James A Scott

List of Publications by Year
in descending order

129 papers	11,593 citations	61857 43 h-index	30010 103 g-index
132 all docs	132 docs citations	132 times ranked	16581 citing authors

#	Article	IF	Citations
1	Towards a unified paradigm for sequenceâ€based identification of fungi. Molecular Ecology, 2013, 22, 5271-5277.	2.0	2,997
2	Gut microbiota of healthy Canadian infants: profiles by mode of delivery and infant diet at 4 months. Cmaj, 2013, 185, 385-394.	0.9	741
3	Fungus-growing ants use antibiotic-producing bacteria to control garden parasites. Nature, 1999, 398, 701-704.	13.7	705
4	Diverse Lifestyles and Strategies of Plant Pathogenesis Encoded in the Genomes of Eighteen Dothideomycetes Fungi. PLoS Pathogens, 2012, 8, e1003037.	2.1	595
5	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. ACS Nano, 2020, 14, 6383-6406.	7.3	455
6	Impact of maternal intrapartum antibiotics, method of birth and breastfeeding on gut microbiota during the first year of life: a prospective cohort study. BJOG: an International Journal of Obstetrics and Gynaecology, 2016, 123, 983-993.	1.1	453
7	Infant gut microbiota and food sensitization: associations in the first year of life. Clinical and Experimental Allergy, 2015, 45, 632-643.	1.4	333
8	Roles of Birth Mode and Infant Gut Microbiota in Intergenerational Transmission of Overweight and Obesity From Mother to Offspring. JAMA Pediatrics, 2018, 172, 368.	3.3	235
9	The New Species Concept in Dermatophytesâ€”a Polyphasic Approach. Mycopathologia, 2008, 166, 239-256.	1.3	223
10	Infant gut microbiota and the hygiene hypothesis of allergic disease: impact of household pets and siblings on microbiota composition and diversity. Allergy, Asthma and Clinical Immunology, 2013, 9, 15.	0.9	219
11	Association of Exposure to Formula in the Hospital and Subsequent Infant Feeding Practices With Gut Microbiota and Risk of Overweight in the First Year of Life. JAMA Pediatrics, 2018, 172, e181161.	3.3	218
12	Acremonium phylogenetic overview and revision of Gliomastix, Sarocladium, and Trichothecium. Studies in Mycology, 2011, 68, 139-162.	4.5	208
13	Exposure to household furry pets influences the gut microbiota of infants at 3â€“4Âmonths following various birth scenarios. Microbiome, 2017, 5, 40.	4.9	197
14	The Canadian Healthy Infant Longitudinal Development (CHILD) Study: examining developmental origins of allergy and asthma: TableÂ1. Thorax, 2015, 70, 998-1000.	2.7	157
15	Exposure and Health Effects of Fungi on Humans. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 396-404.	2.0	157
16	Cercophorins Aâ^'C:â€‰ Novel Antifungal and Cytotoxic Metabolites from the Coprophilous Fungus Cercophora areolata. Journal of Natural Products, 1996, 59, 765-769.	1.5	126
17	Association Between Artificially Sweetened Beverage Consumption During Pregnancy and Infant Body Mass Index. JAMA Pediatrics, 2016, 170, 662.	3.3	126
18	Fecal Short-Chain Fatty Acid Variations by Breastfeeding Status in Infants at 4â€‰Months: Differences in Relative versus Absolute Concentrations. Frontiers in Nutrition, 2017, 4, 11.	1.6	121

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19	Mosquito Microbiome Dynamics, a Background for Prevalence and Seasonality of West Nile Virus. Frontiers in Microbiology, 2017, 8, 526.	1.5	114
20	Modes of Infant Feeding and the Risk of Childhood Asthma: A Prospective Birth Cohort Study. Journal of Pediatrics, 2017, 190, 192-199.e2.	0.9	111
21	Temporal variation in airborne microbial populations and microbially-derived allergens in a tropical urban landscape. Atmospheric Environment, 2013, 74, 291-300.	1.9	109
22	Microbial programming of health and disease starts during fetal life. Birth Defects Research Part C: Embryo Today Reviews, 2015, 105, 265-277.	3.6	100
23	Apiosporamide, a New Antifungal Agent from the Coprophilous Fungus Apiospora montagnei. Journal of Natural Products, 1994, 57, 1696-1702.	1.5	90
24	Choice of primary outcomes in randomised trials and systematic reviews evaluating interventions for preterm birth prevention: a systematic review. BJOG: an International Journal of Obstetrics and Gynaecology, 2014, 121, 1188-1194.	1.1	80
25	Taxonomy of Allergenic Fungi. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 375-385.e1.	2.0	80
26	Bacteroides-dominant gut microbiome of late infancy is associated with enhanced neurodevelopment. Gut Microbes, 2021, 13, 1-17.	4.3	74
27	Behind the mask: Determinants of nurse's adherence to facial protective equipment. American Journal of Infection Control, 2013, 41, 8-13.	1.1	69
28	Cesarean Section, Formula Feeding, and Infant Antibiotic Exposure: Separate and Combined Impacts on Gut Microbial Changes in Later Infancy. Frontiers in Pediatrics, 2017, 5, 200.	0.9	69
29	Genotypic variation inPenicillium chysogenumfrom indoor environments. Mycologia, 2004, 96, 1095-1105.	0.8	64
30	Breastfeeding, maternal asthma and wheezing in the first year of life: aÂlongitudinal birth cohort study. European Respiratory Journal, 2017, 49, 1602019.	3.1	63
31	Terezines A-D: New Amino Acid-Derived Bioactive Metabolites from the Coprophilous Fungus Sporormiella teretispora. Journal of Natural Products, 1995, 58, 93-99.	1.5	62
32	Determination of keratin degradation by fungi using keratin azure. Medical Mycology, 2004, 42, 239-246.	0.3	60
33	Perinatal Exposure to Traffic-Related Air Pollution and Atopy at 1 Year of Age in a Multi-Center Canadian Birth Cohort Study. Environmental Health Perspectives, 2015, 123, 902-908.	2.8	59
34	Endotoxin in concentrated coarse and fine ambient particles induces acute systemic inflammation in controlled human exposures. Occupational and Environmental Medicine, 2013, 70, 761-767.	1.3	58
35	The <scp>C</scp>anadian <scp>H</scp>ealthy <scp>I</scp>nfant <scp>L</scp>ongitudinal <scp>D</scp>evelopment Birth Cohort Study: Biological Samples and Biobanking. Paediatric and Perinatal Epidemiology, 2015, 29, 84-92.	0.8	54
36	Coniochaetones A and B: New antifungal benzopyranones from the coprophilous fungus Coniochaeta saccardoi. Tetrahedron Letters, 1995, 36, 5847-5850.	0.7	52

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37	Associations between bacterial communities of house dust and infant gut. Environmental Research, 2014, 131, 25-30.	3.7	49
38	The Canadian Healthy Infant Longitudinal Development (CHILD) birth cohort study: assessment of environmental exposures. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 580-592.	1.8	49
39	Gut microbiota and allergic disease in children. Annals of Allergy, Asthma and Immunology, 2016, 116, 99-105.	0.5	47
40	In vivo immune signatures of healthy human pregnancy: Inherently inflammatory or anti-inflammatory?. PLoS ONE, 2017, 12, e0177813.	1.1	46
41	Postnatal exposure to household disinfectants, infant gut microbiota and subsequent risk of overweight in children. Cmaj, 2018, 190, E1097-E1107.	0.9	46
42	Effects of Ambient Coarse, Fine, and Ultrafine Particles and Their Biological Constituents on Systemic Biomarkers: A Controlled Human Exposure Study. Environmental Health Perspectives, 2015, 123, 534-540.	2.8	45
43	Asthma and allergy development: contrasting influences of yeasts and other fungal exposures. Clinical and Experimental Allergy, 2015, 45, 154-163.	1.4	45
44	Innate and Adaptive Immune Response to Fungal Products and Allergens. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 386-395.	2.0	43
45	Influence of exposure to coarse, fine and ultrafine urban particulate matter and their biological constituents on neural biomarkers in a randomized controlled crossover study. Environment International, 2017, 101, 89-95.	4.8	43
46	The Ajellomycetaceae, a New Family of Vertebrate-Associated Onygenales. Mycologia, 2004, 96, 812.	0.8	41
47	Epidemiology of asthma: risk factors for development. Expert Review of Clinical Immunology, 2009, 5, 77-95.	1.3	41
48	Infant gut immunity: a preliminary study of IgA associations with breastfeeding. Journal of Developmental Origins of Health and Disease, 2016, 7, 68-72.	0.7	41
49	Anserinones A and B:Â New Antifungal and Antibacterial Benzoquinones from the Coprophilous FungusPodospora anserina. Journal of Natural Products, 1997, 60, 629-631.	1.5	39
50	The Pollution Particulate Concentrator (PoPCon): A platform to investigate the effects of particulate air pollutants on viral infectivity. Science of the Total Environment, 2018, 628-629, 1101-1107.	3.9	39
51	Endotoxin and Î²-1,3- <scp>d</scp> -Glucan in Concentrated Ambient Particles Induce Rapid Increase in Blood Pressure in Controlled Human Exposures. Hypertension, 2015, 66, 509-516.	1.3	37
52	Clinical Evaluation and Management of Patients with Suspected Fungus Sensitivity. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 405-414.	2.0	37
53	Exposure to Beta-(1,3)-D-Glucan in House Dust at Age 7â€“10 Is Associated with Airway Hyperresponsiveness and Atopic Asthma by Age 11â€“14. PLoS ONE, 2014, 9, e98878.	1.1	37
54	Terbinafine Resistant Trichophyton Indotineae Isolated in Patients With Superficial Dermatophyte Infection in Canadian Patients. Journal of Cutaneous Medicine and Surgery, 2022, 26, 371-376.	0.6	36

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55	Baudoinia, a new genus to accommodate Torula compniacensis. Mycologia, 2007, 99, 592-601.	0.8	35
56	Meeting Report: Fungal ITS Workshop (October 2012). Standards in Genomic Sciences, 2013, 8, 118-123.	1.5	34
57	Maternal depressive symptoms linked to reduced fecal Immunoglobulin A concentrations in infants. Brain, Behavior, and Immunity, 2018, 68, 123-131.	2.0	34
58	The Protean Acremonium. A. sclerotigenum/egyptiacum: Revision, Food Contaminant, and Human Disease. Microorganisms, 2018, 6, 88.	1.6	32
59	Petriellin A: A novel antifungal depsipeptide from the coprophilous fungus Petriella sordida. Journal of Organic Chemistry, 1995, 60, 5384-5385.	1.7	31
60	From Birth to Overweight and Atopic Disease: Multiple and Common Pathways of the Infant Gut Microbiome. Gastroenterology, 2021, 160, 128-144.e10.	0.6	31
61	Genotypic Variation in Penicillium chysogenum from Indoor Environments. Mycologia, 2004, 96, 1095.	0.8	30
62	Association of use of cleaning products with respiratory health in a Canadian birth cohort. Cmaj, 2020, 192, E154-E161.	0.9	30
63	Natural environments in the urban context and gut microbiota in infants. Environment International, 2020, 142, 105881.	4.8	30
64	Procedures to Assist Health Care Providers to Determine When Home Assessments for Potential Mold Exposure Are Warranted. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 417-422.e2.	2.0	29
65	Communiols Aâ€“D: new mono- and bis-tetrahydrofuran derivatives from the coprophilous fungus Podospora communis. Tetrahedron Letters, 2004, 45, 6891-6894.	0.7	28
66	High fecal IgA is associated with reduced Clostridium difficile colonization in infants. Microbes and Infection, 2016, 18, 543-549.	1.0	26
67	Waterborne diseases in waste pickers of Estrutural, Brazil, the second largest open-air dumpsite in world. Waste Management, 2019, 99, 71-78.	3.7	26
68	Home Assessment and Remediation. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 423-431.e15.	2.0	25
69	Vector-borne diseases in waste pickers in Brasilia, Brazil. Waste Management, 2020, 105, 223-232.	3.7	25
70	The influence of sampling duration on recovery of culturable fungi using the Andersen N6 and RCS bioaerosol samplers. Indoor Air, 2008, 18, 464-472.	2.0	24
71	Gut microbiota diversity and atopic disease: Does breast-feeding play a role?. Journal of Allergy and Clinical Immunology, 2013, 131, 247-248.	1.5	24
72	Wheeze in infancy: protection associated with yeasts in house dust contrasts with increased risk associated with yeasts in indoor air and other fungal taxa. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 1410-1418.	2.7	24

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73	Baudoinia, a new genus to accommodate Torula compniacensis. Mycologia, 2007, 99, 592-601.	0.8	23
74	Bioaerosols and Transmission, a Diverse and Growing Community of Practice. Frontiers in Public Health, 2019, 7, 23.	1.3	23
75	Early life exposure to phthalates in the Canadian Healthy Infant Longitudinal Development (CHILD) study: a multi-city birth cohort. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 70-85.	1.8	23
76	Clostridioides difficile Colonization Is Differentially Associated With Gut Microbiome Profiles by Infant Feeding Modality at 3â€“4 Months of Age. Frontiers in Immunology, 2019, 10, 2866.	2.2	22
77	Identification and molecular characterization of the phytoplasma associated with a lethal yellowing-type disease of coconut in CÃ´te dâ€™Ivoire. Canadian Journal of Plant Pathology, 2014, 36, 141-150.	0.8	21
78	Early life exposure to phthalates and the development of childhood asthma among Canadian children. Environmental Research, 2021, 197, 110981.	3.7	21
79	Communiols Eâ€™H:â€‰ New Polyketide Metabolites from the Coprophilous Fungus Podospora communis. Journal of Natural Products, 2005, 68, 435-438.	1.5	20
80	Recent Advances in the Microbiology of the Built Environment. Current Sustainable/Renewable Energy Reports, 2014, 1, 35-42.	1.2	20
81	Sex-specific impact of asthma during pregnancy on infant gut microbiota. European Respiratory Journal, 2017, 50, 1700280.	3.1	20
82	Appenolides A-C: Three New Antifungal Furanones from the Coprophilous Fungus Podospora appendiculata. Journal of Natural Products, 1993, 56, 341-344.	1.5	19
83	Influenza virus RNA recovered from droplets and droplet nuclei emitted by adults in an acute care setting. Journal of Occupational and Environmental Hygiene, 2019, 16, 341-348.	0.4	19
84	Polytolypin, a New Antifungal Triterpenoid from the Coprophilous Fungus Polytolypa hystricis. Journal of Natural Products, 1995, 58, 1983-1986.	1.5	18
85	Maternal psychological distress before birth influences gut immunity in midâ€infancy. Clinical and Experimental Allergy, 2020, 50, 178-188.	1.4	18
86	Genotypic variation in Penicillium chysogenum from indoor environments. Mycologia, 2004, 96, 1095-105.	0.8	18
87	Physiological studies of the warehouse staining fungus, Baudoinia compniacensis. Mycological Research, 2007, 111, 1422-1430.	2.5	17
88	A survey ofPenicillium brevicompactumandP.Âbialowiezensefrom indoor environments, with commentary on the taxonomy of theP.ÂbrevicompactumgroupThis paper is one of a selection of papers published in the Special Issue on Systematics Research.. Botany, 2008, 86, 732-741.	0.5	17
89	A geographically diverse set of isolates indicates two phylogenetic lineages withinStachybotrys chartarum. Canadian Journal of Botany, 2003, 81, 633-643.	1.2	16
90	Vitamin D supplementation in pregnancy and early infancy in relation to gut microbiota composition and C. difficile colonization: implications for viral respiratory infections. Gut Microbes, 2020, 12, 1799734.	4.3	16

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91	Ethnicity Associations With Food Sensitization Are Mediated by Gut Microbiota Development in the First Year of Life. Gastroenterology, 2021, 161, 94-106.	0.6	16
92	Trehalose accumulation in Baudoinia compniacensis following abiotic stress. International Biodeterioration and Biodegradation, 2009, 63, 765-768.	1.9	15
93	Prenatal Depression, Breastfeeding, and Infant Gut Microbiota. Frontiers in Microbiology, 2021, 12, 664257.	1.5	15
94	Impact of Maternal Intrapartum Antibiotics, and Caesarean Section with and without Labour on Bifidobacterium and Other Infant Gut Microbiota. Microorganisms, 2021, 9, 1847.	1.6	15
95	Identification and molecular characterization of the phytoplasma associated with peach rosette-like disease at the Canadian Clonal Genebank based on the 16S rRNA gene analysis. Canadian Journal of Plant Pathology, 2011, 33, 127-134.	0.8	14
96	Vapourized hydrogen peroxide decontamination in a hospital setting inactivates SARS-CoV-2 and HCoV-229E without compromising filtration efficiency of unexpired N95 respirators. American Journal of Infection Control, 2021, 49, 1227-1231.	1.1	14
97	Detection and identification of the coconut lethal yellowing phytoplasma in weeds growing in coconut farms in CÃ´te dâ€™Ivoire. Canadian Journal of Plant Pathology, 2016, 38, 164-173.	0.8	13
98	Early Life Exposure to Tris(2-butoxyethyl) Phosphate (TBOEP) Is Related to the Development of Childhood Asthma. Environmental Science and Technology Letters, 2021, 8, 531-537.	3.9	13
99	Western Cold and Flu (WeCoF) aerosol study â€“ preliminary results. BMC Research Notes, 2014, 7, 563.	0.6	11
100	Pulsed ultraviolet light decontamination of virus-laden airstreams. Aerosol Science and Technology, 2017, 51, 554-563.	1.5	11
101	Modeling Clothing as a Vector for Transporting Airborne Particles and Pathogens across Indoor Microenvironments. Environmental Science & Technology, 2022, 56, 5641-5652.	4.6	11
102	Identification ofGraminella nigrifronsas a potential vector for phytoplasmas affectingPrunusandPyrusspecies in Canada. Canadian Journal of Plant Pathology, 2011, 33, 465-474.	0.8	10
103	First Report of â€˜Candidatus Phytoplasma asterisâ€™-Related Strain Associated with Peach Rosette in Canada. Plant Disease, 2010, 94, 916-916.	0.7	10
104	Ethanol physiology in the warehouse-staining fungus, Baudoinia compniacensis. Mycological Research, 2008, 112, 1373-1380.	2.5	9
105	Detection of antibiotic resistance genes associated with methicillin-resistant Staphylococcus aureus (MRSA) and coagulase-negative staphylococci in hospital air filter dust by PCR. Aerobiologia, 2012, 28, 285-289.	0.7	9
106	Evaluation of an optoelectronic mould sensor for use in building health monitoring and in post-remediation performance assessment. Sustainable Cities and Society, 2018, 36, 311-318.	5.1	9
107	Influenza virus emitted by naturally-infected hosts in a healthcare setting. Journal of Clinical Virology, 2015, 73, 105-107.	1.6	8
108	The U.S. Culture Collection Network Lays the Foundation for Progress in Preservation of Valuable Microbial Resources. Phytopathology, 2016, 106, 532-540.	1.1	8

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109	Assessing secondhand and thirdhand tobacco smoke exposure in Canadian infants using questionnaires, biomarkers, and machine learning. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 112-123.	1.8	8
110	Detection of indoor fungi bioaerosols. , 2011, , 353-379.		8
111	A new exposure metric for traffic-related air pollution? An analysis of determinants of hopanes in settled indoor house dust. Environmental Health, 2013, 12, 48.	1.7	6
112	Multilocus dnA sequencing of the whiskey fungus reveals a continental-scale speciation pattern. Persoonia: Molecular Phylogeny and Evolution of Fungi, 2016, 37, 13-20.	1.6	6
113	Presence of Archaea in the Indoor Environment and Their Relationships with Housing Characteristics. Microbial Ecology, 2016, 72, 305-312.	1.4	6
114	The genus Bombardioidea. Canadian Journal of Botany, 1994, 72, 1302-1310.	1.2	5
115	An optoelectronic sensor for the monitoring of mould growth in concealed spaces. Building and Environment, 2012, 49, 9-16.	3.0	5
116	First report of â€˜Candidatus Phytoplasma fraxiniâ€™ (group 16SrVII phytoplasma) associated with a peach disease in Canada. Plant Pathology, 2010, 59, 1162-1162.	1.2	4
117	Occupational endotoxin exposure and a novel luminol-enhanced chemiluminescence assay of nasal lavage neutrophil activation. Journal of Allergy and Clinical Immunology, 2011, 127, 272-275.	1.5	4
118	The Canadian Fungal Research Network: current challenges and future opportunities. Canadian Journal of Microbiology, 2021, 67, 13-22.	0.8	4
119	Assessing the Use of DNA Detection Platforms Combined With Passive Wind-Powered Spore Traps for Early Surveillance of Potato and Tomato Late Blight in Canada. Plant Disease, 2021, , PDIS12202695RE.	0.7	4
120	Childhood body mass index and associations with infant gut metabolites and secretory IgA: findings from a prospective cohort study. International Journal of Obesity, 2022, 46, 1712-1719.	1.6	4
121	Semiselective isolation of the ethanol-imbibing sooty mould Baudoinia of distillery aging warehouses. Canadian Journal of Microbiology, 2008, 54, 331-333.	0.8	3
122	Fulminant hepatic failure following ingestion of wild mushrooms. Cmaj, 2015, 187, 822-824.	0.9	2
123	Conidiogenesis: Its Evolutionary Aspects in the Context of a Philosophy of Opportunity (Lectics). Fungal Biology, 2016, , 169-195.	0.3	2
124	Biology of the Whiskey Fungus. Fungal Biology, 2016, , 413-428.	0.3	1
125	The Relative Role of Early-Life Outdoor & Indoor Fungi in the Home and Wheeze in the First Year of Life. Journal of Allergy and Clinical Immunology, 2011, 127, AB97-AB97.	1.5	0
126	Comparison of Fel d 1 and Fel d 4 levels in house dust samples from the Canadian CHILD birth cohort. Journal of Allergy and Clinical Immunology, 2018, 141, AB7.	1.5	0

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127	Clostridioides Difficile Colonization Is Differentially Associated with Gut Microbiota Composition in Breastfed versus Formula Fed Infants (OR01-02-19). Current Developments in Nutrition, 2019, 3, nzz040.OR01-02-19.	0.1	0
128	Potential Sources of Phthalate Exposure in a Vancouver, BC Birth Cohort at Three Months of Age. Epidemiology, 2009, 20, S72.	1.2	0
129	Revisiting the Protective Value of Barrier Face Coverings After the COVID-19 Pandemic. American Journal of Public Health, 2022, , e1-e4.	1.5	0