

Chun-Ming

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.

117
papers

5,047
citations

33
h-index

69
g-index

124
ext. papers

5,729
ext. citations

5.3
avg, IF

5.53
L-index

#	Paper	IF	Citations
117	Propionic acid produced by <i>Cutibacterium acnes</i> fermentation ameliorates ultraviolet B-induced melanin synthesis. <i>Scientific Reports</i> , 2021 , 11, 11980	4.9	3
116	Electricity-producing <i>Staphylococcus epidermidis</i> counteracts <i>Cutibacterium acnes</i> . <i>Scientific Reports</i> , 2021 , 11, 12001	4.9	0
115	Probiotic Activity of Induces Collagen Type I Production through FFaR2/p-ERK Signaling. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
114	Therapeutic Development Based on the Immunopathogenic Mechanisms of Psoriasis. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
113	Repurposing INCI-registered compounds as skin prebiotics for probiotic <i>Staphylococcus epidermidis</i> against UV-B. <i>Scientific Reports</i> , 2020 , 10, 21585	4.9	4
112	Adjuvant Effect of Toll-Like Receptor 9 Activation on Cancer Immunotherapy Using Checkpoint Blockade. <i>Frontiers in Immunology</i> , 2020 , 11, 1075	8.4	16
111	<i>Leuconostoc mesenteroides</i> fermentation produces butyric acid and mediates Ffar2 to regulate blood glucose and insulin in type 1 diabetic mice. <i>Scientific Reports</i> , 2020 , 10, 7928	4.9	13
110	Amplification of probiotic bacteria in the skin microbiome to combat <i>Staphylococcus aureus</i> infection. <i>Microbiology Australia</i> , 2020 , 41, 61	0.8	3
109	Novel Rifampicin and Indocyanine Green Co-Loaded Perfluorocarbon Nanodroplets Provide Effective Photo-Chemo-Probiotic Antimicrobality against Pathogen of <i>Acne Vulgaris</i> . <i>Nanomaterials</i> , 2020 , 10,	5.4	2
108	Antagonism against soil nematodes and plant pathogens and test of oxide solubilization in a subtropical wood-decay mushroom. <i>Tropical Ecology</i> , 2020 , 61, 173-179	1.3	
107	Skin <i>Cutibacterium acnes</i> Mediates Fermentation to Suppress the Calcium Phosphate-Induced Itching: A Butyric Acid Derivative with Potential for Uremic Pruritus. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	10
106	Cysteine-Capped Hydrogels Incorporating Copper as Effective Antimicrobial Materials against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Microorganisms</i> , 2020 , 8,	4.9	3
105	<i>Leuconostoc mesenteroides</i> mediates an electrogenic pathway to attenuate the accumulation of abdominal fat mass induced by high fat diet. <i>Scientific Reports</i> , 2020 , 10, 21916	4.9	2
104	First report of the oil palm disease fungus <i>Marasmius palmivorus</i> from Taiwan causing stem rot disease on native Formosa palm <i>Arenga engleri</i> as new host. <i>Letters in Applied Microbiology</i> , 2020 , 70, 143-150	2.9	1
103	Production of electricity and reduction of high-fat diet-induced IL-6 by glucose fermentation of <i>Leuconostoc mesenteroides</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020 , 533, 651-656	3.4	2
102	Toll-Like Receptor 21 of Chicken and Duck Recognize a Broad Array of Immunostimulatory CpG-oligodeoxynucleotide Sequences. <i>Vaccines</i> , 2020 , 8,	5.3	2
101	Mouse Abdominal Fat Depots Reduced by Butyric Acid-Producing. <i>Microorganisms</i> , 2020 , 8,	4.9	2

100	PEG-8 Laurate Fermentation of Reduces the Required Dose of Clindamycin Against. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
99	Skin Bacteria Mediate Glycerol Fermentation to Produce Electricity and Resist UV-B. <i>Microorganisms</i> , 2020 , 8,	4.9	6
98	Butyric Acid from Probiotic in the Skin Microbiome Down-Regulates the Ultraviolet-Induced Pro-Inflammatory IL-6 Cytokine via Short-Chain Fatty Acid Receptor. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	24
97	A Derivative of Butyric Acid, the Fermentation Metabolite of , Inhibits the Growth of a Strain Isolated from Atopic Dermatitis Patients. <i>Toxins</i> , 2019 , 11,	4.9	14
96	Prospects of acne vaccines targeting secreted virulence factors of Cutibacterium acnes. <i>Expert Review of Vaccines</i> , 2019 , 18, 433-437	5.2	5
95	Intelligent Metal-Phenolic Metallogels as Dressings for Infected Wounds. <i>Scientific Reports</i> , 2019 , 9, 11562	4.9	25
94	IL-6/p-BTK/p-ERK signaling mediates calcium phosphate-induced pruritus. <i>FASEB Journal</i> , 2019 , 33, 12036-12046	6.1	20
93	The plant growth-promoting potential of the mesophilic wood-rot mushroom Pleurotus pulmonarius. <i>Journal of Applied Microbiology</i> , 2019 , 127, 1157-1171	4.7	2
92	5-methyl Furfural Reduces the Production of Malodors by Inhibiting Sodium L-lactate Fermentation of : Implication for Deodorants Targeting the Fermenting Skin Microbiome. <i>Microorganisms</i> , 2019 , 7,	4.9	6
91	A Microtube Array Membrane (MTAM) Encapsulated Live Fermenting Staphylococcus epidermidis as a Skin Probiotic Patch against Cutibacterium acnes. <i>International Journal of Molecular Sciences</i> , 2018 , 20,	6.3	15
90	Commensal Provokes Immunity to Protect against Skin Infection of Methicillin-Resistant. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	14
89	The Anti-Inflammatory Activities of Propionibacterium acnes CAMP Factor-Targeted Acne Vaccines. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 2355-2364	4.3	27
88	On revealing the gene targets of Ebola virus microRNAs involved in the human skin microbiome. <i>PeerJ</i> , 2018 , 6, e4138	3.1	4
87	Development of Rifampicin-Indocyanine Green-Loaded Perfluorocarbon Nanodroplets for Photo-Chemo-Probiotic Antimicrobial Therapy. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1254	5.6	3
86	Leaf-Encapsulated Vaccines: Agroinfiltration and Transient Expression of the Antigen B in Radish Leaves. <i>Journal of Immunology Research</i> , 2018 , 2018, 3710961	4.5	8
85	Microbiome precision editing: Using PEG as a selective fermentation initiator against methicillin-resistant Staphylococcus aureus. <i>Biotechnology Journal</i> , 2017 , 12,	5.6	20
84	A Co-Drug of Butyric Acid Derived from Fermentation Metabolites of the Human Skin Microbiome Stimulates Adipogenic Differentiation of Adipose-Derived Stem Cells: Implications in Tissue Augmentation. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 46-56	4.3	11
83	Inhibition of HDAC8 and HDAC9 by microbial short-chain fatty acids breaks immune tolerance of the epidermis to TLR ligands. <i>Science Immunology</i> , 2016 , 1,	2.8	72

82	The mPEG-PCL Copolymer for Selective Fermentation of <i>Staphylococcus lugdunensis</i> Against <i>Candida parapsilosis</i> in the Human Microbiome. <i>Journal of Microbial & Biochemical Technology</i> , 2016 , 8, 259-265		4
81	A Precision Microbiome Approach Using Sucrose for Selective Augmentation of <i>Staphylococcus epidermidis</i> Fermentation against <i>Propionibacterium acnes</i> . <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	28
80	Bactericidal Effect of Lauric Acid-Loaded PCL-PEG-PCL Nano-Sized Micelles on Skin Commensal <i>Propionibacterium acnes</i> . <i>Polymers</i> , 2016 , 8,	4.5	20
79	Nasal commensal <i>Staphylococcus epidermidis</i> counteracts influenza virus. <i>Scientific Reports</i> , 2016 , 6, 27870	4.9	39
78	IsaB Inhibits Autophagic Flux to Promote Host Transmission of Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Investigative Dermatology</i> , 2015 , 135, 2714-2722	4.3	23
77	<i>Propionibacterium acnes</i> in the pathogenesis and immunotherapy of acne vulgaris. <i>Current Drug Metabolism</i> , 2015 , 16, 245-54	3.5	20
76	<i>Staphylococcus epidermidis</i> in the human skin microbiome mediates fermentation to inhibit the growth of <i>Propionibacterium acnes</i> : implications of probiotics in acne vulgaris. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 411-24	5.7	131
75	Propionic acid and its esterified derivative suppress the growth of methicillin-resistant <i>Staphylococcus aureus</i> USA300. <i>Beneficial Microbes</i> , 2014 , 5, 161-8	4.9	41
74	In vivo treatment of <i>Propionibacterium acnes</i> infection with liposomal lauric acids. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1322-8	10.1	29
73	Fermentation of <i>Propionibacterium acnes</i> , a commensal bacterium in the human skin microbiome, as skin probiotics against methicillin-resistant <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2013 , 8, e55380	3.7	170
72	Halitosis vaccines targeting FomA, a biofilm-bridging protein of <i>Fusobacterium nucleatum</i> . <i>Current Molecular Medicine</i> , 2013 , 13, 1358-67	2.5	11
71	Sampling human indigenous saliva peptidome using a lollipop-like ultrafiltration probe: simplify and enhance peptide detection for clinical mass spectrometry. <i>Journal of Visualized Experiments</i> , 2012 , e4108	1.6	1
70	The response of human skin commensal bacteria as a reflection of UV radiation: UV-B decreases porphyrin production. <i>PLoS ONE</i> , 2012 , 7, e47798	3.7	21
69	High throughput screening for drug discovery of autophagy modulators. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2012 , 15, 721-9	1.3	16
68	Passive immunoprotection targeting a secreted CAMP factor of <i>Propionibacterium acnes</i> as a novel immunotherapeutic for acne vulgaris. <i>Vaccine</i> , 2011 , 29, 3230-8	4.1	44
67	<i>Propionibacterium acnes</i> CAMP factor and host acid sphingomyelinase contribute to bacterial virulence: potential targets for inflammatory acne treatment. <i>PLoS ONE</i> , 2011 , 6, e14797	3.7	77
66	Bacterial toxin-triggered drug release from gold nanoparticle-stabilized liposomes for the treatment of bacterial infection. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4132-9	16.4	188
65	Eradication of drug resistant <i>Staphylococcus aureus</i> by liposomal oleic acids. <i>Biomaterials</i> , 2011 , 32, 214-216	4.5	138

64	Enhancement of catechin skin permeation via a newly fabricated mPEG-PCL-graft-2-hydroxycellulose membrane. <i>Journal of Membrane Science</i> , 2011 , 371, 134-140	9.6	13
63	Staphylococcus aureus hijacks a skin commensal to intensify its virulence: immunization targeting Hemolysin and CAMP factor. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 401-9	4.3	54
62	An Innate Bactericidal Oleic Acid Effective Against Skin Infection of Methicillin-Resistant Staphylococcus aureus: A Therapy Concordant with Evolutionary Medicine. <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 391-399	3.3	45
61	An innate bactericidal oleic acid effective against skin infection of methicillin-resistant Staphylococcus aureus: a therapy concordant with evolutionary medicine. <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 391-9	3.3	33
60	Current status of acne vaccines. <i>Expert Review of Dermatology</i> , 2010 , 5, 561-566		5
59	Regulation of particle morphology of pH-dependent poly(epsilon-caprolactone)-poly(gamma-glutamic acid) micellar nanoparticles to combat breast cancer cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6283-97	1.3	6
58	Mass spectrometry-based label-free quantitative proteomics. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 840518		326
57	Systematic evaluations of skin damage irradiated by an erbium:YAG laser: histopathologic analysis, proteomic profiles, and cellular response. <i>Journal of Dermatological Science</i> , 2010 , 58, 8-18	4.3	19
56	Vaccination targeting surface FomA of Fusobacterium nucleatum against bacterial co-aggregation: Implication for treatment of periodontal infection and halitosis. <i>Vaccine</i> , 2010 , 28, 3496-505	4.1	40
55	Development of nanoparticles for antimicrobial drug delivery. <i>Current Medicinal Chemistry</i> , 2010 , 17, 585-94	4.3	587
54	Stimuli-responsive liposome fusion mediated by gold nanoparticles. <i>ACS Nano</i> , 2010 , 4, 1935-42	16.7	131
53	Sebum free fatty acids enhance the innate immune defense of human sebocytes by upregulating beta-defensin-2 expression. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 985-94	4.3	127
52	The essentiality of alpha-2-macroglobulin in human salivary innate immunity against new H1N1 swine origin influenza A virus. <i>Proteomics</i> , 2010 , 10, 2396-401	4.8	32
51	Heat shock proteins HSP27 and HSP70 are present in the skin and are important mediators of allergic contact hypersensitivity. <i>Journal of Immunology</i> , 2009 , 182, 675-83	5.3	52
50	Vaccines and photodynamic therapies for oral microbial-related diseases. <i>Current Drug Metabolism</i> , 2009 , 10, 90-4	3.5	20
49	Elucidation of the percutaneous absorption of chromium compounds by functional proteomics. <i>Proteomics</i> , 2009 , 9, 5120-31	4.8	11
48	Histone H4 is a major component of the antimicrobial action of human sebocytes. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 2489-96	4.3	89
47	Antimicrobial property of lauric acid against Propionibacterium acnes: its therapeutic potential for inflammatory acne vulgaris. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 2480-8	4.3	216

46	Commensal bacteria regulate Toll-like receptor 3-dependent inflammation after skin injury. <i>Nature Medicine</i> , 2009 , 15, 1377-82	50.5	515
45	The antimicrobial activity of liposomal lauric acids against <i>Propionibacterium acnes</i> . <i>Biomaterials</i> , 2009 , 30, 6035-40	15.6	134
44	A novel vaccine targeting <i>Fusobacterium nucleatum</i> against abscesses and halitosis. <i>Vaccine</i> , 2009 , 27, 1589-95	4.1	16
43	Recent development in nano-sized dosage forms of plant alkaloid camptothecin-derived drugs. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2009 , 4, 254-61	2.6	4
42	Use of nanoparticles as therapy for methicillin-resistant <i>Staphylococcus aureus</i> infections. <i>Current Drug Metabolism</i> , 2009 , 10, 875-84	3.5	20
41	Profiling human saliva endogenous peptidome via a high throughput MALDI-TOF-TOF mass spectrometry. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009 , 12, 521-31	1.3	13
40	Antibodies elicited by inactivated <i>propionibacterium acnes</i> -based vaccines exert protective immunity and attenuate the IL-8 production in human sebocytes: relevance to therapy for acne vulgaris. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 2451-7	4.3	54
39	Erbium:YAG laser enhances transdermal peptide delivery and skin vaccination. <i>Journal of Controlled Release</i> , 2008 , 128, 200-8	11.7	70
38	A novel immunogenic spore coat-associated protein in <i>Bacillus anthracis</i> : characterization via proteomics approaches and a vector-based vaccine system. <i>Protein Expression and Purification</i> , 2008 , 57, 72-80	2	15
37	Breast tumor microenvironment: proteomics highlights the treatments targeting secretome. <i>Journal of Proteome Research</i> , 2008 , 7, 1379-87	5.6	49
36	Bioengineering a humanized acne microenvironment model: proteomics analysis of host responses to <i>Propionibacterium acnes</i> infection in vivo. <i>Proteomics</i> , 2008 , 8, 3406-15	4.8	28
35	A peptide with a ProGln C terminus in the human saliva peptidome exerts bactericidal activity against <i>Propionibacterium acnes</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 1834-6	5.9	10
34	Decreasing systemic toxicity via transdermal delivery of anticancer drugs. <i>Current Drug Metabolism</i> , 2008 , 9, 592-7	3.5	19
33	In vivo tumor secretion probing via ultrafiltration and tissue chamber: implication for anti-cancer drugs targeting secretome. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2008 , 3, 48-54	2.6	9
32	HSP70s: From Tumor Transformation to Cancer Therapy. <i>Clinical Medicine Oncology</i> , 2008 , 2, 335-45		11
31	Vaccination targeting a surface sialidase of <i>P. acnes</i> : implication for new treatment of acne vulgaris. <i>PLoS ONE</i> , 2008 , 3, e1551	3.7	59
30	Proteomics integrated with <i>Escherichia coli</i> vector-based vaccines and antigen microarrays reveals the immunogenicity of a surface sialidase-like protein of <i>Propionibacterium acnes</i> . <i>Proteomics - Clinical Applications</i> , 2008 , 2, 1234-45	3.1	5
29	Vaccine therapy for <i>P. acnes</i> -associated diseases. <i>Infectious Disorders - Drug Targets</i> , 2008 , 8, 160-5	1.1	11

28	Recent advances in protein profiling of tissues and tissue fluids. <i>Expert Review of Proteomics</i> , 2007 , 4, 515-29	4.2	15
27	In vivo secretome sampling technology for proteomics. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 953-623.1		5
26	Quantitative proteomes and in vivo secretomes of progressive and regressive UV-induced fibrosarcoma tumor cells: mimicking tumor microenvironment using a dermis-based cell-trapped system linked to tissue chamber. <i>Proteomics</i> , 2007 , 7, 4589-600	4.8	22
25	In vivo sampling of extracellular beta-thymosin by ultrafiltration probes. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1112, 104-13	6.5	4
24	Topical vaccination: the skin as a unique portal to adaptive immune responses. <i>Seminars in Immunopathology</i> , 2007 , 29, 71-80	12	24
23	Potential Targets of P. acnes for New Treatments of P. acnes-Associated Diseases. <i>Current Proteomics</i> , 2007 , 4, 157-161	0.7	
22	Surfactant sodium lauryl sulfate enhances skin vaccination: molecular characterization via a novel technique using ultrafiltration capillaries and mass spectrometric proteomics. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 523-32	7.6	28
21	In vivo detection of secreted proteins from wounded skin using capillary ultrafiltration probes and mass spectrometric proteomics. <i>Proteomics</i> , 2006 , 6, 5805-14	4.8	41
20	Mass spectrometric proteomics profiles of in vivo tumor secretomes: capillary ultrafiltration sampling of regressive tumor masses. <i>Proteomics</i> , 2006 , 6, 6107-16	4.8	64
19	In vivo protein sampling using capillary ultrafiltration semi-permeable hollow fiber and protein identification via mass spectrometry-based proteomics. <i>Journal of Chromatography A</i> , 2006 , 1109, 144-51.5	4.5	27
18	Prospective highlights of functional skin proteomics. <i>Mass Spectrometry Reviews</i> , 2005 , 24, 647-60	11	31
17	A differential proteome in tumors suppressed by an adenovirus-based skin patch vaccine encoding human carcinoembryonic antigen. <i>Proteomics</i> , 2005 , 5, 1013-23	4.8	7
16	Proteomic characterization of skin and epidermis in response to environmental agents. <i>Expert Review of Proteomics</i> , 2005 , 2, 809-20	4.2	11
15	Comparative proteomic analysis of human whole saliva. <i>Archives of Oral Biology</i> , 2004 , 49, 951-62	2.8	160
14	Identification of Bacillus anthracis proteins associated with germination and early outgrowth by proteomic profiling of anthrax spores. <i>Proteomics</i> , 2004 , 4, 2653-61	4.8	32
13	Proteomics reveals that proteins expressed during the early stage of Bacillus anthracis infection are potential targets for the development of vaccines and drugs. <i>Genomics, Proteomics and Bioinformatics</i> , 2004 , 2, 143-51	6.5	27
12	A new N-acetylgalactosamine containing peptide as a targeting vehicle for mammalian hepatocytes via asialoglycoprotein receptor endocytosis. <i>Current Drug Delivery</i> , 2004 , 1, 119-27	3.2	14
11	Comparative proteomic profiling of murine skin. <i>Journal of Investigative Dermatology</i> , 2003 , 121, 51-64	4.3	56

10	Proteomic analysis of lipopolysaccharide-induced apoptosis in PC12 cells. <i>Proteomics</i> , 2002 , 2, 1220-8	4.8	39
9	Proteomics reveals protein profile changes in doxorubicin--treated MCF-7 human breast cancer cells. <i>Cancer Letters</i> , 2002 , 181, 95-107	9.9	63
8	Engagement of inducible nitric oxide synthase at the rostral ventrolateral medulla during mevinphos intoxication in the rat. <i>Journal of Biomedical Science</i> , 2001 , 8, 475-83	13.3	22
7	Involvement of noradrenergic innervation from locus coeruleus to hippocampal formation in negative feedback regulation of penile erection in the rat. <i>Hippocampus</i> , 2001 , 11, 783-92	3.5	13
6	Proteomic analysis of proteins in PC12 cells before and after treatment with nerve growth factor: increased levels of a 43-kDa chromogranin B-derived fragment during neuronal differentiation. <i>Molecular Brain Research</i> , 2001 , 92, 181-92		25
5	Engagement of inducible nitric oxide synthase at the rostral ventrolateral medulla during mevinphos intoxication in the rat 2001 , 8, 475		3
4	A proteomic analysis of secreted proteins from xylan-induced <i>Bacillus</i> sp. strain K-1. <i>Electrophoresis</i> , 2000 , 21, 1740-5	3.6	21
3	Targeting delivery of paclitaxel into tumor cells via somatostatin receptor endocytosis. <i>Chemistry and Biology</i> , 2000 , 7, 453-61		64
2	Nerve growth factor, epidermal growth factor, and insulin differentially potentiate ATP-induced $[Ca^{2+}]_i$ rise and dopamine secretion in PC12 cells. <i>Journal of Neurochemistry</i> , 1996 , 66, 124-30	6	25
1	Role of Ca^{2+} in differentiation mediated by nerve growth factor and dibutyryl cyclic AMP in PC12 cells. <i>Journal of Neurochemistry</i> , 1996 , 67, 530-9	6	13