Roman Pantucek

List of Publications by Year
in descending order

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100 papers	3,030 citations	147801 31 h-index	197818 49 g-index
103 all docs	103 docs citations	103 times ranked	3158 citing authors

#	Article	IF	Citations
1	Diversity of Prophages in Dominant Staphylococcus aureus Clonal Lineages. Journal of Bacteriology, 2009, 191, 3462-3468.	2.2	257
2	Proteomics uncovers extreme heterogeneity in the Staphylococcus aureus exoproteome due to genomic plasticity and variant gene regulation. Proteomics, 2010, 10, 1634-1644.	2.2	129
3	The Polyvalent Staphylococcal Phage Ï†812:Its Host-Range Mutants and Related Phages. Virology, 1998, 246, 241-252.	2.4	81
4	Structure and genome release of Twort-like Myoviridae phage with a double-layered baseplate. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9351-9356.	7.1	77
5	Identification of bacteriophage types and their carriage in Staphylococcus aureus. Archives of Virology, 2004, 149, 1689-1703.	2.1	76
6	Efficient transfer of antibiotic resistance plasmids by transduction within methicillin-resistant Staphylococcus aureus USA300 clone. FEMS Microbiology Letters, 2012, 332, 146-152.	1.8	73
7	Structure and mechanism of DNA delivery of a gene transfer agent. Nature Communications, 2020, 11, 3034.	12.8	71
8	Staphylococcus equorum and Staphylococcus succinus isolated from human clinical specimens. Journal of Medical Microbiology, 2006, 55, 523-528.	1.8	68
9	Genomic Variability of Staphylococcus aureus and the Other Coagulase-Positive Staphylococcus Species Estimated by Macrorestriction Analysis Using Pulsed-Field Gel Electrophoresis. International Journal of Systematic Bacteriology, 1996, 46, 216-222.	2.8	67
10	Multilocus PCR typing strategy for differentiation of Staphylococcus aureus siphoviruses reflecting their modular genome structure. Environmental Microbiology, 2010, 12, 2527-2538.	3.8	67
11	Bacteriophages of <scp>S</scp>taphylococcus aureus efficiently package various bacterial genes and mobile genetic elements including <scp>SCC</scp>mec with different frequencies. Environmental Microbiology Reports, 2013, 5, 66-73.	2.4	66
12	Description and Comparative Genomics of Macrococcus caseolyticus subsp. hominis subsp. nov., Macrococcus goetzii sp. nov., Macrococcus epidermidis sp. nov., and Macrococcus bohemicus sp. nov., Novel Macrococci From Human Clinical Material With Virulence Potential and Suspected Uptake of Foreign DNA by Natural Transformation. Frontiers in Microbiology, 2018, 9, 1178.	3.5	65
13	Staphylococcus edaphicus sp. nov., Isolated in Antarctica, Harbors the mecC Gene and Genomic Islands with a Suspected Role in Adaptation to Extreme Environments. Applied and Environmental Microbiology, 2018, 84, .	3.1	60
14	Description of Massilia rubra sp. nov., Massilia aquatica sp. nov., Massilia mucilaginosa sp. nov., Massilia frigida sp. nov., and one Massilia genomospecies isolated from Antarctic streams, lakes and regoliths. Systematic and Applied Microbiology, 2020, 43, 126112.	2.8	60
15	Macrococcus brunensis sp. nov., Macrococcus hajekii sp. nov. and Macrococcus lamae sp. nov., from the skin of llamas. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1647-1654.	1.7	55
16	Silk route to the acceptance and reâ€implementation of bacteriophage therapy. Biotechnology Journal, 2016, 11, 595-600.	3.5	54
17	Genetically modified bacteriophages in applied microbiology. Journal of Applied Microbiology, 2016, 121, 618-633.	3.1	52
18	Structure and genome ejection mechanism of Staphylococcus aureus phage P68. Science Advances, 2019, 5, eaaw7414.	10.3	49

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19	Staphylococcus sciuri bacteriophages double-convert for staphylokinase and phospholipase, mediate interspecies plasmid transduction, and package mecA gene. Scientific Reports, 2017, 7, 46319.	3.3	48
20	Staphylococcus simiae sp. nov., isolated from South American squirrel monkeys. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1953-1958.	1.7	47
21	Silk Route to the Acceptance and Re-Implementation of Bacteriophage Therapyâ€"Part II. Antibiotics, 2018, 7, 35.	3.7	46
22	Identification of Staphylococcus spp. using (GTG)5-PCR fingerprinting. Systematic and Applied Microbiology, 2010, 33, 451-456.	2.8	45
23	Staphylococcus petrasii sp. nov. including S. petrasii subsp. petrasii subsp. nov. and S. petrasii subsp. croceilyticus subsp. nov., isolated from human clinical specimens and human ear infections. Systematic and Applied Microbiology, 2013, 36, 90-95.	2.8	45
24	Efficient plasmid transduction toStaphylococcus aureusstrains insensitive to the lytic action of transducing phage. FEMS Microbiology Letters, 2016, 363, fnw211.	1.8	40
25	Role of SH3b binding domain in a natural deletion mutant of Kayvirus endolysin LysF1 with a broad range of lytic activity. Virus Genes, 2018, 54, 130-139.	1.6	40
26	The Staphylococcal Cassette Chromosome mec type V from Staphylococcus aureus ST398 is packaged into bacteriophage capsids. International Journal of Medical Microbiology, 2014, 304, 764-774.	3.6	39
27	Structural protein analysis of the polyvalent staphylococcal bacteriophage 812. Proteomics, 2007, 7, 64-72.	2.2	33
28	Lytic and genomic properties of spontaneous host-range Kayvirus mutants prove their suitability for upgrading phage therapeutics against staphylococci. Scientific Reports, 2019, 9, 5475.	3.3	33
29	Red-pink pigmented Hymenobacter coccineus sp. nov., Hymenobacter lapidarius sp. nov. and Hymenobacter glacialis sp. nov., isolated from rocks in Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1975-1983.	1.7	33
30	Molecular characterization of a new efficiently transducing bacteriophage identified in meticillin-resistant Staphylococcus aureus. Journal of General Virology, 2016, 97, 258-268.	2.9	33
31	Pedobacter jamesrossensis sp. nov., Pedobacter lithocola sp. nov., Pedobacter mendelii sp. nov. and Pedobacter petrophilus sp. nov., isolated from the Antarctic environment. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1499-1507.	1.7	32
32	Hymenobacter amundsenii sp. nov. resistant to ultraviolet radiation, isolated from regoliths in Antarctica. Systematic and Applied Microbiology, 2019, 42, 284-290.	2.8	31
33	A novel mutation leading to a premature stop codon in inlA of Listeria monocytogenes isolated from neonatal listeriosis. New Microbiologica, 2015, 38, 293-6.	0.1	30
34	Molecular diagnostics of clinically important staphylococci. Folia Microbiologica, 2004, 49, 353-386.	2.3	28
35	Staphylococcus microti sp. nov., isolated from the common vole (Microtus arvalis). International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 566-573.	1.7	27
36	Occurrence of antibiotic-resistant bacterial strains isolated in poultry. Veterinarni Medicina, 2002, 47, 52-59.	0.6	27

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37	Staphylococcus epidermidis Phages Transduce Antimicrobial Resistance Plasmids and Mobilize Chromosomal Islands. MSphere, 2021, 6, .	2.9	27
38	Classification of strain CCM 4446T as Rhodococcus degradans sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 4381-4387.	1.7	27
39	IN VITRO TESTING OF GENTAMICIN-VANCOMYCIN LOADED BONE CEMENT TO PREVENT PROSTHETIC JOINT INFECTION. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2005, 149, 153-158.	0.6	27
40	Evaluation of ribotyping for characterization and identification ofEnterococcus haemoperoxidusandEnterococcus moraviensisstrains. FEMS Microbiology Letters, 2001, 203, 23-27.	1.8	25
41	Multiplex PCR for detection of three exfoliative toxin serotype genes inStaphylococcus aureus. Folia Microbiologica, 2005, 50, 499-502.	2.3	25
42	Characteristics and distribution of plasmids in a clonally diverse set of methicillin-resistant Staphylococcus aureus strains. Archives of Microbiology, 2012, 194, 607-614.	2.2	24
43	Antimicrobial effect of commercial phage preparation StafalÂ® on biofilm and planktonic forms of methicillin-resistant Staphylococcus aureus. Folia Microbiologica, 2019, 64, 121-126.	2.3	24
44	Variability of resistance plasmids in coagulase-negative staphylococci and their importance as a reservoir of antimicrobial resistance. Research in Microbiology, 2019, 170, 105-111.	2.1	22
45	Prevalence, Genetic Diversity, and Temporary Shifts of Inducible Clindamycin Resistance Staphylococcus aureus Clones in Tehran, Iran: A Molecularâ€“Epidemiological Analysis From 2013 to 2018. Frontiers in Microbiology, 2020, 11, 663.	3.5	22
46	Rapid Identification of Intact Staphylococcal Bacteriophages Using Matrix-Assisted Laser Desorption Ionization-Time-of-Flight Mass Spectrometry. Viruses, 2018, 10, 176.	3.3	21
47	Genomic relatedness ofStaphylococcus aureusphages of the International Typing Set and detection of serogroup A, B, and F prophages in lysogenic strains. Canadian Journal of Microbiology, 2000, 46, 1066-1076.	1.7	20
48	Genotype analysis of enterotoxin H-positive Staphylococcus aureus strains isolated from food samples in the Czech Republic. International Journal of Food Microbiology, 2008, 121, 60-65.	4.7	20
49	Genomic relatedness of Staphylococcus aureus phages of the International Typing Set and detection of serogroup A, B, and F prophages in lysogenic strains. Canadian Journal of Microbiology, 2000, 46, 1066-1076.	1.7	20
50	Localization of prophages of serological group B and F on restriction fragments defined in the restriction map of Staphylococcus aureus NCTC 8325. FEMS Microbiology Letters, 1996, 143, 203-210.	1.8	19
51	Occurance ofStaphylococcus nepalensisstrains in different sources including human clinical material. FEMS Microbiology Letters, 2006, 263, 163-168.	1.8	19
52	Characterization of Staphylococcus intermedius Group Isolates Associated with Animals from Antarctica and Emended Description of Staphylococcus delphini. Microorganisms, 2020, 8, 204.	3.6	19
53	Identification of Staphylococcus aureus based on PCR amplification of species specific genomic 826 bp sequence derived from a common 44-kb Sma I restriction fragment. Molecular and Cellular Probes, 2001, 15, 249-257.	2.1	18
54	Application of bacteriophages. Microbiology Australia, 2017, 38, 63.	0.4	18

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55	High intraspecies heterogeneity within Staphylococcus sciuri and rejection of its classification into S. sciuri subsp. sciuri, S. sciuri subsp. carnaticus and S. sciuri subsp. rodentium. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 5181-5186.	1.7	18
56	Pedobacter psychrophilus sp. nov., isolated from fragmentary rock. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2538-2543.	1.7	18
57	Staphylococcus petrasii subsp. pragensis subsp. nov., occurring in human clinical material. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2071-2077.	1.7	17
58	Electrophoretic techniques for purification, separation and detection of Kayvirus with subsequent control by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and microbiological methods. Journal of Chromatography A, 2018, 1570, 155-163.	3.7	17
59	Rufibacter ruber sp. nov., isolated from fragmentary rock. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4401-4405.	1.7	17
60	Major clonal lineages in impetigo Staphylococcus aureus strains isolated in Czech and Slovak maternity hospitals. International Journal of Medical Microbiology, 2012, 302, 237-241.	3.6	16
61	Hymenobacter terrestris sp. nov. and Hymenobacter lapidiphilus sp. nov., isolated from regoliths in Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 6364-6372.	1.7	16
62	Reclassification of Staphylococcus jettensis De Bel et al. 2013 as Staphylococcus petrasii subsp. jettensis subsp. nov. and emended description of Staphylococcus petrasii Pantucek et al. 2013. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 4198-4201.	1.7	15
63	Hymenobacter humicola sp. nov., isolated from soils in Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2755-2761.	1.7	15
64	Pseudomonas leptonychotis sp. nov., isolated from Weddell seals in Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 302-308.	1.7	15
65	Virulence factors and resistance to antimicrobials inListeria monocytogenesserotype 1/2c isolated from food. Journal of Applied Microbiology, 2016, 121, 569-576.	3.1	14
66	Molecular typing of exfoliative toxin-producing Staphylococcus aureus strains involved in epidermolytic infections. International Journal of Medical Microbiology, 2003, 292, 541-545.	3.6	13
67	Genome rearrangements in host-range mutants of the polyvalent staphylococcal bacteriophage 812. Folia Microbiologica, 2007, 52, 331-338.	2.3	13
68	Extraction of PCR-ready DNA from Staphylococcus aureus bacteriophages using carboxyl functionalized magnetic nonporous microspheres. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 599-602.	2.3	13
69	Necrotizing pneumonia due to clonally diverse Staphylococcus aureus strains producing Panton-Valentine leukocidin: the Czech experience. Epidemiology and Infection, 2016, 144, 507-515.	2.1	13
70	Complete Genome Sequence of the Type Strain of Macrococcus canis. Genome Announcements, 2018, 6, .	0.8	13
71	Nano-etched fused-silica capillary used for on-line preconcentration and electrophoretic separation of bacteriophages from large blood sample volumes with off-line MALDI-TOF mass spectrometry identification. Mikrochimica Acta, 2020, 187, 177.	5.0	13
72	Mucilaginibacter terrae sp. nov., isolated from Antarctic soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4002-4007.	1.7	13

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73	Characterization ofStaphylococcus aureusStrains Isolated from Czech Cystic Fibrosis Patients: High Rate of Ribosomal Mutation Conferring Resistance to MLSBAntibiotics as a Result of Long-Term and Low-Dose Azithromycin Treatment. Microbial Drug Resistance, 2015, 21, 416-423.	2.0	12
74	Rapid detection and differentiation of the exfoliative toxin A-producing Staphylococcus aureus strains based on Ï•ETA prophage polymorphisms. Diagnostic Microbiology and Infectious Disease, 2010, 66, 248-252.	1.8	11
75	Complete genome analysis of two new bacteriophages isolated from impetigo strains of Staphylococcus aureus. Virus Genes, 2015, 51, 122-131.	1.6	11
76	Complex genomic and phenotypic characterization of the related species Staphylococcus carnosus and Staphylococcus piscifermentans. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 941-951.	1.7	10
77	The evolutionary pathway of the staphylococcal cassette chromosome element. Biologia (Poland), 2016, 71, 1195-1203.	1.5	10
78	Enzybiotics LYSSTAPH-S and LYSDERM-S as Potential Therapeutic Agents for Chronic MRSA Wound Infections. Antibiotics, 2020, 9, 519.	3.7	10
79	Rapid Isolation, Propagation, and Online Analysis of a Small Number of Therapeutic Staphylococcal Bacteriophages from a Complex Matrix. ACS Infectious Diseases, 2020, 6, 2745-2755.	3.8	8
80	Two highly divergent lineages of exfoliative toxin B-encoding plasmids revealed in impetigo strains of Staphylococcus aureus. International Journal of Medical Microbiology, 2017, 307, 291-296.	3.6	8
81	Occurrence of vancomycin-resistant enterococci in humans and animals in the Czech Republic between 2002 and 2004. Journal of Medical Microbiology, 2005, 54, 965-967.	1.8	7
82	Genotypic characterization of toxic shock syndrome toxin-1-producing strains of Staphylococcus aureus isolated in the Czech Republic. International Journal of Medical Microbiology, 2006, 296, 49-54.	3.6	7
83	Relapsing endocarditis caused by Enterococcus faecalis forming small colony variants. Scandinavian Journal of Infectious Diseases, 2013, 45, 800-803.	1.5	7
84	Staphylococcus ratti sp. nov. Isolated from a Lab Rat. Pathogens, 2022, 11, 51.	2.8	7
85	Genomic diversity of two lineages of exfoliative toxin A-converting phages predominating in Staphylococcus aureus strains in the Czech Republic. Research in Microbiology, 2010, 161, 260-267.	2.1	6
86	Characterisation of methicillin-susceptible Staphylococcus pseudintermedius isolates from canine infections and determination of virulence factors using multiplex PCR. Veterinarni Medicina, 2017, 62, 81-89.	0.6	6
87	New Genus Fibralongavirus in Siphoviridae Phages of Staphylococcus pseudintermedius. Viruses, 2019, 11, 1143.	3.3	6
88	Analysis of Bacteriophageâ€“Host Interaction by Raman Tweezers. Analytical Chemistry, 2020, 92, 12304-12311.	6.5	6
89	Genomic relatedness of Staphylococcus aureus phages of the International Typing Set and detection of serogroup A, B, and F prophages in lysogenic strains. Canadian Journal of Microbiology, 2000, 46, 1066-76.	1.7	6
90	Genotypic characterisation of vancomycin-resistant Enterococcus faecium isolates from haemato-oncological patients at Olomouc University Hospital, Czech Republic. Clinical Microbiology and Infection, 2006, 12, 353-360.	6.0	5

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91	Atomic force microscopy and surface plasmon resonance for real-time single-cell monitoring of bacteriophage-mediated lysis of bacteria. Nanoscale, 2021, 13, 13538-13549.	5.6	5
92	Global Transcriptomic Analysis of Bacteriophage-Host Interactions between a Kayvirus Therapeutic Phage and Staphylococcus aureus. Microbiology Spectrum, 2022, 10, e0012322.	3.0	3
93	Staphylococcus petrasii diagnostics and its pathogenic potential enhanced by mobile genetic elements. International Journal of Medical Microbiology, 2019, 309, 151355.	3.6	2
94	Bacteriophage replication on permissive host cells in fused silica capillary with nanostructured part as potential of electrophoretic methods for developing phage applications. Talanta, 2021, 224, 121800.	5.5	2
95	Draft Genome Sequence of the Panton-Valentine Leucocidin-Producing Staphylococcus aureus Sequence Type 154 Strain NRL 08/001, Isolated from a Fatal Case of Necrotizing Pneumonia. Microbiology Resource Announcements, 2019, 8, .	0.6	1
96	Molecular Diagnostics of Staphylococcus aureus. NATO Science for Peace and Security Series A: Chemistry and Biology, 2010, , 139-184.	0.5	1
97	Evaluation of ribotyping for characterization and identification of Enterococcus haemoperoxidus and Enterococcus moraviensis strains. FEMS Microbiology Letters, 2001, 203, 23-27.	1.8	1
98	96 Staphylococcus aureus in Czech cystic fibrosis patients â€“ prospective study. Journal of Cystic Fibrosis, 2014, 13, S70.	0.7	0
99	Efficient non-enzymatic cleavage of Staphylococcus aureus plasmid DNAs mediated by neodymium ions. Analytical Biochemistry, 2016, 507, 66-70.	2.4	0
100	Future prospects of structural studies to advance our understanding of phage biology. Microbiology Australia, 2019, 40, 42.	0.4	0