Gilad Bachrach

List of Publications by Year
in descending order

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53	3,359	331670	168389
papers	citations	21 h-index	53 g-index

54	54	54	4165
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Placental colonization by Fusobacterium nucleatum is mediated by binding of the Fap2 lectin to placentally displayed Gal-GalNAc. Cell Reports, 2022, 38, 110537.	6.4	18
2	Fusobacterium nucleatum and cancer. Periodontology 2000, 2022, 89, 166-180.	13.4	37
3	Candida albicans evades NK cell elimination via binding of Agglutinin-Like Sequence proteins to the checkpoint receptor TIGIT. Nature Communications, 2022, 13, 2463.	12.8	10
4	LL-37-mediated activation of host receptors is critical for defense against group A streptococcal infection. Cell Reports, 2021, 34, 108766.	6.4	13
5	Bacteriophage manipulation of the microbiome associated with tumour microenvironments-can this improve cancer therapeutic response?. FEMS Microbiology Reviews, 2021, 45, .	8.6	14
6	Fusobacterium nucleatum CbpF Mediates Inhibition of T Cell Function Through CEACAM1 Activation. Frontiers in Cellular and Infection Microbiology, 2021, 11, 692544.	3.9	23
7	CEACAM1 Activation by CbpF-Expressing E. coli. Frontiers in Cellular and Infection Microbiology, 2021, 11, 699015.	3.9	1
8	The inhibitory receptor CD300a is essential for neutrophilâ€mediated clearance of urinary tract infection in mice. European Journal of Immunology, 2021, 51, 2218-2224.	2.9	2
9	Colon Cancer-Associated Fusobacterium nucleatum May Originate From the Oral Cavity and Reach Colon Tumors via the Circulatory System. Frontiers in Cellular and Infection Microbiology, 2020, 10, 400.	3.9	117
10	Breast cancer colonization by Fusobacterium nucleatum accelerates tumor growth and metastatic progression. Nature Communications, 2020, 11, 3259.	12.8	265
11	Fusobacterium nucleatum supresses anti-tumor immunity by activating CEACAM1. OncoImmunology, 2019, 8, e1581531.	4.6	87
12	The Helicobacter pylori HopQ outermembrane protein inhibits immune cell activities. OncoImmunology, 2019, 8, e1553487.	4.6	37
13	Quantification of Bacterial Attachment to Tissue Sections. Bio-protocol, 2018, 8, .	0.4	1
14	Interactions of histatin-3 and histatin-5 with actin. BMC Biochemistry, 2017, 18, 3.	4.4	10
15	Stromal Cell-Derived Factor 1 Mediates Immune Cell Attraction upon Urinary Tract Infection. Cell Reports, 2017, 20, 40-47.	6.4	22
16	Tumor Targeting by Fusobacterium nucleatum: A Pilot Study and Future Perspectives. Frontiers in Cellular and Infection Microbiology, 2017, 7, 295.	3.9	44
17	Actin and DNA Protect Histones from Degradation by Bacterial Proteases but Inhibit Their Antimicrobial Activity. Frontiers in Microbiology, 2016, 7, 1248.	3.5	10
18	Sustained Release of Antibacterial Lipopeptides from Biodegradable Polymers against Oral Pathogens. PLoS ONE, 2016, 11, e0162537.	2.5	10

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19	Fap2 Mediates Fusobacterium nucleatum Colorectal Adenocarcinoma Enrichment by Binding to Tumor-Expressed Gal-GalNAc. Cell Host and Microbe, 2016, 20, 215-225.	11.0	523
20	Streptococcus pyogenes Sortase Mutants Are Highly Susceptible to Killing by Host Factors Due to Aberrant Envelope Physiology. PLoS ONE, 2015, 10, e0140784.	2.5	19
21	Binding of the Fap2 Protein of Fusobacterium nucleatum to Human Inhibitory Receptor TIGIT Protects Tumors from Immune Cell Attack. Immunity, 2015, 42, 344-355.	14.3	900
22	â€œMessieurs, c'est les microbes qui auront le dernier motâ€¦ Gentlemen, it is the microbes who have the last word (Louis Pasteur)â€”Fusobacterium nucleatumprotect tumors from killing by immune cells. OncoImmunology, 2015, 4, e1038690.	4.6	7
23	Interaction of the core fragments of the LL-37 host defense peptide with actin. RSC Advances, 2015, 5, 9361-9367.	3.6	9
24	Biohybrid Polymer-Antimicrobial Peptide Medium against Enterococcus faecalis. PLoS ONE, 2014, 9, e109413.	2.5	24
25	Identification and Characterization of Fusolisin, the Fusobacterium nucleatum Autotransporter Serine Protease. PLoS ONE, 2014, 9, e111329.	2.5	25
26	Actin Enables the Antimicrobial Action of LL-37 Peptide in the Presence of Microbial Proteases. Journal of Biological Chemistry, 2014, 289, 22926-22941.	3.4	16
27	Natural Killer Cell-Mediated Host Defense against Uropathogenic E.Âcoli Is Counteracted by Bacterial HemolysinA-Dependent Killing of NK Cells. Cell Host and Microbe, 2013, 14, 664-674.	11.0	61
28	Oxygen deprivation affects the antimicrobial action of LL-37 as determined by microplate real-time kinetic measurements under anaerobic conditions. Anaerobe, 2013, 22, 20-24.	2.1	13
29	LL-37 Opsonizes and Inhibits Biofilm Formation of Aggregatibacter actinomycetemcomitans at Subbactericidal Concentrations. Infection and Immunity, 2013, 81, 3577-3585.	2.2	33
30	Diminished Memory T-Cell Expansion Due to Delayed Kinetics of Antigen Expression by Lentivectors. PLoS ONE, 2013, 8, e66488.	2.5	1
31	Direct Recognition of Fusobacterium nucleatum by the NK Cell Natural Cytotoxicity Receptor NKp46 Aggravates Periodontal Disease. PLoS Pathogens, 2012, 8, e1002601.	4.7	106
32	The Antibacterial Activity of LL-37 against Treponema denticola Is Dentilisin Protease Independent and Facilitated by the Major Outer Sheath Protein Virulence Factor. Infection and Immunity, 2012, 80, 1107-1114.	2.2	14
33	LL-37 Induces Polymerization and Bundling of Actin and Affects Actin Structure. PLoS ONE, 2012, 7, e50078.	2.5	13
34	Garlic Allicin as a Potential Agent for Controlling Oral Pathogens. Journal of Medicinal Food, 2011, 14, 1338-1343.	1.5	41
35	Saliva Enables the Antimicrobial Activity of LL-37 in the Presence of Proteases of Porphyromonas gingivalis. Infection and Immunity, 2009, 77, 5558-5563.	2.2	52
36	Resistance of Porphyromonas gingivalis ATCC 33277 to Direct Killing by Antimicrobial Peptides Is Protease Independent. Antimicrobial Agents and Chemotherapy, 2008, 52, 638-642.	3.2	38

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37	Soluble sustained release gene delivery system. Journal of Biomedical Materials Research - Part A, 2006, 77A, 811-814.	4.0	3
38	Cutting Edge: TLR2 Is Required for the Innate Response to Porphyromonas gingivalis: Activation Leads to Bacterial Persistence and TLR2 Deficiency Attenuates Induced Alveolar Bone Resorption. Journal of Immunology, 2006, 177, 8296-8300.	0.8	256
39	Fluorescence based measurements ofFusobacterium nucleatumcoaggregation and of fusobacterial attachment to mammalian cells. FEMS Microbiology Letters, 2005, 248, 235-240.	1.8	34
40	Characterization of the Novel Fusobacterium nucleatum Plasmid pKH9 and Evidence of an Addiction System. Applied and Environmental Microbiology, 2004, 70, 6957-6962.	3.1	23
41	Streptococcus mutansfructosyltransferase interactions with glucans. FEMS Microbiology Letters, 2004, 232, 39-43.	1.8	27
42	Effect of carbohydrates on fructosyltransferase expression and distribution in Streptococcus mutans GS-5 biofilms. Carbohydrate Research, 2004, 339, 2883-2888.	2.3	14
43	Effect of chlorhexidine on molecular weight distribution of fructans produced by fructosyltransferase in solution and immobilized on surface. Carbohydrate Research, 2003, 338, 571-575.	2.3	1
44	Bacteriophage isolation from human saliva. Letters in Applied Microbiology, 2003, 36, 50-53.	2.2	107
45	Molecular epidemiology of asymptomatic bacteriuria in the elderly. Age and Ageing, 2003, 32, 670-673.	1.6	3
46	Effects of various antiplaque agents on fructosyltransferase activity in solution and immobilized onto hydroxyapatite. European Journal of Oral Sciences, 2002, 110, 374-379.	1.5	16
47	Regulation of fructosyltransferase activity by carbohydrates, in solution and immobilized on hydroxyapatite surfaces. Carbohydrate Research, 2002, 337, 701-710.	2.3	17
48	Growth rate and biofilm thickness of Streptococcus sobrinus and Streptococcus mutans on hydroxapatiteNote. Apmis, 2001, 109, 155-160.	2.0	14
49	The role of fructans on dental biofilm formation byStreptococcus sobrinus,Streptococcus mutans,Streptococcus gordoniiandActinomyces viscosus. FEMS Microbiology Letters, 2001, 195, 205-210.	1.8	85
50	Recovery of Streptococcus iniae from Diseased Fish Previously Vaccinated with a Streptococcus Vaccine. Applied and Environmental Microbiology, 2001, 67, 3756-3758.	3.1	94
51	The role of fructans on dental biofilm formation by Streptococcus sobrinus, Streptococcus mutans, Streptococcus gordonii and Actinomyces viscosus. FEMS Microbiology Letters, 2001, 195, 205-210.	1.8	4
52	A new single-copy mycobacterial plasmid, pMF1, from Mycobacterium fortuitum which is compatible with the pAL5000 replicon The EMBL accession number for the sequence determined in this work is AJ238973.. Microbiology (United Kingdom), 2000, 146, 297-303.	1.8	38
53	Identification and nucleotide sequence ofBrucella melitensisL7/L12 ribosomal protein. FEMS Microbiology Letters, 1994, 120, 237-240.	1.8	7