

Howard C Hang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,357
citations

201674

27
h-index

233421

45
g-index

60
all docs

60
docs citations

60
times ranked

3479
citing authors

#	ARTICLE	IF	CITATIONS
1	IFITM3 directly engages and shuttles incoming virus particles to lysosomes. <i>Nature Chemical Biology</i> , 2019, 15, 259-268.	8.0	169
2	<i>Enterococcus</i> peptidoglycan remodeling promotes checkpoint inhibitor cancer immunotherapy. <i>Science</i> , 2021, 373, 1040-1046.	12.6	158
3	Mass-tag labeling reveals site-specific and endogenous levels of protein S-fatty acylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4302-4307.	7.1	145
4	Bioorthogonal Chemical Reporters for Analyzing Protein Lipidation and Lipid Trafficking. <i>Accounts of Chemical Research</i> , 2011, 44, 699-708.	15.6	137
5	A secreted bacterial peptidoglycan hydrolase enhances tolerance to enteric pathogens. <i>Science</i> , 2016, 353, 1434-1437.	12.6	116
6	Exploring Protein Lipidation with Chemical Biology. <i>Chemical Reviews</i> , 2011, 111, 6341-6358.	47.7	107
7	Site-Specific Bioorthogonal Labeling for Fluorescence Imaging of Intracellular Proteins in Living Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 14423-14433.	13.7	95
8	Antibacterial Flavonoids from Medicinal Plants Covalently Inactivate Type III Protein Secretion Substrates. <i>Journal of the American Chemical Society</i> , 2016, 138, 2209-2218.	13.7	87
9	CHP1 Regulates Compartmentalized Glycerolipid Synthesis by Activating GPAT4. <i>Molecular Cell</i> , 2019, 74, 45-58.e7.	9.7	83
10	The palmitoyltransferase ZDHHC20 enhances interferon-induced transmembrane protein 3 (IFITM3) palmitoylation and antiviral activity. <i>Journal of Biological Chemistry</i> , 2017, 292, 21517-21526.	3.4	74
11	Proteomic analysis of fatty-acylated proteins. <i>Current Opinion in Chemical Biology</i> , 2016, 30, 77-86.	6.1	73
12	Myristoylome Profiling Reveals a Concerted Mechanism of ARF GTPase Deacylation by the Bacterial Protease IpaJ. <i>Molecular Cell</i> , 2015, 58, 110-122.	9.7	72
13	Chemoproteomics reveals Toll-like receptor fatty acylation. <i>BMC Biology</i> , 2014, 12, 91.	3.8	66
14	N^{ϵ} -fatty acylation of multiple membrane-associated proteins by <i>Shigella</i> IcsB effector to modulate host function. <i>Nature Microbiology</i> , 2018, 3, 996-1009.	13.3	65
15	Exploiting a host-commensal interaction to promote intestinal barrier function and enteric pathogen tolerance. <i>Science Immunology</i> , 2016, 1, .	11.9	64
16	<i>Enterococcus faecium</i> secreted antigen A generates muropeptides to enhance host immunity and limit bacterial pathogenesis. <i>ELife</i> , 2019, 8, .	6.0	59
17	A novel role of farnesylation in targeting a mitotic checkpoint protein, human Spindly, to kinetochores. <i>Journal of Cell Biology</i> , 2015, 208, 881-896.	5.2	58
18	A Single Protein S-acyl Transferase Acts through Diverse Substrates to Determine Cryptococcal Morphology, Stress Tolerance, and Pathogenic Outcome. <i>PLoS Pathogens</i> , 2015, 11, e1004908.	4.7	56

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19	Selective Enrichment and Direct Analysis of Protein S-Palmitoylation Sites. <i>Journal of Proteome Research</i> , 2018, 17, 1907-1922.	3.7	52
20	Site-specific acylation of a bacterial virulence regulator attenuates infection. <i>Nature Chemical Biology</i> , 2020, 16, 95-103.	8.0	52
21	Chemical reporters for exploring protein acylation. <i>Biochemical Society Transactions</i> , 2015, 43, 253-261.	3.4	50
22	Turning the spotlight on proteinâ€œlipid interactions in cells. <i>Current Opinion in Chemical Biology</i> , 2014, 21, 144-153.	6.1	43
23	Copper-catalyzed azide-alkyne cycloaddition (click chemistry)-based Detection of Global Pathogen-host AMPylation on Self-assembled Human Protein Microarrays. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3164-3176.	3.8	42
24	Protein S-palmitoylation in cellular differentiation. <i>Biochemical Society Transactions</i> , 2017, 45, 275-285.	3.4	42
25	Hostâ€œPathogen Interaction Profiling Using Self-Assembling Human Protein Arrays. <i>Journal of Proteome Research</i> , 2015, 14, 1920-1936.	3.7	40
26	Bioorthogonal Chemical Reporters for Monitoring Unsaturated Fattyâ€œAcyated Proteins. <i>ChemBioChem</i> , 2016, 17, 1800-1803.	2.6	32
27	Chemical proteomics reveals ADP-ribosylation of small GTPases during oxidative stress. <i>Nature Chemical Biology</i> , 2017, 13, 302-308.	8.0	32
28	Massâ€œTag Labeling Using Acylâ€œPEG Exchange for the Determination of Endogenous Protein Sâ€œFatty Acylation. <i>Current Protocols in Protein Science</i> , 2017, 89, 14.17.1-14.17.11.	2.8	32
29	Peptidoglycan Metabolite Photoaffinity Reporters Reveal Direct Binding to Intracellular Pattern Recognition Receptors and Arf GTPases. <i>ACS Chemical Biology</i> , 2019, 14, 405-414.	3.4	31
30	Lytic Bacteriophages Facilitate Antibiotic Sensitization of <i>Enterococcus faecium</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	30
31	Site-Specific Photo-Crosslinking Proteomics Reveal Regulation of IFITM3 Trafficking and Turnover by VCP/p97 ATPase. <i>Cell Chemical Biology</i> , 2020, 27, 571-585.e6.	5.2	27
32	Protein <i>S</i> -palmitoylation in immunity. <i>Open Biology</i> , 2021, 11, 200411.	3.6	23
33	Site-Specific Lipidation Enhances IFITM3 Membrane Interactions and Antiviral Activity. <i>ACS Chemical Biology</i> , 2021, 16, 844-856.	3.4	22
34	Epigallocatechin-3-gallate inhibits bacterial virulence and invasion of host cells. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2883-2887.	3.0	19
35	Chemical Reporters for Exploring Microbiology and Microbiota Mechanisms. <i>ChemBioChem</i> , 2020, 21, 19-32.	2.6	16
36	Targeted and proteome-wide analysis of metaboliteâ€œprotein interactions. <i>Current Opinion in Chemical Biology</i> , 2020, 54, 19-27.	6.1	15

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37	RecT Recombinase Expression Enables Efficient Gene Editing in <i>Enterococcus</i> spp.. Applied and Environmental Microbiology, 2021, 87, e0084421.	3.1	9
38	Translation of Microbiota Short-Chain Fatty Acid Mechanisms Affords Anti-infective Acyl-Salicylic Acid Derivatives. ACS Chemical Biology, 2020, 15, 1141-1147.	3.4	7
39	Chemical approaches for investigating site-specific protein S-fatty acylation. Current Opinion in Chemical Biology, 2021, 65, 109-117.	6.1	7
40	Chemoproteomic Analysis of Microbiota Metabolite-Protein Targets and Mechanisms. Biochemistry, 2022, 61, 2822-2834.	2.5	7
41	Biochemical analysis of NlpC/p60 peptidoglycan hydrolase activity. Methods in Enzymology, 2020, 638, 109-127.	1.0	6
42	Nuclear Receptor Chemical Reporter Enables Domain-Specific Analysis of Ligands in Mammalian Cells. ACS Chemical Biology, 2020, 15, 2324-2330.	3.4	5
43	Enterococcus NlpC/p60 Peptidoglycan Hydrolase SagA Localizes to Sites of Cell Division and Requires Only a Catalytic Dyad for Protease Activity. Biochemistry, 2020, 59, 4470-4480.	2.5	4
44	Membrane targeting enhances muramyl dipeptide binding to NOD2 and Arf6-GTPase in mammalian cells. Chemical Communications, 2022, 58, 6598-6601.	4.1	4
45	Chemical Proteomic Profiling of Protein Fatty-Acylation in Microbial Pathogens. Current Topics in Microbiology and Immunology, 2018, 420, 93-110.	1.1	3
46	Microbial mechanisms to improve immune checkpoint blockade responsiveness. Neoplasia, 2022, 31, 100818.	5.3	3
47	Improving immunotherapy response through the use of designer bacteria. Cancer Cell, 2021, 39, 1576-1577.	16.8	2
48	SORTing out cellular proteomes in vivo. Nature Biotechnology, 2014, 32, 445-446.	17.5	1
49	Chemical Proteomic Analysis of S-Fatty Acylated Proteins and Their Modification Sites. Methods in Molecular Biology, 2019, 2009, 45-57.	0.9	0
50	Chemical proteomics for identifying short-chain fatty acid modified proteins in Salmonella. Methods in Enzymology, 2022, 664, 135-150.	1.0	0