

# Roger Karlsson

## List of Publications by Year in descending order

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54  
papers

3,804  
citations

304602

22  
h-index

168321

53  
g-index

58  
all docs

58  
docs citations

58  
times ranked

6379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Antibiotic Resistance Proteins via MiCIdâ€™s Augmented Workflow. A Mass Spectrometry-Based Proteomics Approach. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 917-931.	1.2	3
2	Rational antibody design for undruggable targets using kinetically controlled biomolecular probes. <i>Science Advances</i> , 2021, 7, .	4.7	3
3	Mass Spectrometry Proteotyping-Based Detection and Identification of <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , and <i>Candida albicans</i> in Blood. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 634215.	1.8	5
4	The impact of Mediterranean diet on coronary plaque vulnerability, microvascular function, inflammation and microbiome after an acute coronary syndrome: study protocol for the MEDIMACS randomized, controlled, mechanistic clinical trial. <i>Trials</i> , 2021, 22, 795.	0.7	3
5	<i>Corynebacterium sanguinis</i> sp. nov., a clinical and environmental associated corynebacterium. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126039.	1.2	20
6	Complete genome sequences of <i>Streptococcus pyogenes</i> type strain reveal 100%-match between PacBio-solo and Illumina-Oxford Nanopore hybrid assemblies. <i>Scientific Reports</i> , 2020, 10, 11656.	1.6	5
7	Discovery of Species-unique Peptide Biomarkers of Bacterial Pathogens by Tandem Mass Spectrometry-based Proteotyping. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 518-528.	2.5	22
8	Genomic and Proteomic Characterization of the Extended-Spectrum Î²-Lactamase (ESBL)-Producing <i>Escherichia coli</i> Strain CCUG 73778: A Virulent, Nosocomial Outbreak Strain. <i>Microorganisms</i> , 2020, 8, 893.	1.6	6
9	A Pangenome Approach for Discerning Species-Unique Gene Markers for Identifications of <i>Streptococcus pneumoniae</i> and <i>Streptococcus pseudopneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 222.	1.8	18
10	Identification of surface proteins in a clinical <i>Staphylococcus haemolyticus</i> isolate by bacterial surface shaving. <i>BMC Microbiology</i> , 2020, 20, 80.	1.3	13
11	<i>Acinetobacter portensis</i> sp. nov. and <i>Acinetobacter guerraee</i> sp. nov., isolated from raw meat. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4544-4554.	0.8	16
12	<i>Staphylococcus borealis</i> sp. nov., isolated from human skin and blood. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 6067-6078.	0.8	23
13	<i>Scandinavium goeteborgense</i> gen. nov., sp. nov., a New Member of the Family Enterobacteriaceae Isolated From a Wound Infection, Carries a Novel Quinolone Resistance Gene Variant. <i>Frontiers in Microbiology</i> , 2019, 10, 2511.	1.5	19
14	Antibiotic misuse in respiratory tract infections in children and adultsâ€™a prospective, multicentre study (TAILORED Treatment). <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 505-514.	1.3	70
15	Beware of False â€œType Strainâ€™-Genome Sequences. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	3
16	<i>Vagococcus bubulae</i> sp. nov., isolated from ground beef, and <i>Vagococcus vulneris</i> sp. nov., isolated from a human foot wound. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2268-2276.	0.8	26
17	Development of a rapid MALDI-TOF MS based epidemiological screening method using MRSA as a model organism. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 57-68.	1.3	8
18	Proteotyping bacteria: Characterization, differentiation and identification of pneumococcus and other species within the Mitis Group of the genus <i>Streptococcus</i> by tandem mass spectrometry proteomics. <i>PLoS ONE</i> , 2018, 13, e0208804.	1.1	47

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19	Observational multi-centre, prospective study to characterize novel pathogen-and host-related factors in hospitalized patients with lower respiratory tract infections and/or sepsis - the "TAILORED-Treatment"-study. BMC Infectious Diseases, 2018, 18, 377.	1.3	13
20	Proteomic analysis of enterotoxigenic Escherichia coli (ETEC) in neutral and alkaline conditions. BMC Microbiology, 2017, 17, 11.	1.3	12
21	Typing and Characterization of Bacteria Using Bottom-up Tandem Mass Spectrometry Proteomics. Molecular and Cellular Proteomics, 2017, 16, 1052-1063.	2.5	66
22	Draft Genome Sequences of Six Strains of Streptococcus pneumoniae from Serotypes 5, 6A, 6B, 18C, 19A, and 23F. Genome Announcements, 2017, 5, .	0.8	1
23	A communal catalogue reveals Earth's multiscale microbial diversity. Nature, 2017, 551, 457-463.	13.7	1,942
24	Comparative Analysis of Two Helicobacter pylori Strains using Genomics and Mass Spectrometry-Based Proteomics. Frontiers in Microbiology, 2016, 7, 1757.	1.5	10
25	Draft Genome Sequence of Streptococcus gordonii Type Strain CCUG 33482 T. Genome Announcements, 2016, 4, .	0.8	1
26	Draft Genome Sequence of Moraxella catarrhalis Type Strain CCUG 353 <sup>T</sup>. Genome Announcements, 2016, 4, .	0.8	4
27	Proteotyping: Proteomic characterization, classification and identification of microorganisms " A prospectus. Systematic and Applied Microbiology, 2015, 38, 246-257.	1.2	95
28	Subcellular localization of an ATPase in anammox bacteria using proteomics and immunogold electron microscopy. FEMS Microbiology Letters, 2014, 354, 10-18.	0.7	15
29	Combining phenotypic and proteomic approaches to identify membrane targets in a "triple negative" breast cancer cell type. Molecular Cancer, 2013, 12, 11.	7.9	48
30	Detection of ligand-receptor binding using microfluidic frontal affinity chromatography on proteoliposomes derived directly from native cell membranes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 931, 84-89.	1.2	4
31	Cinnamyl alcohol oxidizes rapidly upon air exposure. Contact Dermatitis, 2013, 68, 129-138.	0.8	42
32	Strain-Level Typing and Identification of Bacteria Using Mass Spectrometry-Based Proteomics. Journal of Proteome Research, 2012, 11, 2710-2720.	1.8	50
33	Microfluidic Flow Cell for Sequential Digestion of Immobilized Proteoliposomes. Analytical Chemistry, 2012, 84, 5582-5588.	3.2	9
34	Membrane Protein Digestion " Comparison of LPI HexaLane with Traditional Techniques. Methods in Molecular Biology, 2011, 753, 129-142.	0.4	2
35	Mechanics of lipid bilayer junctions affecting the size of a connecting lipid nanotube. Nanoscale Research Letters, 2011, 6, 421.	3.1	4
36	An <i>in situ</i> fracture device to image lipids in single cells using ToF-SIMS. Surface and Interface Analysis, 2011, 43, 257-260.	0.8	22

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37	Analysis of intact ladderane phospholipids, originating from viable anammox bacteria, using RP-LC-ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3543-3551.	1.9	19
38	Elucidation of the outer membrane proteome of <i>Salmonella enterica</i> serovar Typhimurium utilising a lipid-based protein immobilization technique. <i>BMC Microbiology</i> , 2010, 10, 44.	1.3	29
39	Surfactant effects on colloidal interactions: Concentrated micellar solutions of nonionic surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 368, 84-90.	2.3	11
40	HAMLET Interacts with Lipid Membranes and Perturbs Their Structure and Integrity. <i>PLoS ONE</i> , 2010, 5, e9384.	1.1	52
41	Steady-State Electrochemical Determination of Lipidic Nanotube Diameter Utilizing an Artificial Cell Model. <i>Analytical Chemistry</i> , 2010, 82, 1020-1026.	3.2	14
42	Identification of key proteins involved in the anammox reaction. <i>FEMS Microbiology Letters</i> , 2009, 297, 87-94.	0.7	32
43	Chemical Analysis in Nanoscale Surfactant Networks. <i>Analytical Chemistry</i> , 2006, 78, 5960-5968.	3.2	27
44	BIOMIMETIC NANOSCALE REACTORS AND NETWORKS. <i>Annual Review of Physical Chemistry</i> , 2004, 55, 613-649.	4.8	139
45	Amperometric Detection of Exocytosis in an Artificial Synapse. <i>Analytical Chemistry</i> , 2003, 75, 4168-4175.	3.2	35
46	Formation and Transport of Nanotube-Integrated Vesicles in a Lipid Bilayer Network. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11201-11207.	1.2	17
47	Nanofluidic Networks Based on Surfactant Membrane Technology. <i>Analytical Chemistry</i> , 2003, 75, 2529-2537.	3.2	55
48	Artificial cells: Unique insights into exocytosis using liposomes and lipid nanotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 400-404.	3.3	122
49	A Nanofluidic Switching Device. <i>Journal of the American Chemical Society</i> , 2003, 125, 8442-8443.	6.6	39
50	Moving-Wall-Driven Flows in Nanofluidic Systems. <i>Langmuir</i> , 2002, 18, 4186-4190.	1.6	86
51	Electroporation of Single Cells and Tissues with an Electrolyte-filled Capillary. <i>Analytical Chemistry</i> , 2001, 73, 4469-4477.	3.2	87
52	Micropipet-Assisted Formation of Microscopic Networks of Unilamellar Lipid Bilayer Nanotubes and Containers. <i>Langmuir</i> , 2001, 17, 6754-6758.	1.6	96
53	Networks of nanotubes and containers. <i>Nature</i> , 2001, 409, 150-152.	13.7	256
54	A protocol for extraction and purification of high-quality and quantity bacterial DNA applicable for genome sequencing: a modified version of the Marmur procedure.. <i>Protocol Exchange</i> , 0, , .	0.3	34