

Hashem Etayash

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

846
citations

516710

16
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

1339
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic cantilever detects bacteria and measures their susceptibility to antibiotics in small confined volumes. <i>Nature Communications</i> , 2016, 7, 12947.	12.8	134
2	Impedimetric Detection of Pathogenic Gram-Positive Bacteria Using an Antimicrobial Peptide from Class IIa Bacteriocins. <i>Analytical Chemistry</i> , 2014, 86, 1693-1700.	6.5	90
3	Real-time Detection of Breast Cancer Cells Using Peptide-functionalized Microcantilever Arrays. <i>Scientific Reports</i> , 2015, 5, 13967.	3.3	72
4	Portable Nanofiber-Light Addressable Potentiometric Sensor for Rapid <i>Escherichia coli</i> Detection in Orange Juice. <i>ACS Sensors</i> , 2018, 3, 815-822.	7.8	69
5	The detection of <i>Escherichia coli</i> (<i>E. coli</i>) with the pH sensitive hydrogel nanofiber-light addressable potentiometric sensor (NF-LAPS). <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 176-183.	7.8	64
6	Metabolic Study of Cancer Cells Using a pH Sensitive Hydrogel Nanofiber Light Addressable Potentiometric Sensor. <i>ACS Sensors</i> , 2017, 2, 151-156.	7.8	63
7	Breast Cancer Targeting Peptide Binds Keratin 1: A New Molecular Marker for Targeted Drug Delivery to Breast Cancer. <i>Molecular Pharmaceutics</i> , 2017, 14, 593-604.	4.6	48
8	Surface-Conjugated Antimicrobial Peptide Leucocin A Displays High Binding to Pathogenic Gram-Positive Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1131-1138.	8.0	43
9	Cyclic Derivative of Host-Defense Peptide IDR-1018 Improves Proteolytic Stability, Suppresses Inflammation, and Enhances In Vivo Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9228-9236.	6.4	39
10	Peptide-Bacteria Interactions using Engineered Surface-Immobilized Peptides from Class IIa Bacteriocins. <i>Langmuir</i> , 2013, 29, 4048-4056.	3.5	31
11	Host Defense Peptide-Mimicking Amphiphilic β -Peptide Polymer (Bu:DM) Exhibiting Anti-Biofilm, Immunomodulatory, and <i>In Vivo</i> Anti-Infective Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12921-12928.	6.4	25
12	Peptide Bacteriocins - Structure Activity Relationships. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 220-241.	2.1	25
13	Rapid label-free detection of <i>E. coli</i> using antimicrobial peptide assisted impedance spectroscopy. <i>Analytical Methods</i> , 2015, 7, 9744-9748.	2.7	20
14	Design, synthesis and evaluation of antimicrobial activity of N-terminal modified Leucocin A analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3715-3722.	3.0	18
15	Multifunctional Antibiotic-Host Defense Peptide Conjugate Kills Bacteria, Eradicates Biofilms, and Modulates the Innate Immune Response. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16854-16863.	6.4	18
16	Proteolytically Stable Cyclic Decapeptide for Breast Cancer Cell Targeting. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4893-4903.	6.4	17
17	Host Defense Peptide-Mimicking Polymers and Polymeric-Brush-Tethered Host Defense Peptides: Recent Developments, Limitations, and Potential Success. <i>Pharmaceutics</i> , 2021, 13, 1820.	4.5	16
18	Antimicrobial properties of spray-dried cellulose nanocrystals and metal oxide-based nanoparticles-in-microspheres. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100273.	5.2	14

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19	Antibiofilm and immunomodulatory resorbable nanofibrous filing for dental pulp regenerative procedures. <i>Bioactive Materials</i> , 2022, 16, 173-186.	15.6	13
20	Modified cantilever arrays improve sensitivity and reproducibility of nanomechanical sensing in living cells. <i>Communications Biology</i> , 2018, 1, 175.	4.4	11
21	Reviewâ€™Nanomechanical Calorimetric Infrared Spectroscopy using Bi-Material Microfluidic Cantilevers. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037504.	2.9	10
22	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.	12.0	5
23	Bacterial Detection Using Peptide-Based Platform and Impedance Spectroscopy. <i>Methods in Molecular Biology</i> , 2017, 1572, 113-124.	0.9	1
24	Label-Free Rapid Detection of Pathogens with Antimicrobial Peptide Assisted Impedance Spectrometry. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1793, 13-18.	0.1	0