

Teruaki Nakatsuji

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

6,745
citations

94269

37
h-index

118652

62
g-index

65
all docs

65
docs citations

65
times ranked

8020
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobials from human skin commensal bacteria protect against <i>Staphylococcus aureus</i> and are deficient in atopic dermatitis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	744
2	Commensal bacteria regulate Toll-like receptor 3-dependent inflammation after skin injury. <i>Nature Medicine</i> , 2009, 15, 1377-1382.	15.2	620
3	The microbiome extends to subepidermal compartments of normal skin. <i>Nature Communications</i> , 2013, 4, 1431.	5.8	361
4	Ultraviolet radiation damages self noncoding RNA and is detected by TLR3. <i>Nature Medicine</i> , 2012, 18, 1286-1290.	15.2	340
5	Antimicrobial Peptides: Old Molecules with New Ideas. <i>Journal of Investigative Dermatology</i> , 2012, 132, 887-895.	0.3	308
6	Microbial Symbiosis with the Innate Immune Defense System of the Skin. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1974-1980.	0.3	289
7	Molecular cartography of the human skin surface in 3D. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2120-9.	3.3	288
8	TLR2 Expression Is Increased in Rosacea and Stimulates Enhanced Serine Protease Production by Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2011, 131, 688-697.	0.3	269
9	Antimicrobial Property of Lauric Acid Against <i>Propionibacterium Acnes</i> : Its Therapeutic Potential for Inflammatory Acne Vulgaris. <i>Journal of Investigative Dermatology</i> , 2009, 129, 2480-2488.	0.3	266
10	<i>Staphylococcus aureus</i> Exploits Epidermal Barrier Defects in Atopic Dermatitis to Trigger Cytokine Expression. <i>Journal of Investigative Dermatology</i> , 2016, 136, 2192-2200.	0.3	260
11	Quorum sensing between bacterial species on the skin protects against epidermal injury in atopic dermatitis. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	185
12	A commensal strain of <i>Staphylococcus epidermidis</i> protects against skin neoplasia. <i>Science Advances</i> , 2018, 4, eaao4502.	4.7	183
13	Sebum Free Fatty Acids Enhance the Innate Immune Defense of Human Sebocytes by Upregulating β -Defensin-2 Expression. <i>Journal of Investigative Dermatology</i> , 2010, 130, 985-994.	0.3	182
14	The antimicrobial activity of liposomal lauric acids against <i>Propionibacterium acnes</i> . <i>Biomaterials</i> , 2009, 30, 6035-6040.	5.7	161
15	Development of a human skin commensal microbe for bacteriotherapy of atopic dermatitis and use in a phase 1 randomized clinical trial. <i>Nature Medicine</i> , 2021, 27, 700-709.	15.2	142
16	IL-4R α Blockade by Dupilumab Decreases <i>Staphylococcus aureus</i> Colonization and Increases Microbial Diversity in Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2020, 140, 191-202.e7.	0.3	130
17	<i>Staphylococcus aureus</i> Induces Increased Serine Protease Activity in Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2017, 137, 377-384.	0.3	122
18	Crustacean molt-inhibiting hormone: Structure, function, and cellular mode of action. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 139-148.	0.8	107

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19	Histone H4 Is a Major Component of the Antimicrobial Action of Human Sebocytes. <i>Journal of Investigative Dermatology</i> , 2009, 129, 2489-2496.	0.3	106
20	The role of the skin microbiome in atopic dermatitis. <i>Annals of Allergy, Asthma and Immunology</i> , 2019, 122, 263-269.	0.5	99
21	Propionibacterium acnes CAMP Factor and Host Acid Sphingomyelinase Contribute to Bacterial Virulence: Potential Targets for Inflammatory Acne Treatment. <i>PLoS ONE</i> , 2011, 6, e14797.	1.1	98
22	Regulation of ecdysteroid secretion from the Y-organ by molt-inhibiting hormone in the American crayfish, <i>Procambarus clarkii</i> . <i>General and Comparative Endocrinology</i> , 2004, 135, 358-364.	0.8	95
23	Staphylococcus epidermidis protease EcpA can be a deleterious component of the skin microbiome in atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 955-966.e16.	1.5	90
24	Doxycycline Indirectly Inhibits Proteolytic Activation of Tryptic Kallikrein-Related Peptidases and Activation of Cathelicidin. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1435-1442.	0.3	87
25	Antibodies Elicited by Inactivated Propionibacterium acnes-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, 2451-2457.	0.3	68
26	Vaccination Targeting a Surface Sialidase of P. acnes: Implication for New Treatment of Acne Vulgaris. <i>PLoS ONE</i> , 2008, 3, e1551.	1.1	68
27	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.	0.9	61
28	Passive immunoprotection targeting a secreted CAMP factor of Propionibacterium acnes as a novel immunotherapeutic for acne vulgaris. <i>Vaccine</i> , 2011, 29, 3230-3238.	1.7	53
29	Staphylococcus aureus: Master Manipulator of the Skin. <i>Cell Host and Microbe</i> , 2017, 22, 579-581.	5.1	52
30	Identification of a Human Skin Commensal Bacterium that Selectively Kills Cutibacterium Acnes. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1619-1628.e2.	0.3	47
31	The Cutaneous Microbiome and Aspects of Skin Antimicrobial Defense System Resist Acute Treatment with Topical Skin Cleansers. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1950-1954.	0.3	46
32	Short chain fatty acids produced by Cutibacterium acnes inhibit biofilm formation by Staphylococcus epidermidis. <i>Scientific Reports</i> , 2020, 10, 21237.	1.6	46
33	Molt-inhibiting hormone-mediated regulation of ecdysteroid synthesis in Y-organs of the crayfish (<i>Procambarus clarkii</i>): Involvement of cyclic GMP and cyclic nucleotide phosphodiesterase. <i>Molecular and Cellular Endocrinology</i> , 2006, 253, 76-82.	1.6	45
34	Dilute bleach baths used for treatment of atopic dermatitis are not antimicrobial in vitro. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1946-1948.	1.5	43
35	Changes in the Amounts of the Molt-Inhibiting Hormone in Sinus Glands during the Molt Cycle of the American Crayfish, <i>Procambarus clarkii</i> . <i>Zoological Science</i> , 2000, 17, 1129-1136.	0.3	42
36	Cloning and characterization of a molt-inhibiting hormone-like peptide from the prawn <i>Marsupenaeus japonicus</i> . <i>Peptides</i> , 2005, 26, 259-268.	1.2	42

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37	HSV-1 exploits the innate immune scavenger receptor MARCO to enhance epithelial adsorption and infection. <i>Nature Communications</i> , 2013, 4, 1963.	5.8	39
38	tick saliva suppresses the keratinocyte cytokine response to TLR2/TLR3 ligands during early exposure to Lyme borreliosis. <i>Experimental Dermatology</i> , 2016, 25, 26-31.	1.4	37
39	Bioengineering a humanized acne microenvironment model: Proteomics analysis of host responses to <i>Propionibacterium acnes</i> infection <i>in vivo</i> . <i>Proteomics</i> , 2008, 8, 3406-3415.	1.3	34
40	Vesicular LL-37 Contributes to Inflammation of the Lesional Skin of Palmoplantar Pustulosis. <i>PLoS ONE</i> , 2014, 9, e110677.	1.1	34
41	Reduction in Serine Protease Activity Correlates with Improved Rosacea Severity in a Small, Randomized Pilot Study of a Topical Serine Protease Inhibitor. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1143-1145.	0.3	34
42	Vaccinia Virus Binds to the Scavenger Receptor MARCO on the Surface of Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2015, 135, 142-150.	0.3	34
43	Hyaluronidase inhibits reactive adipogenesis and inflammation of colon and skin. <i>JCI Insight</i> , 2018, 3, .	2.3	34
44	Cutaneous innate immune tolerance is mediated by epigenetic control of MAP2K3 by HDAC8/9. <i>Science Immunology</i> , 2021, 6, .	5.6	33
45	Expression of crustacean (<i>Callinectes sapidus</i>) molt-inhibiting hormone in <i>Escherichia coli</i> : Characterization of the recombinant peptide and assessment of its effects on cellular signaling pathways in Y-organs. <i>Molecular and Cellular Endocrinology</i> , 2006, 253, 96-104.	1.6	28
46	Use of Autologous Bacteriotherapy to Treat <i>Staphylococcus aureus</i> in Patients With Atopic Dermatitis. <i>JAMA Dermatology</i> , 2021, 157, 978.	2.0	28
47	Hyaluronan Degradation by Cemip Regulates Host Defense against <i>Staphylococcus aureus</i> Skin Infection. <i>Cell Reports</i> , 2020, 30, 61-68.e4.	2.9	27
48	The Molt-Inhibiting Hormone in the American Crayfish <i>Procambarus clarkii</i> : Its Chemical Synthesis and Biological Activity. <i>General and Comparative Endocrinology</i> , 2001, 121, 196-204.	0.8	25
49	Mechanisms for control of skin immune function by the microbiome. <i>Current Opinion in Immunology</i> , 2021, 72, 324-330.	2.4	24
50	Synthesis of a Molt-Inhibiting Hormone of the American Crayfish <i>Procambarus Clarkii</i> , and Determination of the Location of Its Disulfide Linkages. <i>Journal of Biochemistry</i> , 2000, 128, 455-461.	0.9	22
51	Studies of a receptor guanylyl cyclase cloned from Y-organs of the blue crab (<i>Callinectes sapidus</i>), and its possible functional link to ecdysteroidogenesis. <i>General and Comparative Endocrinology</i> , 2008, 155, 780-788.	0.8	22
52	Dermatological Therapy by Topical Application of Non-Pathogenic Bacteria. <i>Journal of Investigative Dermatology</i> , 2014, 134, 11-14.	0.3	22
53	The Parathyroid Hormone Second Receptor PTH2R and its Ligand Tuberoinfundibular Peptide of 39 Residues TIP39 Regulate Intracellular Calcium and Influence Keratinocyte Differentiation. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1449-1459.	0.3	21
54	Measurement of Molt-inhibiting Hormone Titer in Hemolymph of the American Crayfish, <i>Procambarus clarkii</i> , by Time-Resolved Fluoroimmunoassay. <i>Zoological Science</i> , 2003, 20, 999-1001.	0.3	18

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55	Occurrence and distribution of capB in Antarctic microorganisms and study of its structure and regulation in the Antarctic biodegradative <i>Pseudomonas</i> sp. 30/3. <i>Extremophiles</i> , 2010, 14, 171-183.	0.9	16
56	Vaccine Therapy for <i>P. acnes</i> -Associated Diseases. <i>Infectious Disorders - Drug Targets</i> , 2008, 8, 160-165.	0.4	15
57	Antimicrobials from a feline commensal bacterium inhibit skin infection by drug-resistant <i>S. pseudintermedius</i> . <i>ELife</i> , 2021, 10, .	2.8	14
58	Sphingosine 1-Phosphate Receptor 2 Is Central to Maintaining Epidermal Barrier Homeostasis. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1188-1197.e5.	0.3	12
59	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.	0.8	10
60	A Nitric Oxide-Releasing Topical Medication as a Potential Treatment Option for Atopic Dermatitis through Antimicrobial and Anti-Inflammatory Activity. <i>Journal of Investigative Dermatology</i> , 2020, 140, 2531-2535.e2.	0.3	8
61	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, 1234-1245.	0.8	7
62	Response to Comment on "A commensal strain of <i>Staphylococcus epidermidis</i> protects against skin neoplasia" by Nakatsuji et al. <i>Science Advances</i> , 2019, 5, eaay5611.	4.7	2
63	Potential Targets of <i>P. acnes</i> for New Treatments of <i>P. acnes</i> -Associated Diseases. <i>Current Proteomics</i> , 2007, 4, 157-161.	0.1	0