

Christopher P. Marquis

List of Publications by Year in descending order

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136950
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87
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docs citations

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times ranked

6831
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxic Origin of Copper(II) Oxide Nanoparticles: Comparative Studies with Micron-Sized Particles, Leachate, and Metal Salts. ACS Nano, 2011, 5, 7214-7225.	14.6	309
2	Macrophage inhibitory cytokine-1 (MIC-1/GDF15): a new marker of all-cause mortality. Aging Cell, 2010, 9, 1057-1064.	6.7	219
3	The TGF- β^2 superfamily cytokine, MIC-1/GDF15: A pleiotrophic cytokine with roles in inflammation, cancer and metabolism. Growth Factors, 2011, 29, 187-195.	1.7	214
4	Nanoparticle-protein corona complexes govern the biological fates and functions of nanoparticles. Journal of Materials Chemistry B, 2014, 2, 2060.	5.8	211
5	Reversible Antimicrobial Photoswitching in Nanosilver. Small, 2009, 5, 341-344.	10.0	158
6	TGF- β Superfamily Cytokine MIC-1/GDF15 Is a Physiological Appetite and Body Weight Regulator. PLoS ONE, 2013, 8, e55174.	2.5	142
7	Effects of Serum Adsorption on Cellular Uptake Profile and Consequent Impact of Titanium Dioxide Nanoparticles on Human Lung Cell Lines. ACS Nano, 2012, 6, 4083-4093.	14.6	134
8	Organohalide Respiring Bacteria and Reductive Dehalogenases: Key Tools in Organohalide Bioremediation. Frontiers in Microbiology, 2016, 7, 249.	3.5	132
9	Bactericidal effects of titanium dioxide-based photocatalysts. Chemical Engineering Journal, 2005, 113, 55-63.	12.7	123
10	Assembly of Polyethylenimine-Based Magnetic Iron Oxide Vectors: Insights into Gene Delivery. Langmuir, 2010, 26, 7314-7326.	3.5	114
11	Acid Degradable and Biocompatible Polymeric Nanoparticles for the Potential Codelivery of Therapeutic Agents. Macromolecules, 2011, 44, 8008-8019.	4.8	101
12	Macrophage inhibitory cytokine-1 (MIC-1/GDF15) and mortality in end-stage renal disease. Nephrology Dialysis Transplantation, 2012, 27, 70-75.	0.7	96
13	Polymersomes Prepared from Thermoresponsive Fluorescent Protein-Polymer Bioconjugates: Capture of and Report on Drug and Protein Payloads. Angewandte Chemie - International Edition, 2015, 54, 5317-5322.	13.8	93
14	Reductive Dehalogenases Come of Age in Biological Destruction of Organohalides. Trends in Biotechnology, 2015, 33, 595-610.	9.3	91
15	The Anorectic Actions of the TGF β^2 Cytokine MIC-1/GDF15 Require an Intact Brainstem Area Postrema and Nucleus of the Solitary Tract. PLoS ONE, 2014, 9, e100370.	2.5	91
16	Induced Adaptation of <i>Bacillus</i> sp. to Antimicrobial Nanosilver. Small, 2013, 9, 3554-3560.	10.0	81
17	The mouse antibody heavy chain repertoire is germline-focused and highly variable between inbred strains. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140236.	4.0	77
18	Widespread and Indiscriminate Nanosilver Use: Genuine Potential for Microbial Resistance. ACS Nano, 2017, 11, 3438-3445.	14.6	77

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19	Polyethylenimine Based Magnetic Iron-Oxide Vector: The Effect of Vector Component Assembly on Cellular Entry Mechanism, Intracellular Localization, and Cellular Viability. <i>Biomacromolecules</i> , 2010, 11, 2521-2531.	5.4	73
20	<i>Chromera velia</i> is Endosymbiotic in Larvae of the Reef Corals <i>Acropora digitifera</i> and <i>A. tenuis</i> . <i>Protist</i> , 2013, 164, 237-244.	1.5	68
21	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> , 2015, 10, e0133362.	2.5	66
22	Treatment with the TGF- β 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> , 2018, 42, 561-571.	3.4	64
23	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> , 2013, 260, 984-992.	12.4	56
24	Cereulide, the emetic toxin of <i>Bacillus cereus</i> , is putatively a product of nonribosomal peptide synthesis. <i>Journal of Applied Microbiology</i> , 2004, 97, 992-1000.	3.1	50
25	Enzymatic conversion of coconut oil for biodiesel production. <i>Fuel Processing Technology</i> , 2013, 106, 721-726.	7.2	49
26	Nanosilver Targets the Bacterial Cell Envelope: The Link with Generation of Reactive Oxygen Radicals. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5557-5568.	8.0	48
27	Effect of TiO ₂ 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> , 2012, 3, 2743.	3.9	43
28	Biological impacts of TiO ₂ on human lung cell lines A549 and H1299: particle size distribution effects. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3801-3813.	1.9	42
29	Bi-functional gold-coated magnetite composites with improved biocompatibility. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 536-545.	9.4	36
30	Genomic, transcriptomic and proteomic analyses of <i>Dehalobacter</i> UNSWDHB in response to chloroform. <i>Environmental Microbiology Reports</i> , 2016, 8, 814-824.	2.4	35
31	Fundamentals and electrochemical applications of [Ni-Fe]-uptake hydrogenases. <i>RSC Advances</i> , 2013, 3, 8142.	3.6	34
32	An evaluation of the antimicrobial properties of the eggs of 11 species of scleractinian corals. <i>Coral Reefs</i> , 2005, 24, 248-253.	2.2	33
33	Dependency of engine combustion on blending ratio variations of lipase-catalysed coconut oil biodiesel and petroleum diesel. <i>Fuel</i> , 2016, 169, 146-157.	6.4	33
34	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> , 2013, 18, 1027-1034.	2.6	28
35	Perfluorodecalin nanocapsule as an oxygen carrier and contrast agent for ultrasound imaging. <i>RSC Advances</i> , 2014, 4, 13052.	3.6	23
36	Nanosilver and the microbiological activity of the particulate solids versus the leached soluble silver. <i>Nanotoxicology</i> , 2018, 12, 263-273.	3.0	23

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37	Purification of recombinant human growth hormone from CHO cell culture supernatant by Gradiflow preparative electrophoresis technology. <i>Protein Expression and Purification</i> , 2003, 32, 126-134.	1.3	22
38	An improved process for the production of highly purified recombinant thaumatin tagged-variants. <i>Food Chemistry</i> , 2017, 237, 825-832.	8.2	22
39	Development of Super-CHO protein-free medium based on a statistical design. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 431-441.	3.2	19
40	An analysis of the changes in soluble hydrogenase and global gene expression in <i>Cupriavidus necator</i> (Ralstonia eutropha) H16 grown in heterotrophic diauxic batch culture. <i>Microbial Cell Factories</i> , 2015, 14, 42.	4.0	19
41	T4 bacteriophage conjugated magnetic particles for <i>E. coli</i> capturing: Influence of bacteriophage loading, temperature and tryptone. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 47-57.	5.0	18
42	An analysis of some batch and continuous kinetic data of specific monoclonal antibody production from hybridomas. <i>Cytotechnology</i> , 1991, 6, 189-195.	1.6	17
43	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> , 0, 8, 597-609.	0.2	17
44	A bacterial chloroform reductive dehalogenase: purification and biochemical characterization. <i>Microbial Biotechnology</i> , 2017, 10, 1640-1648.	4.2	17
45	pH control options for hybridoma cultures. <i>Biotechnology Letters</i> , 1989, 3, 73-78.	0.5	16
46	Short Communication: Variable palatability of coral eggs to a planktivorous fish. <i>Marine and Freshwater Research</i> , 2001, 52, 865.	1.3	16
47	Cloning and expression of human V-genes derived from phage display libraries as fully assembled human anti-TNF α monoclonal antibodies. <i>Immunotechnology: an International Journal of Immunological Engineering</i> , 1997, 3, 31-43.	2.4	15
48	Agitation and aeration effects in suspension mammalian cell cultures. <i>Cytotechnology</i> , 1989, 2, 163-170.	1.6	14
49	Growth differentiation factor-15 slows the growth of murine prostate cancer by stimulating tumor immunity. <i>PLoS ONE</i> , 2020, 15, e0233846.	2.5	14
50	Protein Release from Biodegradable PolyHPMA- α -Lysozyme Conjugates Resulting in Bioactivity Enhancement. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1398-1404.	3.3	13
51	Zinc Oxide Nanoparticles Induce Cell Filamentation in <i>Escherichia coli</i> . <i>Particle and Particle Systems Characterization</i> , 2013, 30, 375-380.	2.3	13
52	One-Pot Synthesis of High Molecular Weight Synthetic Heteroprotein Dimers Driven by Charge Complementarity Electrostatic Interactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 9594-9602.	3.2	13
53	Adsorption of T4 bacteriophages on planar indium tin oxide surface via controlled surface tailoring. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 192-199.	9.4	12
54	Heterologous Production and Purification of a Functional Chloroform Reductive Dehalogenase. <i>ACS Chemical Biology</i> , 2018, 13, 548-552.	3.4	12

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55	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> , 2012, 60, 10352-10358.	5.2	11
56	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> , 2004, 88, 437-450.	3.3	10
57	Macrophage inhibitory cytokineâ€1/growth differentiation factorâ€15 as a predictor of colonic neoplasia. <i>Alimentary Pharmacology and Therapeutics</i> , 2017, 46, 347-354.	3.7	10
58	Production and purification of a soluble hydrogenase from <i>Ralstonia eutropha</i> H16 for potential hydrogen fuel cell applications. <i>MethodsX</i> , 2016, 3, 242-250.	1.6	9
59	A two-step microengineered system for high-density cell retention from bioreactors. <i>Separation and Purification Technology</i> , 2021, 254, 117610.	7.9	9
60	A comparison of different culture methods for hybridoma propagation and monoclonal antibody production. <i>Cytotechnology</i> , 1990, 4, 69-76.	1.6	8
61	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> , 2019, 96, 432-440.	5.5	8
62	Particle movement and fluid behavior visualization using an optically transparent 3D-printed micro-hydrocyclone. <i>Biomicrofluidics</i> , 2020, 14, 064106.	2.4	8
63	Construction and use of a <i>Cupriavidus necator</i> H16 soluble hydrogenase promoter (P _{SH}) fusion to <i>gfp</i> (green fluorescent protein). <i>PeerJ</i> , 2016, 4, e2269.	2.0	8
64	Title is missing!. <i>Biotechnology Letters</i> , 1998, 12, 485-489.	0.5	7
65	Carbohydrate and amino acid metabolism during batch culture of a human lymphoblastoid cell line, BTSN6. <i>Cytotechnology</i> , 1996, 21, 121-132.	1.6	6
66	Biosynthesis of protein products by animal cells. Are growth and non-growth associated concepts valid or useful?. <i>Cytotechnology</i> , 1996, 21, 133-148.	1.6	6
67	Evidence of heterogeneity in the antibody response against the platelet antigen 3a; recognition of an 11â€mer peptide carrying the HPAâ€3a polymorphic determinant. <i>Vox Sanguinis</i> , 2009, 96, 252-255.	1.5	6
68	Antimicrobial activity of T4 bacteriophage conjugated indium tin oxide surfaces. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 227-233.	9.4	6
69	Amino acid metabolism during batch culture of a murine hybridoma, AFP-27. <i>Cytotechnology</i> , 1996, 21, 111-120.	1.6	4
70	In vitro coronal protein signatures and biological impact of silver nanoparticles synthesized with different natural polymers as capping agents. <i>Nanoscale Advances</i> , 2021, 3, 4424-4439.	4.6	4
71	Scanning Electrochemical Microscopy of Cytochromeâ€c Peroxidase through the Orientationâ€Controlled Immobilisation of Cytochromeâ€c. <i>ChemElectroChem</i> , 2016, 3, 1150-1156.	3.4	3
72	Fed-Batch Propagation of Mouse Hybridoma and Human Lymphoblastoid Cell Lines (LCLs). , 1993, , 425-431.		3

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73	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. Biotechnology Letters, 1993, 7, 799-804.	0.5	2
74	Novel Nematode-Killing Protein-1 (Nkp-1) from a Marine Epiphytic Bacterium Pseudoalteromonas tunicata. Biomedicines, 2021, 9, 1586.	3.2	2
75	A Tunable Tumor Microenvironment through Recombinant Bacterial Collagen-Hyaluronic Acid Hydrogels. ACS Applied Bio Materials, 0, , .	4.6	2
76	Antimicrobial Resistance: Induced Adaptation of Bacillus sp. to Antimicrobial Nanosilver (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	10.0	1
77	Design, Synthesis, and Evaluation of N- and C-Terminal Protein Bioconjugates as G Protein-Coupled Receptor Agonists. Bioconjugate Chemistry, 2018, 29, 403-409.	3.6	1
78	Yield Improvements Utilising Fed-Batch Cultivation and Optimisation Strategies. , 1998, , 183-189.		1
79	Nanoparticles: Zinc Oxide Nanoparticles Induce Cell Filamentation in <i>Escherichia coli</i> (Part.) Tj ETQq1 1 0.784314 rgBT /Overlock 2.3	2.3	0
80	Production and characterisation of recombinant human chaperonin 10 for treatment of inflammatory disease. Process Biochemistry, 2015, 50, 1669-1679.	3.7	0
81	Patterns of the specific productivity of the murine hybridoma, AFP-27, in batch culture. , 1995, , 787-791.		0
82	Title is missing!. , 2020, 15, e0233846.		0
83	Title is missing!. , 2020, 15, e0233846.		0
84	Title is missing!. , 2020, 15, e0233846.		0
85	Title is missing!. , 2020, 15, e0233846.		0