

# Evan F Haney

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

5,229  
citations

196777

29  
h-index

232693

48  
g-index

52  
all docs

52  
docs citations

52  
times ranked

7277  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Antibiofilm and immunomodulatory resorbable nanofibrous filing for dental pulp regenerative procedures. <i>Bioactive Materials</i> , 2022, 16, 173-186.  | 8.6  | 13        |
| 2  | Addressing Antibiotic Failure—Beyond Genetically Encoded Antimicrobial Resistance. <i>Frontiers in Drug Discovery</i> , 2022, 2, .   | 1.1  | 10        |
| 3  | Microtiter plate assays to assess antibiofilm activity against bacteria. <i>Nature Protocols</i> , 2021, 16, 2615-2632.  | 5.5  | 58        |
| 4  | Assessing biofilm inhibition and immunomodulatory activity of small amounts of synthetic host defense peptides synthesized using SPOT-array technology. <i>Nature Protocols</i> , 2021, 16, 1850-1870.                             | 5.5  | 5         |
| 5  | Antibiofilm activity of host defence peptides: complexity provides opportunities. <i>Nature Reviews Microbiology</i> , 2021, 19, 786-797.  | 13.6 | 129       |
| 6  | Rapid Assembly of Infection-Resistant Coatings: Screening and Identification of Antimicrobial Peptides Works in Cooperation with an Antifouling Background. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36784-36799. | 4.0  | 21        |
| 7  | Identification of a crocodylian $\beta$ -defensin variant from Alligator mississippiensis with antimicrobial and antibiofilm activity. <i>Peptides</i> , 2021, 141, 170549.  | 1.2  | 8         |
| 8  | Enzymatically releasable polyethylene glycol – host defense peptide conjugates with improved activity and biocompatibility. <i>Journal of Controlled Release</i> , 2021, 339, 220-231.   | 4.8  | 8         |
| 9  | Human organoid biofilm model for assessing antibiofilm activity of novel agents. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 8.   | 2.9  | 33        |
| 10 | Cathelicidin Host Defense Peptides and Inflammatory Signaling: Striking a Balance. <i>Frontiers in Microbiology</i> , 2020, 11, 1902.  | 1.5  | 53        |
| 11 | Selective anticancer activity of synthetic peptides derived from the host defence peptide tritrpticin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183228.   | 1.4  | 20        |
| 12 | EcDBS1R6: A novel cationic antimicrobial peptide derived from a signal peptide sequence. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129633.   | 1.1  | 12        |
| 13 | Identification of an IDR peptide formulation candidate that prevents peptide aggregation and retains immunomodulatory activity. <i>Peptide Science</i> , 2019, 111, e24077.  | 1.0  | 11        |
| 14 | Influence of Non-natural Cationic Amino Acids on the Biological Activity Profile of Innate Defense Regulator Peptides. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10294-10304.  | 2.9  | 11        |
| 15 | Short Cationic Peptide Derived from Archaea with Dual Antibacterial Properties and Anti-Infective Potential. <i>ACS Infectious Diseases</i> , 2019, 5, 1081-1086.  | 1.8  | 37        |
| 16 | Reassessing the Host Defense Peptide Landscape. <i>Frontiers in Chemistry</i> , 2019, 7, 43.   | 1.8  | 251       |
| 17 | Aurein-Derived Antimicrobial Peptides Formulated with Pegylated Phospholipid Micelles to Target Methicillin-Resistant <i>Staphylococcus aureus</i> Skin Infections. <i>ACS Infectious Diseases</i> , 2019, 5, 443-453.             | 1.8  | 48        |
| 18 | In silico optimization of a guava antimicrobial peptide enables combinatorial exploration for peptide design. <i>Nature Communications</i> , 2018, 9, 1490.  | 5.8  | 179       |

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|----|---|------|-----------|
| 19 | Computer-aided Discovery of Peptides that Specifically Attack Bacterial Biofilms. <i>Scientific Reports</i> , 2018, 8, 1871.  | 1.6  | 92        |
| 20 | Bone Environment Influences Irreversible Adhesion of a Methicillin-Susceptible <i>Staphylococcus aureus</i> Strain. <i>Frontiers in Microbiology</i> , 2018, 9, 2865.   | 1.5  | 18        |
| 21 | Impact of Host Defense Peptides on Chronic Wounds and Infections. <i>Recent Clinical Techniques, Results, and Research in Wounds</i> , 2018, , 3-19.  | 0.1  | 6         |
| 22 | Critical Assessment of Methods to Quantify Biofilm Growth and Evaluate Antibiofilm Activity of Host Defence Peptides. <i>Biomolecules</i> , 2018, 8, 29.  | 1.8  | 170       |
| 23 | Host defense (antimicrobial) peptides. , 2018, , 253-285.   |      | 28        |
| 24 | Antimicrobial Peptides: An Introduction. <i>Methods in Molecular Biology</i> , 2017, 1548, 3-22.  | 0.4  | 197       |
| 25 | Aggregation and Its Influence on the Immunomodulatory Activity of Synthetic Innate Defense Regulator Peptides. <i>Cell Chemical Biology</i> , 2017, 24, 969-980.e4.   | 2.5  | 45        |
| 26 | Anticancer activities of bovine and human lactoferricin-derived peptides. <i>Biochemistry and Cell Biology</i> , 2017, 95, 91-98.   | 0.9  | 70        |
| 27 | The immunology of host defence peptides: beyond antimicrobial activity. <i>Nature Reviews Immunology</i> , 2016, 16, 321-334.   | 10.6 | 692       |
| 28 | Mastoparan is a membranolytic anti-cancer peptide that works synergistically with gemcitabine in a mouse model of mammary carcinoma. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 3195-3204.     | 1.4  | 57        |
| 29 | A new cryptic cationic antimicrobial peptide from human apolipoprotein E with antibacterial activity and immunomodulatory effects on human cells. <i>FEBS Journal</i> , 2016, 283, 2115-2131.                         | 2.2  | 54        |
| 30 | Tryptic Stability of Synthetic Bactenecin Derivatives Is Determined by the Side Chain Length of Cationic Residues and the Peptide Conformation. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3079-3086.          | 2.9  | 31        |
| 31 | High throughput screening methods for assessing antibiofilm and immunomodulatory activities of synthetic peptides. <i>Peptides</i> , 2015, 71, 276-285.   | 1.2  | 89        |
| 32 | Toward Infection-Resistant Surfaces: Achieving High Antimicrobial Peptide Potency by Modulating the Functionality of Polymer Brush and Peptide. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28591-28605. | 4.0  | 73        |
| 33 | Enhanced killing of breast cancer cells by a d-amino acid analog of the winter flounder-derived pleurocidin NRC-03. <i>Experimental and Molecular Pathology</i> , 2015, 99, 426-434.                                  | 0.9  | 23        |
| 34 | Broad-Spectrum Anti-biofilm Peptide That Targets a Cellular Stress Response. <i>PLoS Pathogens</i> , 2014, 10, e1004152.  | 2.1  | 433       |
| 35 | Bovine and human lactoferricin peptides: chimeras and new cyclic analogs. <i>BioMetals</i> , 2014, 27, 935-948.   | 1.8  | 25        |
| 36 | Mechanism of action of puroidoline derived tryptophan-rich antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1802-1813.   | 1.4  | 95        |

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|----|---|-----|-----------|
| 37 | Characterization of a Proteolytically Stable Multifunctional Host Defense Peptidomimetic. <i>Chemistry and Biology</i> , 2013, 20, 1286-1295.   | 6.2 | 39        |
| 38 | Peptide design for antimicrobial and immunomodulatory applications. <i>Biopolymers</i> , 2013, 100, 572-583.  | 1.2 | 231       |
| 39 | Influence of specific amino acid side-chains on the antimicrobial activity and structure of bovine lactoferrampin <sup>1</sup> This article is part of Special Issue entitled Lactoferrin and has undergone the Journal's usual peer review process.. <i>Biochemistry and Cell Biology</i> , 2012, 90, 362-377. | 0.9 | 14        |
| 40 | Structural and biophysical characterization of an antimicrobial peptide chimera comprised of lactoferricin and lactoferrampin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 762-775.   | 1.4 | 53        |
| 41 | Design of a novel tryptophan-rich membrane-active antimicrobial peptide from the membrane-proximal region of the HIV glycoprotein, gp41. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1172-1184.  | 1.3 | 22        |
| 42 | Towards understanding the Tat translocation mechanism through structural and biophysical studies of the amphipathic region of TatA from <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2289-2296.  | 1.4 | 14        |
| 43 | The expanding scope of antimicrobial peptide structures and their modes of action. <i>Trends in Biotechnology</i> , 2011, 29, 464-472.  | 4.9 | 1,255     |
| 44 | Sortase A as a tool for high-yield histatin cyclization. <i>FASEB Journal</i> , 2011, 25, 2650-2658.  | 0.2 | 83        |
| 45 | Induction of non-lamellar lipid phases by antimicrobial peptides: a potential link to mode of action. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 82-93.  | 1.5 | 102       |
| 46 | Structural Investigations of an Amphipathic Region of the Twin-Arginine Translocase Tata Subunit. <i>Biophysical Journal</i> , 2010, 98, 625a.  | 0.2 | 0         |
| 47 | Novel lactoferrampin antimicrobial peptides derived from human lactoferrin. <i>Biochimie</i> , 2009, 91, 141-154.   | 1.3 | 71        |
| 48 | Solution NMR studies of amphibian antimicrobial peptides: Linking structure to function?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1639-1655.  | 1.4 | 140       |
| 49 | Chapter 1 NMR of Antimicrobial Peptides. <i>Annual Reports on NMR Spectroscopy</i> , 2009, 65, 1-51.  | 0.7 | 21        |
| 50 | Solution structures and model membrane interactions of lactoferrampin, an antimicrobial peptide derived from bovine lactoferrin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2355-2364.   | 1.4 | 79        |
| 51 | Assessing the Activity of Antimicrobial Peptides Against Common Marine Bacteria Located in Rotifer ( <i>Brachionus plicatilis</i> ) Cultures. <i>Probiotics and Antimicrobial Proteins</i> , 0, , .   | 1.9 | 0         |