

# Jesper Larsen

## List of Publications by Citations

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108  
papers

4,533  
citations

38  
h-index

65  
g-index

114  
ext. papers

5,405  
ext. citations

5.9  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
108	Staphylococcus aureus CC398: host adaptation and emergence of methicillin resistance in livestock. <i>MBio</i> , <b>2012</b> , 3,	7.8	504
107	The Home Care Crew Scheduling Problem: Preference-based visit clustering and temporal dependencies. <i>European Journal of Operational Research</i> , <b>2012</b> , 219, 598-610	5.6	229
106	Disruption management in the airline industry: Concepts, models and methods. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 809-821	4.6	190
105	Whole genome sequencing identifies zoonotic transmission of MRSA isolates with the novel mecA homologue mecC. <i>EMBO Molecular Medicine</i> , <b>2013</b> , 5, 509-15	12	166
104	Railway track allocation: models and methods. <i>OR Spectrum</i> , <b>2011</b> , 33, 843-883	1.9	163
103	Airline disruption management: Perspectives, experiences and outlook. <i>Journal of Air Transport Management</i> , <b>2007</b> , 13, 149-162	5.1	142
102	Novel types of staphylococcal cassette chromosome mec elements identified in clonal complex 398 methicillin-resistant Staphylococcus aureus strains. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 3046-50	5.9	116
101	Respiratory disease in calves: microbiological investigations on trans-tracheally aspirated bronchoalveolar fluid and acute phase protein response. <i>Veterinary Microbiology</i> , <b>2009</b> , 137, 165-71	3.3	112
100	Models for the discrete berth allocation problem: A computational comparison. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2011</b> , 47, 461-473	9	111
99	Characterization of extended-spectrum $\beta$ -lactamase (ESBL)-producing Escherichia coli obtained from Danish pigs, pig farmers and their families from farms with high or no consumption of third- or fourth-generation cephalosporins. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 2650-7	5.1	110
98	SCCFinder, a Web-Based Tool for Typing of Staphylococcal Cassette Chromosome in Using Whole-Genome Sequence Data. <i>MSphere</i> , <b>2018</b> , 3,	5	108
97	Meticillin-resistant Staphylococcus aureus CC398 is an increasing cause of disease in people with no livestock contact in Denmark, 1999 to 2011. <i>Eurosurveillance</i> , <b>2015</b> , 20,	19.8	106
96	Livestock-associated methicillin and multidrug resistant Staphylococcus aureus is present among industrial, not antibiotic-free livestock operation workers in North Carolina. <i>PLoS ONE</i> , <b>2013</b> , 8, e67641	3.7	99
95	Methicillin-resistant Staphylococcus aureus alters cell wall glycosylation to evade immunity. <i>Nature</i> , <b>2018</b> , 563, 705-709	50.4	85
94	Lagrangian duality applied to the vehicle routing problem with time windows. <i>Computers and Operations Research</i> , <b>2006</b> , 33, 1464-1487	4.6	84
93	The dynamic multi-period vehicle routing problem. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 1615-1623	4.23	80
92	Vehicle Routing Problem with Time Windows <b>2005</b> , 67-98		75

91	Evidence for Human Adaptation and Foodborne Transmission of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Clinical Infectious Diseases</i> , <b>2016</b> , 63, 1349-1352	11.6	73
90	Rapid differentiation between livestock-associated and livestock-independent <i>Staphylococcus aureus</i> CC398 clades. <i>PLoS ONE</i> , <b>2013</b> , 8, e79645	3.7	71
89	Methicillin-Resistant <i>Staphylococcus aureus</i> CC398 in Humans and Pigs in Norway: A "One Health" Perspective on Introduction and Transmission. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 63, 1431-1438	11.6	66
88	<i>Staphylococcus aureus</i> CC398 clade associated with human-to-human transmission. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 8845-8	4.8	65
87	Novel SCCmec type XIII (9A) identified in an ST152 methicillin-resistant <i>Staphylococcus aureus</i> . <i>Infection, Genetics and Evolution</i> , <b>2018</b> , 61, 74-76	4.5	63
86	Wall Teichoic Acid Glycosylation Governs <i>Staphylococcus aureus</i> Nasal Colonization. <i>MBio</i> , <b>2015</b> , 6, e00632	3.8	60
85	Emergence of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Bloodstream Infections in Denmark. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 65, 1072-1076	11.6	57
84	A survey on robustness in railway planning. <i>European Journal of Operational Research</i> , <b>2018</b> , 266, 1-15	5.6	56
83	Industrial Food Animal Production and Community Health. <i>Current Environmental Health Reports</i> , <b>2015</b> , 2, 259-71	6.5	55
82	Porcine-origin gentamicin-resistant <i>Enterococcus faecalis</i> in humans, Denmark. <i>Emerging Infectious Diseases</i> , <b>2010</b> , 16, 682-4	10.2	52
81	Methicillin-resistant and -susceptible <i>Staphylococcus aureus</i> from retail meat in Denmark. <i>International Journal of Food Microbiology</i> , <b>2017</b> , 249, 72-76	5.8	47
80	High genetic diversity of methicillin-susceptible <i>Staphylococcus aureus</i> (MSSA) from humans and animals on livestock farms and presence of SCCmec remnant DNA in MSSA CC398. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 355-62	5.1	47
79	An accessory wall teichoic acid glycosyltransferase protects <i>Staphylococcus aureus</i> from the lytic activity of Podoviridae. <i>Scientific Reports</i> , <b>2015</b> , 5, 17219	4.9	46
78	Methicillin-resistant <i>Staphylococcus aureus</i> ST9 in pigs in Thailand. <i>PLoS ONE</i> , <b>2012</b> , 7, e31245	3.7	46
77	Drivers and Dynamics of Methicillin-Resistant Livestock-Associated <i>Staphylococcus aureus</i> CC398 in Pigs and Humans in Denmark. <i>MBio</i> , <b>2018</b> , 9,	7.8	46
76	The vehicle routing problem with time windows and temporal dependencies. <i>Networks</i> , <b>2011</b> , 58, 273-289	6	44
75	Transmission of Methicillin-Resistant <i>Staphylococcus aureus</i> to Human Volunteers Visiting a Swine Farm. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	40
74	Persistence of livestock-associated antibiotic-resistant <i>Staphylococcus aureus</i> among industrial hog operation workers in North Carolina over 14 days. <i>Occupational and Environmental Medicine</i> , <b>2015</b> , 72, 90-9	2.1	40

73	A set packing inspired method for real-time junction train routing. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 713-724	4.6	39
72	Prevalence of nasal carriage and diversity of <i>Staphylococcus aureus</i> among inpatients and hospital staff at Korle Bu Teaching Hospital, Ghana. <i>Journal of Global Antimicrobial Resistance</i> , <b>2013</b> , 1, 189-193	3.4	38
71	Horses in Denmark Are a Reservoir of Diverse Clones of Methicillin-Resistant and -Susceptible. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 543	5.7	38
70	The Prevalence of Antibiotic-Resistant Nasal Carriage among Industrial Hog Operation Workers, Community Residents, and Children Living in Their Households: North Carolina, USA. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 560-569	8.4	34
69	Copresence of tet(K) and tet(M) in Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Clonal Complex 398 Is Associated with Increased Fitness during Exposure to Sublethal Concentrations of Tetracycline. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 4401-3	5.9	34
68	Routing Trains Through Railway Junctions: A New Set-Packing Approach. <i>Transportation Science</i> , <b>2011</b> , 45, 228-245	4.4	34
67	A column generation approach for solving the patient admission scheduling problem. <i>European Journal of Operational Research</i> , <b>2014</b> , 235, 252-264	5.6	33
66	Potential pathogenicity and host range of extended-spectrum beta-lactamase-producing <i>Escherichia coli</i> isolates from healthy poultry. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 5830-3	4.8	30
65	Dynamic of livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> CC398 in pig farm households: a pilot study. <i>PLoS ONE</i> , <b>2013</b> , 8, e65512	3.7	30
64	Phylogenetic analysis of <i>Staphylococcus aureus</i> CC398 reveals a sub-lineage epidemiologically associated with infections in horses. <i>PLoS ONE</i> , <b>2014</b> , 9, e88083	3.7	30
63	Rolling stock scheduling with maintenance requirements at the Chinese High-Speed Railway. <i>Transportation Research Part B: Methodological</i> , <b>2019</b> , 126, 24-44	7.2	29
62	Antimicrobial susceptibilities and population structure of <i>Staphylococcus epidermidis</i> associated with ovine mastitis. <i>Veterinary Microbiology</i> , <b>2011</b> , 148, 45-50	3.3	28
61	Surface Glycopolymers Are Crucial for In Vitro Anti-Wall Teichoic Acid IgG-Mediated Complement Activation and Opsonophagocytosis of <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , <b>2015</b> , 83, 4247-55	3.7	25
60	A hub location problem with fully interconnected backbone and access networks. <i>Computers and Operations Research</i> , <b>2007</b> , 34, 2520-2531	4.6	25
59	Genome investigations show host adaptation and transmission of LA-MRSA CC398 from pigs into Danish healthcare institutions. <i>Scientific Reports</i> , <b>2019</b> , 9, 18655	4.9	25
58	Genomic identification of cryptic susceptibility to penicillins and $\beta$ -lactamase inhibitors in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Nature Microbiology</i> , <b>2019</b> , 4, 1680-1691	26.6	24
57	Porcine and human community reservoirs of <i>Enterococcus faecalis</i> , Denmark. <i>Emerging Infectious Diseases</i> , <b>2011</b> , 17, 2395-7	10.2	23
56	Presence of methicillin-resistant <i>Staphylococcus aureus</i> in pigs in Peru. <i>PLoS ONE</i> , <b>2011</b> , 6, e28529	3.7	23

55	Comprehensive molecular, genomic and phenotypic analysis of a major clone of <i>Enterococcus faecalis</i> MLST ST40. <i>BMC Genomics</i> , <b>2015</b> , 16, 175	4.5	22
54	Effect of dietary gluten on dendritic cells and innate immune subsets in BALB/c and NOD mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118618	3.7	22
53	<i>Escherichia coli</i> producing CTX-M-1, -2, and -9 group beta-lactamases in organic chicken egg production. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 3527-8	5.9	21
52	Gliadin fragments and a specific gliadin 33-mer peptide close KATP channels and induce insulin secretion in INS-1E cells and rat islets of langerhans. <i>PLoS ONE</i> , <b>2013</b> , 8, e66474	3.7	21
51	Livestock-Associated, Antibiotic-Resistant <i>Staphylococcus aureus</i> Nasal Carriage and Recent Skin and Soft Tissue Infection among Industrial Hog Operation Workers. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165713	3.7	21
50	An adaptive large neighborhood search procedure applied to the dynamic patient admission scheduling problem. <i>Artificial Intelligence in Medicine</i> , <b>2016</b> , 74, 21-31	7.4	21
49	Dietary gluten increases natural killer cell cytotoxicity and cytokine secretion. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 3056-67	6.1	20
48	A hybrid column generation approach for an industrial waste collection routing problem. <i>Computers and Industrial Engineering</i> , <b>2014</b> , 71, 10-20	6.4	20
47	Mitigation of airspace congestion impact on airline networks. <i>Journal of Air Transport Management</i> , <b>2015</b> , 47, 54-65	5.1	18
46	European hedgehogs ( <i>Erinaceus europaeus</i> ) as a natural reservoir of methicillin-resistant <i>Staphylococcus aureus</i> carrying <i>mecC</i> in Denmark. <i>PLoS ONE</i> , <b>2019</b> , 14, e0222031	3.7	17
45	Occurrence of <i>Staphylococcus aureus</i> in swine and swine workplace environments on industrial and antibiotic-free hog operations in North Carolina, USA: A One Health pilot study. <i>Environmental Research</i> , <b>2018</b> , 163, 88-96	7.9	16
44	A multilevel variable neighborhood search heuristic for a practical vehicle routing and driver scheduling problem. <i>Networks</i> , <b>2011</b> , 58, 311-322	1.6	16
43	Livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> is widespread in farmed mink ( <i>Neovison vison</i> ). <i>Veterinary Microbiology</i> , <b>2017</b> , 207, 44-49	3.3	16
42	Commercial Biocides Induce Transfer of Prophage $\phi$ 3 from Human Strains of to Livestock CC398. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2418	5.7	15
41	Face Mask Use and Persistence of Livestock-associated Nasal Carriage among Industrial Hog Operation Workers and Household Contacts, USA. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 127005	8.4	15
40	Multilocus sequence typing scheme for <i>Staphylococcus aureus</i> : revision of the <i>gmk</i> locus. <i>Journal of Clinical Microbiology</i> , <b>2012</b> , 50, 2538-9	9.7	14
39	Complete genome sequence of the porcine isolate <i>Enterococcus faecalis</i> D32. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 5490-1	3.5	14
38	Identification of a novel <i>Mannheimia granulomatis</i> lineage from lesions in roe deer ( <i>Capreolus capreolus</i> ). <i>Journal of Wildlife Diseases</i> , <b>2007</b> , 43, 345-52	1.3	14

37	Large Gliadin Peptides Detected in the Pancreas of NOD and Healthy Mice following Oral Administration. <i>Journal of Diabetes Research</i> , <b>2016</b> , 2016, 2424306	3.9	14
36	A mechanistic model for spread of livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> (LA-MRSA) within a pig herd. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188429	3.7	13
35	Evidence for vertical inheritance and loss of the leukotoxin operon in genus <i>Mannheimia</i> . <i>Journal of Molecular Evolution</i> , <b>2007</b> , 64, 423-37	3.1	13
34	<i>Staphylococcus aureus</i> CC395 harbours a novel composite staphylococcal cassette chromosome mec element. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 1002-1005	5.1	12
33	An integrated rolling stock planning model for the Copenhagen suburban passenger railway. <i>Journal of Rail Transport Planning and Management</i> , <b>2015</b> , 5, 240-262	2.1	12
32	Gentamicin-resistant <i>Enterococcus faecalis</i> sequence type 6 with reduced penicillin susceptibility: diagnostic and therapeutic implications. <i>Journal of Clinical Microbiology</i> , <b>2010</b> , 48, 3820-1	9.7	12
31	Preventing the introduction of methicillin-resistant <i>Staphylococcus aureus</i> into hospitals. <i>Journal of Global Antimicrobial Resistance</i> , <b>2014</b> , 2, 260-268	3.4	11
30	Bovine subclinical mastitis caused by <i>Mannheimia granulomatis</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2010</b> , 22, 995-7	1.5	11
29	Tramp ship routing and scheduling with voyage separation requirements. <i>OR Spectrum</i> , <b>2017</b> , 39, 913-943	3.9	10
28	Evaluation of a widely used culture-based method for detection of livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> (MRSA), Denmark and Norway, 2014 to 2016. <i>Eurosurveillance</i> , <b>2017</b> , 22,	19.8	9
27	Improved exact method for the double TSP with multiple stacks. <i>Networks</i> , <b>2011</b> , 58, 290-300	1.6	8
26	International travel as source of a hospital outbreak with an unusual methicillin-resistant clonal complex 398, Denmark, 2016. <i>Eurosurveillance</i> , <b>2019</b> , 24,	19.8	8
25	Comparison of livestock-associated and community-associated <i>Staphylococcus aureus</i> pathogenicity in a mouse model of skin and soft tissue infection. <i>Scientific Reports</i> , <b>2019</b> , 9, 6774	4.9	7
24	Prevalence of feline haemoplasma in cats in Denmark. <i>Acta Veterinaria Scandinavica</i> , <b>2016</b> , 58, 78	2	7
23	Gluten-free diet during pregnancy alleviates signs of diabetes and celiac disease in NOD mouse offspring. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2018</b> , 34, e2987	7.5	6
22	A matheuristic for the driver scheduling problem with staff cars. <i>European Journal of Operational Research</i> , <b>2019</b> , 275, 280-294	5.6	6
21	Spread of LA-MRSA CC398 in Danish mink ( <i>Neovison vison</i> ) and mink farm workers. <i>Veterinary Microbiology</i> , <b>2020</b> , 245, 108705	3.3	5
20	European external quality assessments for identification, molecular typing and characterization of <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 2662-2666	5.1	4

19	Analysis of gene order data supports vertical inheritance of the leukotoxin operon and genome rearrangements in the 5Tflanking region in genus <i>Mannheimia</i> . <i>BMC Evolutionary Biology</i> , <b>2007</b> , 7, 184	3	4
18	Equidistant representations: Connecting coverage and uniformity in discrete biobjective optimization. <i>Computers and Operations Research</i> , <b>2020</b> , 117, 104872	4.6	4
17	Phage-Mediated Immune Evasion and Transmission of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> in Humans. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26,	10.2	4
16	Transmission of Antimicrobial-Resistant <i>Staphylococcus aureus</i> Clonal Complex 9 between Pigs and Humans, United States. <i>Emerging Infectious Diseases</i> , <b>2021</b> , 27, 740-748	10.2	4
15	MRSA outbreak in a tertiary neonatal intensive care unit in Iceland. <i>Infectious Diseases</i> , <b>2019</b> , 51, 815-823	3.1	3
14	No apparent transmission of livestock-associated methicillin-resistant CC398 in a survey of staff at a regional Danish hospital. <i>Antimicrobial Resistance and Infection Control</i> , <b>2017</b> , 6, 126	6.2	3
13	A heuristic and hybrid method for the tank allocation problem in maritime bulk shipping. <i>4or</i> , <b>2016</b> , 14, 417-444	1.4	3
12	A new approach to the Container Positioning Problem. <i>Flexible Services and Manufacturing Journal</i> , <b>2016</b> , 28, 617-643	1.8	3
11	Investigation of the human nasal microbiome in persons with long- and short-term exposure to methicillin-resistant <i>Staphylococcus aureus</i> and other bacteria from the pig farm environment. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232456	3.7	2
10	Evolution of the leukotoxin promoter in genus <i>Mannheimia</i> . <i>BMC Evolutionary Biology</i> , <b>2009</b> , 9, 121	3	2
9	Arthritis Caused by MRSA CC398 in Patient without Animal Contact, Japan. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 3104-3105	10.2	2
8	Optimising the travel time of a line plan. <i>4or</i> , <b>2019</b> , 17, 225-259	1.4	2
7	Cladribine inhibits secretion of pro-inflammatory cytokines and phagocytosis in human monocyte-derived M1 macrophages in-vitro. <i>International Immunopharmacology</i> , <b>2021</b> , 91, 107270	5.8	2
6	A column generation approach for the driver scheduling problem with staff cars. <i>Public Transport</i> , 1	2.1	2
5	Solving the selective multi-category parallel-servicing problem. <i>Journal of Scheduling</i> , <b>2015</b> , 18, 165-184	1.6	1
4	Carry-over of host nutrients during sampling enhances undesired growth of <i>Staphylococcus aureus</i> in liquid Amies transport medium. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2019</b> , 93, 5-8	2.9	1
3	Adipose Tissue-Derived Stromal Cells Induce a Highly Trophic Environment While Reducing Maturation of Monocyte-Derived Dendritic Cells. <i>Stem Cells International</i> , <b>2020</b> , 2020, 8868909	5	0
2	Development of an Assay to Assess Pharmacological Compounds and Reversion of Tumor-Derived Immunosuppression of Dendritic Cells. <i>Immunological Investigations</i> , <b>2021</b> , 50, 527-543	2.9	0



1 Detection of lncRNA by LNA-Based In Situ Hybridization in Paraffin-Embedded Cancer Cell Spheroids. *Methods in Molecular Biology*, **2021**, 2348, 123-137

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