microengineered system for high-density cell retention from bioreactors. <i>Separation and Purification Technology</i> , <b>2021</b> , 254, 117610	8.3	4
18	Amino acid metabolism during batch culture of a murine hybridoma, AFP-27. <i>Cytotechnology</i> , <b>1996</b> , 21, 111-20	2.2	3
17	Biosynthesis of protein products by animal cells. Are growth and non-growth associated concepts valid or useful?. <i>Cytotechnology</i> , <b>1996</b> , 21, 133-48	2.2	3
16	Fed-Batch Propagation of Mouse Hybridoma and Human Lymphoblastoid Cell Lines (LCLs) <b>1993</b> , 425-431		3
15	Scanning Electrochemical Microscopy of Cytochrome c Peroxidase through the Orientation-Controlled Immobilisation of Cytochrome c. <i>ChemElectroChem</i> , <b>2016</b> , 3, 1150-1156	4.3	3

14	Development of a sensitive sandwich ELISA specific to 2S albumin (Ana o 3) as a stable protein marker for cashew nut residue detection in pre-packaged food products. <i>Food Control</i> , <b>2019</b> , 96, 432-440 <sup>6.2</sup>	3
13	Evaluation of the batch kinetics of the amino acid metabolism of a mouse hybridoma and human lymphoblastoid cell line using a pre-column FDNDEA derivitisation, HPLC technique. <i>Biotechnology Letters</i> , <b>1993</b> , 7, 799-804	2
12	In vitro coronal protein signatures and biological impact of silver nanoparticles synthesized with different natural polymers as capping agents. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 4424-4439	5.1 2
11	Antimicrobial Resistance: Induced Adaptation of Bacillus sp. to Antimicrobial Nanosilver (Small 21/2013). <i>Small</i> , <b>2013</b> , 9, 3553-3553	11 1
10	Novel Nematode-Killing Protein-1 (Nkp-1) from a Marine Epiphytic Bacterium. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8 1
9	Yield Improvements Utilising Fed-Batch Cultivation and Optimisation Strategies <b>1998</b> , 183-189	1
8	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
7	Design, Synthesis, and Evaluation of N- and C-Terminal Protein Bioconjugates as G Protein-Coupled Receptor Agonists. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 403-409	6.3
6	Nanoparticles: Zinc Oxide Nanoparticles Induce Cell Filamentation in Escherichia coli (Part. Part. Syst. Charact. 4/2013). <i>Particle and Particle Systems Characterization</i> , <b>2013</b> , 30, 374-374	3.1
5	Patterns of the specific productivity of the murine hybridoma, AFP-27, in batch culture <b>1995</b> , 787-791	
4	Growth differentiation factor-15 slows the growth of murine prostate cancer by stimulating tumor immunity <b>2020</b> , 15, e0233846	
3	Growth differentiation factor-15 slows the growth of murine prostate cancer by stimulating tumor immunity <b>2020</b> , 15, e0233846	
2	Growth differentiation factor-15 slows the growth of murine prostate cancer by stimulating tumor immunity <b>2020</b> , 15, e0233846	
1	Growth differentiation factor-15 slows the growth of murine prostate cancer by stimulating tumor immunity <b>2020</b> , 15, e0233846	