Ernest Y Lee

List of Publications by Year
in descending order

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43 papers	1,844 citations	331670 21 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	3070 citing authors

#	Article	IF	Citations
1	Readability assessment of patient-facing online educational content for pyoderma gangrenosum. Journal of the American Academy of Dermatology, 2022, 86, 1127-1128.	1.2	4
2	Histidineâ€Mediated Ion Specific Effects Enable Salt Tolerance of a Poreâ€Forming Marine Antimicrobial Peptide. Angewandte Chemie - International Edition, 2022, , .	13.8	6
3	Phenol-Soluble Modulins From Staphylococcus aureus Biofilms Form Complexes With DNA to Drive Autoimmunity. Frontiers in Cellular and Infection Microbiology, 2022, 12, .	3.9	9
4	Machine learning for precision dermatology: Advances, opportunities, and outlook. Journal of the American Academy of Dermatology, 2021, 84, 1458-1459.	1.2	9
5	Standing electric scooter injuries: Impact on a community. American Journal of Surgery, 2021, 221, 227-232.	1.8	54
6	Ocular lichen planus treated with lifitegrast. International Journal of Dermatology, 2021, 60, e231-e233.	1.0	0
7	AB013. CXCL4-DNA immune complexes drive inflammation in systemic sclerosis by amplifying TLR9-mediated interferon-Î± production. Annals of Translational Medicine, 2021, 9, AB013-AB013.	1.7	0
8	Quantitative readability analysis of online patient educational materials for dermatofibrosarcoma protuberans. International Journal of Dermatology, 2021, , .	1.0	0
9	PACAP is a pathogen-inducible resident antimicrobial neuropeptide affording rapid and contextual molecular host defense of the brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
10	Off-label studies on apremilast in dermatology: a review. Journal of Dermatological Treatment, 2020, 31, 131-140.	2.2	30
11	Improved prediction of HIT in the SICU using an improved model of the Warkentin 4-T system: 3-T. American Journal of Surgery, 2020, 219, 54-57.	1.8	4
12	Functional Reciprocity of Amyloids and Antimicrobial Peptides: Rethinking the Role of Supramolecular Assembly in Host Defense, Immune Activation, and Inflammation. Frontiers in Immunology, 2020, 11, 1629.	4.8	44
13	324 Resident neuropeptide PACAP mediates potent cell-free infection defense in tissues. Journal of Investigative Dermatology, 2020, 140, S40.	0.7	0
14	Discovery of Novel Type II Bacteriocins Using a New High-Dimensional Bioinformatic Algorithm. Frontiers in Immunology, 2020, 11, 1873.	4.8	13
15	Switchable Membrane Remodeling and Antifungal Defense by Metamorphic Chemokine XCL1. ACS Infectious Diseases, 2020, 6, 1204-1213.	3.8	6
16	Evolution and Functional Advantages of Protein Metamorphosis. Biophysical Journal, 2020, 118, 24a.	0.5	1
17	Telehealth Solutions for In-hospital Communication with Patients Under Isolation During COVID-19. Western Journal of Emergency Medicine, 2020, 21, 801-806.	1.1	38
18	Circulating biomarkers predictive of tumor response to cancer immunotherapy. Expert Review of Molecular Diagnostics, 2019, 19, 895-904.	3.1	28

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19	013 NETs generate structured antimicrobial peptide-nucleosome immune complexes with inter-DNA spacings optimal for TLR9 activation. Journal of Investigative Dermatology, 2019, 139, S3.	0.7	0
20	CXCL4 assembles DNA into liquid crystalline complexes to amplify TLR9-mediated interferon-Î± production in systemic sclerosis. Nature Communications, 2019, 10, 1731.	12.8	90
21	Externalized histone H4 orchestrates chronic inflammation by inducing lytic cell death. Nature, 2019, 569, 236-240.	27.8	268
22	Helical antimicrobial peptides assemble into protofibril scaffolds that present ordered dsDNA to TLR9. Nature Communications, 2019, 10, 1012.	12.8	53
23	Unifying structural signature of eukaryotic Î±-helical host defense peptides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6944-6953.	7.1	39
24	Modulation of toll-like receptor signaling by antimicrobial peptides. Seminars in Cell and Developmental Biology, 2019, 88, 173-184.	5.0	69
25	Cathelicidin promotes inflammation by enabling binding of self-RNA to cell surface scavenger receptors. Scientific Reports, 2018, 8, 4032.	3.3	58
26	Multigenerational memory and adaptive adhesion in early bacterial biofilm communities. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4471-4476.	7.1	132
27	Machine learning-enabled discovery and design of membrane-active peptides. Bioorganic and Medicinal Chemistry, 2018, 26, 2708-2718.	3.0	60
28	Machine learning antimicrobial peptide sequences: Some surprising variations on the theme of amphiphilic assembly. Current Opinion in Colloid and Interface Science, 2018, 38, 204-213.	7.4	18
29	What Can Pleiotropic Proteins in Innate Immunity Teach Us about Bioconjugation and Molecular Design?. Bioconjugate Chemistry, 2018, 29, 2127-2139.	3.6	8
30	886 Discovery of a receptor-dependent step in cathelicidin activation of inflammation identifies a novel therapeutic target for psoriasis and rosacea. Journal of Investigative Dermatology, 2018, 138, S151.	0.7	1
31	Direct Antimicrobial Activity of IFN-Î². Journal of Immunology, 2017, 198, 4036-4045.	0.8	48
32	Crystallinity of Double-Stranded RNA-Antimicrobial Peptide Complexes Modulates Toll-Like Receptor 3-Mediated Inflammation. ACS Nano, 2017, 11, 12145-12155.	14.6	30
33	What can machine learning do for antimicrobial peptides, and what can antimicrobial peptides do for machine learning?. Interface Focus, 2017, 7, 20160153.	3.0	98
34	High-Speed â€œ4Dâ€•Computational Microscopy of Bacterial Surface Motility. ACS Nano, 2017, 11, 9340-9351.	14.6	23
35	070 Liquid crystalline ordering of antimicrobial peptide-RNA complexes controls TLR3 activation. Journal of Investigative Dermatology, 2017, 137, S12.	0.7	4
36	Molecular Motor Dnm1 Synergistically Induces Membrane Curvature To Facilitate Mitochondrial Fission. ACS Central Science, 2017, 3, 1156-1167.	11.3	29

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37	A Role for Neuronal Alpha-Synuclein in Gastrointestinal Immunity. Journal of Innate Immunity, 2017, 9, 456-463.	3.8	211
38	Bacterial amyloid curli acts as a carrier for DNA to elicit an autoimmune response via TLR2 and TLR9. PLoS Pathogens, 2017, 13, e1006315.	4.7	82
39	Mapping membrane activity in undiscovered peptide sequence space using machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13588-13593.	7.1	137
40	A review of immune amplification via ligand clustering by self-assembled liquidâ€“crystalline DNA complexes. Advances in Colloid and Interface Science, 2016, 232, 17-24.	14.7	18
41	Oxidation of Membrane Curvature-Regulating Phosphatidylethanolamine Lipid Results in Formation of Bilayer and Cubic Structures. Langmuir, 2016, 32, 2450-2457.	3.5	19
42	S100A12 Is Part of the Antimicrobial Network against Mycobacterium leprae in Human Macrophages. PLoS Pathogens, 2016, 12, e1005705.	4.7	77
43	Histidineâ€Mediated Ion Specific Effects Enable Salt Tolerance of a Poreâ€Forming Marine Antimicrobial Peptide. Angewandte Chemie, 0, , .	2.0	0