

# Ernest Y Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Externalized histone H4 orchestrates chronic inflammation by inducing lytic cell death. <i>Nature</i> , 2019, 569, 236-240.	27.8	268
2	A Role for Neuronal Alpha-Synuclein in Gastrointestinal Immunity. <i>Journal of Innate Immunity</i> , 2017, 9, 456-463.	3.8	211
3	Mapping membrane activity in undiscovered peptide sequence space using machine learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13588-13593.	7.1	137
4	Multigenerational memory and adaptive adhesion in early bacterial biofilm communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4471-4476.	7.1	132
5	What can machine learning do for antimicrobial peptides, and what can antimicrobial peptides do for machine learning?. <i>Interface Focus</i> , 2017, 7, 20160153.	3.0	98
6	CXCL4 assembles DNA into liquid crystalline complexes to amplify TLR9-mediated interferon- $\beta$ production in systemic sclerosis. <i>Nature Communications</i> , 2019, 10, 1731.	12.8	90
7	Bacterial amyloid curli acts as a carrier for DNA to elicit an autoimmune response via TLR2 and TLR9. <i>PLoS Pathogens</i> , 2017, 13, e1006315.	4.7	82
8	S100A12 Is Part of the Antimicrobial Network against <i>Mycobacterium leprae</i> in Human Macrophages. <i>PLoS Pathogens</i> , 2016, 12, e1005705.	4.7	77
9	Modulation of toll-like receptor signaling by antimicrobial peptides. <i>Seminars in Cell and Developmental Biology</i> , 2019, 88, 173-184.	5.0	69
10	Machine learning-enabled discovery and design of membrane-active peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2708-2718.	3.0	60
11	Cathelicidin promotes inflammation by enabling binding of self-RNA to cell surface scavenger receptors. <i>Scientific Reports</i> , 2018, 8, 4032.	3.3	58
12	Standing electric scooter injuries: Impact on a community. <i>American Journal of Surgery</i> , 2021, 221, 227-232.	1.8	54
13	Helical antimicrobial peptides assemble into protofibril scaffolds that present ordered dsDNA to TLR9. <i>Nature Communications</i> , 2019, 10, 1012.	12.8	53
14	Direct Antimicrobial Activity of IFN- $\beta$ . <i>Journal of Immunology</i> , 2017, 198, 4036-4045.	0.8	48
15	Functional Reciprocity of Amyloids and Antimicrobial Peptides: Rethinking the Role of Supramolecular Assembly in Host Defense, Immune Activation, and Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1629.	4.8	44
16	Unifying structural signature of eukaryotic $\beta$ -helical host defense peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6944-6953.	7.1	39
17	Telehealth Solutions for In-hospital Communication with Patients Under Isolation During COVID-19. <i>Western Journal of Emergency Medicine</i> , 2020, 21, 801-806.	1.1	38
18	Crystallinity of Double-Stranded RNA-Antimicrobial Peptide Complexes Modulates Toll-Like Receptor 3-Mediated Inflammation. <i>ACS Nano</i> , 2017, 11, 12145-12155.	14.6	30

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19	Off-label studies on apremilast in dermatology: a review. <i>Journal of Dermatological Treatment</i> , 2020, 31, 131-140.	2.2	30
20	Molecular Motor Dnm1 Synergistically Induces Membrane Curvature To Facilitate Mitochondrial Fission. <i>ACS Central Science</i> , 2017, 3, 1156-1167.	11.3	29
21	Circulating biomarkers predictive of tumor response to cancer immunotherapy. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 895-904.	3.1	28
22	PACAP is a pathogen-inducible resident antimicrobial neuropeptide affording rapid and contextual molecular host defense of the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
23	High-Speed 4D-Computational Microscopy of Bacterial Surface Motility. <i>ACS Nano</i> , 2017, 11, 9340-9351.	14.6	23
24	Oxidation of Membrane Curvature-Regulating Phosphatidylethanolamine Lipid Results in Formation of Bilayer and Cubic Structures. <i>Langmuir</i> , 2016, 32, 2450-2457.	3.5	19
25	A review of immune amplification via ligand clustering by self-assembled liquid-crystalline DNA complexes. <i>Advances in Colloid and Interface Science</i> , 2016, 232, 17-24.	14.7	18
26	Machine learning antimicrobial peptide sequences: Some surprising variations on the theme of amphiphilic assembly. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 38, 204-213.	7.4	18
27	Discovery of Novel Type II Bacteriocins Using a New High-Dimensional Bioinformatic Algorithm. <i>Frontiers in Immunology</i> , 2020, 11, 1873.	4.8	13
28	Machine learning for precision dermatology: Advances, opportunities, and outlook. <i>Journal of the American Academy of Dermatology</i> , 2021, 84, 1458-1459.	1.2	9
29	Phenol-Soluble Modulins From <i>Staphylococcus aureus</i> Biofilms Form Complexes With DNA to Drive Autoimmunity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	3.9	9
30	What Can Pleiotropic Proteins in Innate Immunity Teach Us about Bioconjugation and Molecular Design?. <i>Bioconjugate Chemistry</i> , 2018, 29, 2127-2139.	3.6	8
31	Switchable Membrane Remodeling and Antifungal Defense by Metamorphic Chemokine XCL1. <i>ACS Infectious Diseases</i> , 2020, 6, 1204-1213.	3.8	6
32	Histidine-Mediated Ion Specific Effects Enable Salt Tolerance of a Pore-Forming Marine Antimicrobial Peptide. <i>Angewandte Chemie - International Edition</i> , 2022, , .	13.8	6
33	070 Liquid crystalline ordering of antimicrobial peptide-RNA complexes controls TLR3 activation. <i>Journal of Investigative Dermatology</i> , 2017, 137, S12.	0.7	4
34	Improved prediction of HIT in the SICU using an improved model of the Warkentin 4-T system: 3-T. <i>American Journal of Surgery</i> , 2020, 219, 54-57.	1.8	4
35	Readability assessment of patient-facing online educational content for pyoderma gangrenosum. <i>Journal of the American Academy of Dermatology</i> , 2022, 86, 1127-1128.	1.2	4
36	886 Discovery of a receptor-dependent step in cathelicidin activation of inflammation identifies a novel therapeutic target for psoriasis and rosacea. <i>Journal of Investigative Dermatology</i> , 2018, 138, S151.	0.7	1

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37	Evolution and Functional Advantages of Protein Metamorphosis. <i>Biophysical Journal</i> , 2020, 118, 24a.	0.5	1
38	O13 NETs generate structured antimicrobial peptide-nucleosome immune complexes with inter-DNA spacings optimal for TLR9 activation. <i>Journal of Investigative Dermatology</i> , 2019, 139, S3.	0.7	0
39	324 Resident neuropeptide PACAP mediates potent cell-free infection defense in tissues. <i>Journal of Investigative Dermatology</i> , 2020, 140, S40.	0.7	0
40	Ocular lichen planus treated with lifitegrast. <i>International Journal of Dermatology</i> , 2021, 60, e231-e233.	1.0	0
41	AB013. CXCL4-DNA immune complexes drive inflammation in systemic sclerosis by amplifying TLR9-mediated interferon- $\beta$ production. <i>Annals of Translational Medicine</i> , 2021, 9, AB013-AB013.	1.7	0
42	Quantitative readability analysis of online patient educational materials for dermatofibrosarcoma protuberans. <i>International Journal of Dermatology</i> , 2021, , .	1.0	0
43	Histidine-Mediated Ion Specific Effects Enable Salt Tolerance of a Pore-Forming Marine Antimicrobial Peptide. <i>Angewandte Chemie</i> , 0, , .	2.0	0