

# David R Goodlett

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6245698/publications.pdf>

Version: 2024-02-01

70  
papers

3,018  
citations

236925

25  
h-index

175258

52  
g-index

74  
all docs

74  
docs citations

74  
times ranked

4432  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Lipid-Based MALDI-TOF Assay for the Rapid Detection of Colistin-Resistant <i>Enterobacter</i> Species. <i>Microbiology Spectrum</i> , 2022, 10, e0144521.	3.0	9
2	Evaluation of Fast and Sensitive Proteome Profiling of FF and FFPE Kidney Patient Tissues. <i>Molecules</i> , 2022, 27, 1137.	3.8	7
3	Intestinal Deletion of 3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase Promotes Expansion of the Resident Stem Cell Compartment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 381-394.	2.4	1
4	DIA-MS proteome analysis of formalin-fixed paraffin-embedded glioblastoma tissues. <i>Analytica Chimica Acta</i> , 2022, 1204, 339695.	5.4	10
5	Lipid A Structural Determination from a Single Colony. <i>Analytical Chemistry</i> , 2022, 94, 7460-7465.	6.5	9
6	Caulobacter lipid A is conditionally dispensable in the absence of fur and in the presence of anionic sphingolipids. <i>Cell Reports</i> , 2022, 39, 110888.	6.4	8
7	Deep-sea microbes as tools to refine the rules of innate immune pattern recognition. <i>Science Immunology</i> , 2021, 6, .	11.9	21
8	Species-Specific Endotoxin Stimulus Determines Toll-Like Receptor 4- and Caspase 11-Mediated Pathway Activation Characteristics. <i>MSystems</i> , 2021, 6, e0030621.	3.8	11
9	Comparison of different digestion methods for proteomic analysis of isolated cells and FFPE tissue samples. <i>Talanta</i> , 2021, 233, 122568.	5.5	9
10	Droplet delivery and nebulization system using surface acoustic wave for mass spectrometry. <i>Lab on A Chip</i> , 2020, 20, 3269-3277.	6.0	12
11	Early evolutionary loss of the lipid A modifying enzyme PagP resulting in innate immune evasion in <i>Yersinia pestis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22984-22991.	7.1	22
12	Streamlined Analysis of Cardiolipins in Prokaryotic and Eukaryotic Samples Using a Norharmane Matrix by MALDI-MSI. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2495-2502.	2.8	14
13	On-Tissue Derivatization of Lipopolysaccharide for Detection of Lipid A Using MALDI-MSI. <i>Analytical Chemistry</i> , 2020, 92, 13667-13671.	6.5	15
14	Rapid microbial identification and colistin resistance detection via MALDI-TOF MS using a novel on-target extraction of membrane lipids. <i>Scientific Reports</i> , 2020, 10, 21536.	3.3	34
15	Toll-like Receptor 4-Independent Effects of Lipopolysaccharide Identified Using Longitudinal Serum Proteomics. <i>Journal of Proteome Research</i> , 2020, 19, 1258-1266.	3.7	8
16	Proteome analysis of tissues by mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2019, 38, 403-441.	5.4	31
17	Model-Based Spectral Library Approach for Bacterial Identification via Membrane Glycolipids. <i>Analytical Chemistry</i> , 2019, 91, 11482-11487.	6.5	14
18	Droplet Delivery Control for Surface Acoustic Wave Nebulization Mass Spectrometry. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Multi-Omics Strategies Uncover Host-Pathogen Interactions. ACS Infectious Diseases, 2019, 5, 493-505.	3.8	39
20	The effect of embryonic origin on the osteoinductive potential of bone allografts. Journal of Prosthetic Dentistry, 2019, 121, 651-658.	2.8	2
21	Rapid Microbial Identification and Antibiotic Resistance Detection by Mass Spectrometric Analysis of Membrane Lipids. Analytical Chemistry, 2019, 91, 1286-1294.	6.5	39
22	A Prospective Study of <i>Acinetobacter baumannii</i> Complex Isolates and Colistin Susceptibility Monitoring by Mass Spectrometry of Microbial Membrane Glycolipids. Journal of Clinical Microbiology, 2019, 57, .	3.9	21
23	Top Down Tandem Mass Spectrometric Analysis of a Chemically Modified Rough-Type Lipopolysaccharide Vaccine Candidate. Journal of the American Society for Mass Spectrometry, 2018, 29, 1221-1229.	2.8	16
24	Quantitative targeted proteomic analysis of potential markers of tyrosine kinase inhibitor (TKI) sensitivity in EGFR mutated lung adenocarcinoma. Journal of Proteomics, 2018, 189, 48-59.	2.4	8
25	Host-pathogen dynamics through targeted secretome analysis of stimulated macrophages. Journal of Proteomics, 2018, 189, 34-38.	2.4	9
26	Rapid Food Product Analysis by Surface Acoustic Wave Nebulization Coupled Mass Spectrometry. Food Analytical Methods, 2018, 11, 2447-2454.	2.6	3
27	Proteomics of Diabetes, Obesity, and Related Disorders. Proteomics - Clinical Applications, 2018, 12, 1600134.	1.6	10
28	Pathogen Identification Direct From Polymicrobial Specimens Using Membrane Glycolipids. Scientific Reports, 2018, 8, 15857.	3.3	18
29	Dataset describing the development, optimization and application of SRM/MRM based targeted proteomics strategy for quantification of potential biomarkers of EGFR TKI sensitivity. Data in Brief, 2018, 19, 424-436.	1.0	4
30	Mass Spectrometry-based Structural Analysis and Systems Immunoproteomics Strategies for Deciphering the Host Response to Endotoxin. Journal of Molecular Biology, 2018, 430, 2641-2660.	4.2	21
31	Quantitative proteomic characterization and comparison of T helper 17 and induced regulatory T cells. PLoS Biology, 2018, 16, e2004194.	5.6	17
32	Serum Proteomic Profiling to Identify Biomarkers of Premature Carotid Atherosclerosis. Scientific Reports, 2018, 8, 9209.	3.3	20
33	Lipid A structural modifications in extreme conditions and identification of unique modifying enzymes to define the Toll-like receptor 4 structure-activity relationship. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1439-1450.	2.4	43
34	DNA methylation and Transcriptome Changes Associated with Cisplatin Resistance in Ovarian Cancer. Scientific Reports, 2017, 7, 1469.	3.3	70
35	Structural Modification of Lipopolysaccharide Conferred by <i>mcr-1</i> in Gram-Negative ESKAPE Pathogens. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	96
36	Autopicker - a Robust and Reliable Peak Detection Algorithm for Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2017, 28, 253-262.	2.8	18

#	ARTICLE	IF	CITATIONS
37	Structural modification of LPS in colistin-resistant, KPC-producing <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 3035-3042.	3.0	59
38	Identification of the ESKAPE pathogens by mass spectrometric analysis of microbial membrane glycolipids. <i>Scientific Reports</i> , 2017, 7, 6403.	3.3	63
39	CXC Chemokines Exhibit Bactericidal Activity against Multidrug-Resistant Gram-Negative Pathogens. <i>MBio</i> , 2017, 8, .	4.1	12
40	Mass Spectrometry-Based Serum Proteomics for Biomarker Discovery and Validation. <i>Methods in Molecular Biology</i> , 2017, 1619, 451-466.	0.9	13
41	Assessment of the Therapeutic Potential of Persimmon Leaf Extract on Prediabetic Subjects. <i>Molecules and Cells</i> , 2017, 40, 466-475.	2.6	8
42	Surface acoustic wave nebulization device with dual interdigitated transducers improves SAW-MS performance. <i>Journal of Mass Spectrometry</i> , 2016, 51, 424-429.	1.6	19
43	An ambient detection system for visualization of charged particles generated with ionization methods at atmospheric pressure. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 352-358.	1.5	2
44	Global Analysis and Comparison of the Transcriptomes and Proteomes of Group A <i>Streptococcus</i> Biofilms. <i>MSystems</i> , 2016, 1, .	3.8	26
45	Norharmane matrix enhances detection of endotoxin by MALDI-MS for simultaneous profiling of pathogen, host and vector systems. <i>Pathogens and Disease</i> , 2016, 74, .	2.0	41
46	Detection of Carbofuran-Protein Adducts in Serum of Occupationally Exposed Pesticide Factory Workers in Pakistan. <i>Chemical Research in Toxicology</i> , 2016, 29, 1720-1728.	3.3	9
47	Normalization of NAD <sup>+</sup> Redox Balance as a Therapy for Heart Failure. <i>Circulation</i> , 2016, 134, 883-894.	1.6	250
48	Structural derivation of lipid A from <i>Cronobacter sakazakii</i> using tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2265-2270.	1.5	7
49	Rapid lipid a structure determination via surface acoustic wave nebulization and hierarchical tandem mass spectrometry algorithm. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2555-2560.	1.5	20
50	Strain competition restricts colonization of an enteric pathogen and prevents colitis. <i>EMBO Reports</i> , 2016, 17, 1281-1291.	4.5	151
51	Secreted Effectors Encoded within and outside of the <i>Francisella</i> Pathogenicity Island Promote Intramacrophage Growth. <i>Cell Host and Microbe</i> , 2016, 20, 573-583.	11.0	68
52	Use of captive spray ionization to increase throughput of the data-independent acquisition technique PAcIFIC. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1101-1107.	1.5	7
53	Advances in protein complex analysis by chemical cross-linking coupled with mass spectrometry (CXMS) and bioinformatics. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 123-129.	2.3	30
54	All-Trans-Retinoic Acid Enhances Mitochondrial Function in Models of Human Liver. <i>Molecular Pharmacology</i> , 2016, 89, 560-574.	2.3	29

#	ARTICLE	IF	CITATIONS
55	Human symbionts inject and neutralize antibacterial toxins to persist in the gut. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3639-3644.	7.1	190
56	Screen-printed digital microfluidics combined with surface acoustic wave nebulization for hydrogen-deuterium exchange measurements. Journal of Chromatography A, 2016, 1439, 161-166.	3.7	21
57	Glycosylation characterization of therapeutic mAbs by top- and middle-down mass spectrometry. Data in Brief, 2016, 6, 68-76.	1.0	16
58	Comprehensive glycosylation profiling of IgG and IgG-fusion proteins by top-down MS with multiple fragmentation techniques. Journal of Proteomics, 2016, 134, 93-101.	2.4	36
59	Site-specific activity of the acyltransferases HtrB1 and HtrB2 in <i>Pseudomonas aeruginosa</i> lipid A biosynthesis. Pathogens and Disease, 2015, 73, ftv053.	2.0	27
60	Serum Proteomes Distinguish Children Developing Type 1 Diabetes in a Cohort With HLA-Conferred Susceptibility. Diabetes, 2015, 64, 2265-2278.	0.6	46
61	Producing Isotopic Distribution Models for Fully Apodized Absorption Mode FT-MS. Analytical Chemistry, 2015, 87, 5797-5801.	6.5	11
62	An Interbacterial NAD(P) <sup>+</sup> Glycohydrolase Toxin Requires Elongation Factor Tu for Delivery to Target Cells. Cell, 2015, 163, 607-619.	28.9	203
63	Kin cell lysis is a danger signal that activates antibacterial pathways of <i>Pseudomonas aeruginosa</i> . ELife, 2015, 4, .	6.0	113
64	A Type VI Secretion-Related Pathway in Bacteroidetes Mediates Interbacterial Antagonism. Cell Host and Microbe, 2014, 16, 227-236.	11.0	311
65	Evaluation of electrophoretic protein extraction and database-driven protein identification from marine sediments. Limnology and Oceanography: Methods, 2012, 10, 353-366.	2.0	10
66	LPS remodeling is an evolved survival strategy for bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8716-8721.	7.1	167
67	The path to preservation: Using proteomics to decipher the fate of diatom proteins during microbial degradation. Limnology and Oceanography, 2010, 55, 1790-1804.	3.1	22
68	Surface Acoustic Wave Nebulization of Peptides As a Microfluidic Interface for Mass Spectrometry. Analytical Chemistry, 2010, 82, 3985-3989.	6.5	152
69	Structural heterogeneity and environmentally regulated remodeling of <i>Francisella tularensis</i> subspecies <i>novicida</i> lipid a characterized by tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 1080-1092.	2.8	85
70	A microcapillary trap cartridge-microcapillary high-performance liquid chromatography electrospray ionization emitter device capable of peptide tandem mass spectrometry at the attomole level on an ion trap mass spectrometer with automated routine operation. Rapid Communications in Mass Spectrometry, 2003, 17, 2093-2098.	1.5	101