

Jesper Larsen

List of Publications by Year in descending order

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111
papers

6,183
citations

70961

41
h-index

76769

74
g-index

114
all docs

114
docs citations

114
times ranked

6006
citing authors

#	ARTICLE	IF	CITATIONS
1	Staphylococcus aureus CC398: Host Adaptation and Emergence of Methicillin Resistance in Livestock. MBio, 2012, 3, .	1.8	638
2	The Home Care Crew Scheduling Problem: Preference-based visit clustering and temporal dependencies. European Journal of Operational Research, 2012, 219, 598-610.	3.5	308
3	Disruption management in the airline industryâ€”Concepts, models and methods. Computers and Operations Research, 2010, 37, 809-821.	2.4	241
4	Railway track allocation: models and methods. OR Spectrum, 2011, 33, 843-883.	2.1	224
5	SCC <i>mecA</i> Finder, a Web-Based Tool for Typing of Staphylococcal Cassette Chromosome <i>mecA</i> in Staphylococcus aureus Using Whole-Genome Sequence Data. MSphere, 2018, 3, .	1.3	197
6	Whole genome sequencing identifies zoonotic transmission of MRSA isolates with the novel <i>mecA</i> homologue <i>mecC</i> . EMBO Molecular Medicine, 2013, 5, 509-515.	3.3	192
7	Airline disruption managementâ€”Perspectives, experiences and outlook. Journal of Air Transport Management, 2007, 13, 149-162.	2.4	189
8	Characterization of extended-spectrum β -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. Journal of Antimicrobial Chemotherapy, 2014, 69, 2650-2657.	1.3	149
9	Methicillin-resistant Staphylococcus aureus alters cell wall glycosylation to evade immunity. Nature, 2018, 563, 705-709.	13.7	137
10	Novel Types of Staphylococcal Cassette Chromosome <i>mecA</i> Elements Identified in Clonal Complex 398 Methicillin-Resistant Staphylococcus aureus Strains. Antimicrobial Agents and Chemotherapy, 2011, 55, 3046-3050.	1.4	136
11	Models for the discrete berth allocation problem: A computational comparison. Transportation Research, Part E: Logistics and Transportation Review, 2011, 47, 461-473.	3.7	134
12	Respiratory disease in calves: Microbiological investigations on trans-tracheally aspirated bronchoalveolar fluid and acute phase protein response. Veterinary Microbiology, 2009, 137, 165-171.	0.8	133
13	Livestock-Associated Methicillin and Multidrug Resistant Staphylococcus aureus Is Present among Industrial, Not Antibiotic-Free Livestock Operation Workers in North Carolina. PLoS ONE, 2013, 8, e67641.	1.1	130
14	Methicillin-resistant Staphylococcus aureus CC398 is an increasing cause of disease in people with no livestock contact in Denmark, 1999 to 2011. Eurosurveillance, 2015, 20, .	3.9	130
15	Vehicle Routing Problem with Time Windows. , 2005, , 67-98.		117
16	The dynamic multi-period vehicle routing problem. Computers and Operations Research, 2010, 37, 1615-1623.	2.4	107
17	Lagrangian duality applied to the vehicle routing problem with time windows. Computers and Operations Research, 2006, 33, 1464-1487.	2.4	101
18	Novel SCC <i>mec</i> type XIII (9A) identified in an ST152 methicillin-resistant Staphylococcus aureus. Infection, Genetics and Evolution, 2018, 61, 74-76.	1.0	97

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19	A survey on robustness in railway planning. <i>European Journal of Operational Research</i> , 2018, 266, 1-15.	3.5	90
20	Evidence for Human Adaptation and Foodborne Transmission of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> : Table 1.. <i>Clinical Infectious Diseases</i> , 2016, 63, 1349-1352.	2.9	89
21	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> , 2016, 63, 1431-1438.	2.9	86
22	Wall Teichoic Acid Glycosylation Governs <i>Staphylococcus aureus</i> Nasal Colonization. <i>MBio</i> , 2015, 6, e00632.	1.8	84
23	Methicillin-resistant and -susceptible <i>Staphylococcus aureus</i> from retail meat in Denmark. <i>International Journal of Food Microbiology</i> , 2017, 249, 72-76.	2.1	83
24	Rapid Differentiation between Livestock-Associated and Livestock-Independent <i>Staphylococcus aureus</i> CC398 Clades. <i>PLoS ONE</i> , 2013, 8, e79645.	1.1	78
25	Emergence of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Bloodstream Infections in Denmark. <i>Clinical Infectious Diseases</i> , 2017, 65, 1072-1076.	2.9	78
26	<i>Staphylococcus aureus</i> CC398 Clade Associated with Human-to-Human Transmission. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8845-8848.	1.4	75
27	Industrial Food Animal Production and Community Health. <i>Current Environmental Health Reports</i> , 2015, 2, 259-271.	3.2	74
28	Drivers and Dynamics of Methicillin-Resistant Livestock-Associated <i>Staphylococcus aureus</i> CC398 in Pigs and Humans in Denmark. <i>MBio</i> , 2018, 9, .	1.8	74
29	An accessory wall teichoic acid glycosyltransferase protects <i>Staphylococcus aureus</i> from the lytic activity of Podoviridae. <i>Scientific Reports</i> , 2015, 5, 17219.	1.6	68
30	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> , 2014, 69, 355-362.	1.3	63
31	Horses in Denmark Are a Reservoir of Diverse Clones of Methicillin-Resistant and -Susceptible <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 543.	1.5	63
32	Porcine-Origin Gentamicin-Resistant <i>Enterococcus faecalis</i> in Humans, Denmark. <i>Emerging Infectious Diseases</i> , 2010, 16, 682-684.	2.0	62
33	Methicillin-Resistant <i>Staphylococcus aureus</i> ST9 in Pigs in Thailand. <i>PLoS ONE</i> , 2012, 7, e31245.	1.1	62
34	The vehicle routing problem with time windows and temporal dependencies. <i>Networks</i> , 2011, 58, 273-289.	1.6	57
35	Rolling stock scheduling with maintenance requirements at the Chinese High-Speed Railway. <i>Transportation Research Part B: Methodological</i> , 2019, 126, 24-44.	2.8	54
36	A set packing inspired method for real-time junction train routing. <i>Computers and Operations Research</i> , 2013, 40, 713-724.	2.4	52

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37	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> , 2015, 72, 90-99.	1.3	51
38	Genome investigations show host adaptation and transmission of LA-MRSA CC398 from pigs into Danish healthcare institutions. <i>Scientific Reports</i> , 2019, 9, 18655.	1.6	51
39	Transmission of Methicillin-Resistant <i>Staphylococcus aureus</i> to Human Volunteers Visiting a Swine Farm. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	50
40	The Prevalence of Antibiotic-Resistant <i>Staphylococcus aureus</i> Nasal Carriage among Industrial Hog Operation Workers, Community Residents, and Children Living in Their Households: North Carolina, USA. <i>Environmental Health Perspectives</i> , 2017, 125, 560-569.	2.8	48
41	Genomic identification of cryptic susceptibility to penicillins and β -lactamase inhibitors in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Nature Microbiology</i> , 2019, 4, 1680-1691.	5.9	47
42	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> , 2013, 1, 189-193.	0.9	45
43	A column generation approach for solving the patient admission scheduling problem. <i>European Journal of Operational Research</i> , 2014, 235, 252-264.	3.5	45
44	Routing Trains Through Railway Junctions: A New Set-Packing Approach. <i>Transportation Science</i> , 2011, 45, 228-245.	2.6	44
45	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> , 2016, 60, 4401-4403.	1.4	44
46	Dynamic of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> CC398 in Pig Farm Households: A Pilot Study. <i>PLoS ONE</i> , 2013, 8, e65512.	1.1	37
47	Phylogenetic Analysis of <i>Staphylococcus aureus</i> CC398 Reveals a Sub-Lineage Epidemiologically Associated with Infections in Horses. <i>PLoS ONE</i> , 2014, 9, e88083.	1.1	37
48	Antimicrobial susceptibilities and population structure of <i>Staphylococcus epidermidis</i> associated with ovine mastitis. <i>Veterinary Microbiology</i> , 2011, 148, 45-50.	0.8	36
49	Potential Pathogenicity and Host Range of Extended-Spectrum β -Lactamase-Producing <i>Escherichia coli</i> Isolates from Healthy Poultry. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5830-5833.	1.4	36
50	Dietary gluten increases natural killer cell cytotoxicity and cytokine secretion. <i>European Journal of Immunology</i> , 2014, 44, 3056-3067.	1.6	35
51	Comprehensive molecular, genomic and phenotypic analysis of a major clone of <i>Enterococcus faecalis</i> MLST ST40. <i>BMC Genomics</i> , 2015, 16, 175.	1.2	33
52	An adaptive large neighborhood search procedure applied to the dynamic patient admission scheduling problem. <i>Artificial Intelligence in Medicine</i> , 2016, 74, 21-31.	3.8	33
53	A hub location problem with fully interconnected backbone and access networks. <i>Computers and Operations Research</i> , 2007, 34, 2520-2531.	2.4	32
54	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> , 2019, 14, e0222031.	1.1	30

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55	Porcine and Human Community Reservoirs of <i>Enterococcus faecalis</i> , Denmark. <i>Emerging Infectious Diseases</i> , 2011, 17, 2395-2397.	2.0	29
56	Mitigation of airspace congestion impact on airline networks. <i>Journal of Air Transport Management</i> , 2015, 47, 54-65.	2.4	29
57	Surface Glycopolymers Are Crucial for <i>In Vitro</i> Anti-Wall Teichoic Acid IgG-Mediated Complement Activation and Opsonophagocytosis of <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2015, 83, 4247-4255.	1.0	29
58	Presence of Methicillin-Resistant <i>Staphylococcus aureus</i> in Pigs in Peru. <i>PLoS ONE</i> , 2011, 6, e28529.	1.1	29
59	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> , 2016, 11, e0165713.	1.1	29
60	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> , 2018, 163, 88-96.	3.7	28
61	Face Mask Use and Persistence of Livestock-associated <i>Staphylococcus aureus</i> Nasal Carriage among Industrial Hog Operation Workers and Household Contacts, USA. <i>Environmental Health Perspectives</i> , 2018, 126, 127005.	2.8	28
62	Effect of Dietary Gluten on Dendritic Cells and Innate Immune Subsets in BALB/c and NOD Mice. <i>PLoS ONE</i> , 2015, 10, e0118618.	1.1	27
63	<i>Escherichia coli</i> Producing CTX-M-1, -2, and -9 Group β -Lactamases in Organic Chicken Egg Production. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3527-3528.	1.4	25
64	A hybrid column generation approach for an industrial waste collection routing problem. <i>Computers and Industrial Engineering</i> , 2014, 71, 10-20.	3.4	25
65	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> , 2013, 8, e66474.	1.1	25
66	Multilocus Sequence Typing Scheme for <i>Staphylococcus aureus</i> : Revision of the <i>gmk</i> Locus. <i>Journal of Clinical Microbiology</i> , 2012, 50, 2538-2539.	1.8	24
67	Large Gliadin Peptides Detected in the Pancreas of NOD and Healthy Mice following Oral Administration. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-11.	1.0	24
68	Commercial Biocides Induce Transfer of Prophage ϕ 13 from Human Strains of <i>Staphylococcus aureus</i> to Livestock CC398. <i>Frontiers in Microbiology</i> , 2017, 8, 2418.	1.5	23
69	International travel as source of a hospital outbreak with an unusual methicillin-resistant <i>Staphylococcus aureus</i> clonal complex 398, Denmark, 2016. <i>Eurosurveillance</i> , 2019, 24, .	3.9	22
70	Phage-Mediated Immune Evasion and Transmission of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> in Humans. <i>Emerging Infectious Diseases</i> , 2020, 26, .	2.0	21
71	A multilevel variable neighborhood search heuristic for a practical vehicle routing and driver scheduling problem. <i>Networks</i> , 2011, 58, 311-322.	1.6	19
72	Livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> is widespread in farmed mink () Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	0.8	19

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73	Gentamicin-Resistant <i>Enterococcus faecalis</i> Sequence Type 6 with Reduced Penicillin Susceptibility: Diagnostic and Therapeutic Implications. <i>Journal of Clinical Microbiology</i> , 2010, 48, 3820-3821.	1.8	18
74	IDENTIFICATION OF A NOVEL MANNHEIMIA GRANULOMATIS LINEAGE FROM LESIONS IN ROE DEER (<i>CAPREOLUS CAPREOLUS</i>). <i>Journal of Wildlife Diseases</i> , 2007, 43, 345-352.	0.3	16
75	Complete Genome Sequence of the Porcine Isolate <i>Enterococcus faecalis</i> D32. <i>Journal of Bacteriology</i> , 2012, 194, 5490-5491.	1.0	16
76	<i>Staphylococcus aureus</i> CC395 harbours a novel composite staphylococcal cassette chromosome <i>mec</i> element. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, dkw544.	1.3	16
77	Tramp ship routing and scheduling with voyage separation requirements. <i>OR Spectrum</i> , 2017, 39, 913-943.	2.1	16
78	A mechanistic model for spread of livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> (LA-MRSA) within a pig herd. <i>PLoS ONE</i> , 2017, 12, e0188429.	1.1	16
79	An integrated rolling stock planning model for the Copenhagen suburban passenger railway. <i>Journal of Rail Transport Planning and Management</i> , 2015, 5, 240-262.	0.8	15
80	Evidence for Vertical Inheritance and Loss of the Leukotoxin Operon in Genus <i>Mannheimia</i> . <i>Journal of Molecular Evolution</i> , 2007, 64, 423-437.	0.8	14
81	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> , 2020, 15, e0232456.	1.1	13
82	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> , 2017, 22, .	3.9	13
83	Bovine Subclinical Mastitis Caused by <i>Mannheimia Granulomatis</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , 2010, 22, 995-997.	0.5	12
84	Preventing the introduction of methicillin-resistant <i>Staphylococcus aureus</i> into hospitals. <i>Journal of Global Antimicrobial Resistance</i> , 2014, 2, 260-268.	0.9	12
85	Spread of LA-MRSA CC398 in Danish mink (<i>Neovison vison</i>) and mink farm workers. <i>Veterinary Microbiology</i> , 2020, 245, 108705.	0.8	12
86	Improved exact method for the double TSP with multiple stacks. <i>Networks</i> , 2011, 58, 290-300.	1.6	11
87	Gluten-free diet during pregnancy alleviates signs of diabetes and celiac disease in NOD mouse offspring. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e2987.	1.7	11
88	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> , 2019, 9, 6774.	1.6	11
89	Transmission of Antimicrobial-Resistant <i>Staphylococcus aureus</i> Clonal Complex 9 between Pigs and Humans, United States. <i>Emerging Infectious Diseases</i> , 2021, 27, 740-748.	2.0	11
90	Monocyte Infiltration and Differentiation in 3D Multicellular Spheroid Cancer Models. <i>Pathogens</i> , 2021, 10, 969.	1.2	11

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91	A matheuristic for the driver scheduling problem with staff cars. <i>European Journal of Operational Research</i> , 2019, 275, 280-294.	3.5	9
92	Prevalence of feline haemoplasma in cats in Denmark. <i>Acta Veterinaria Scandinavica</i> , 2016, 58, 78.	0.5	8
93	Equidistant representations: Connecting coverage and uniformity in discrete biobjective optimization. <i>Computers and Operations Research</i> , 2020, 117, 104872.	2.4	8
94	Cladribine inhibits secretion of pro-inflammatory cytokines and phagocytosis in human monocyte-derived M1 macrophages in-vitro. <i>International Immunopharmacology</i> , 2021, 91, 107270.	1.7	8
95	Adipose Tissue-Derived Stromal Cells Induce a Highly Trophic Environment While Reducing Maturation of Monocyte-Derived Dendritic Cells. <i>Stem Cells International</i> , 2020, 2020, 1-12.	1.2	7
96	European external quality assessments for identification, molecular typing and characterization of <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2662-2666.	1.3	6
97	MRSA outbreak in a tertiary neonatal intensive care unit in Iceland. <i>Infectious Diseases</i> , 2019, 51, 815-823.	1.4	6
98	In vitro 2D and 3D cancer models to evaluate compounds that modulate macrophage polarization. <i>Cellular Immunology</i> , 2022, 378, 104574.	1.4	6
99	Analysis of gene order data supports vertical inheritance of the leukotoxin operon and genome rearrangements in the 5' flanking region in genus <i>Mannheimia</i> . <i>BMC Evolutionary Biology</i> , 2007, 7, 184.	3.2	5
100	A heuristic and hybrid method for the tank allocation problem in maritime bulk shipping. <i>4or</i> , 2016, 14, 417-444.	1.0	5
101	No apparent transmission of livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> CC398 in a survey of staff at a regional Danish hospital. <i>Antimicrobial Resistance and Infection Control</i> , 2017, 6, 126.	1.5	5
102	Evolution of the leukotoxin promoter in genus <i>Mannheimia</i> . <i>BMC Evolutionary Biology</i> , 2009, 9, 121.	3.2	4
103	A new approach to the Container Positioning Problem. <i>Flexible Services and Manufacturing Journal</i> , 2016, 28, 617-643.	1.9	3
104	Optimising the travel time of a line plan. <i>4or</i> , 2019, 17, 225-259.	1.0	3
105	A column generation approach for the driver scheduling problem with staff cars. <i>Public Transport</i> , 0, 1.	1.7	3
106	Arthritis Caused by MRSA CC398 in Patient without Animal Contact, Japan. <i>Emerging Infectious Diseases</i> , 2020, 26, 3104-3105.	2.0	2
107	Development of an In Vitro Assay to Assess Pharmacological Compounds and Reversion of Tumor-Derived Immunosuppression of Dendritic Cells. <i>Immunological Investigations</i> , 2020, 50, 1-17.	1.0	2
108	Detection of lncRNA by LNA-Based In Situ Hybridization in Paraffin-Embedded Cancer Cell Spheroids. <i>Methods in Molecular Biology</i> , 2021, 2348, 123-137.	0.4	2

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109	Title is missing!. Computers and Operations Research, 2010, 37, 807-808.	2.4	1
110	Solving the selective multi-category parallel-servicing problem. Journal of Scheduling, 2015, 18, 165-184.	1.3	1
111	Carry-over of host nutrients during sampling enhances undesired growth of Staphylococcus aureus in liquid Amies transport medium. Diagnostic Microbiology and Infectious Disease, 2019, 93, 5-8.	0.8	1