

# Adam J Ratner

## List of Publications by Year in descending order

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124  
papers

9,098  
citations

61857

43  
h-index

43802

91  
g-index

127  
all docs

127  
docs citations

127  
times ranked

14043  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisystem Inflammatory Syndrome in U.S. Children and Adolescents. <i>New England Journal of Medicine</i> , 2020, 383, 334-346.	13.9	2,006
2	The Ngal reporter mouse detects the response of the kidney to injury in real time. <i>Nature Medicine</i> , 2011, 17, 216-222.	15.2	359
3	Role of Pore-Forming Toxins in Bacterial Infectious Diseases. <i>Microbiology and Molecular Biology Reviews</i> , 2013, 77, 173-207.	2.9	339
4	Activation of NF-kappaB by adherent <i>Pseudomonas aeruginosa</i> in normal and cystic fibrosis respiratory epithelial cells. <i>Journal of Clinical Investigation</i> , 1998, 101, 2598-2605.	3.9	280
5	Neurologic Involvement in Children and Adolescents Hospitalized in the United States for COVID-19 or Multisystem Inflammatory Syndrome. <i>JAMA Neurology</i> , 2021, 78, 536.	4.5	276
6	Iron traffics in circulation bound to a siderocalin (Ngal)-catechol complex. <i>Nature Chemical Biology</i> , 2010, 6, 602-609.	3.9	270
7	Proton Pump Inhibitors Alter Specific Taxa in the Human Gastrointestinal Microbiome: A Crossover Trial. <i>Gastroenterology</i> , 2015, 149, 883-885.e9.	0.6	268
8	Capsule Enhances Pneumococcal Colonization by Limiting Mucus-Mediated Clearance. <i>Infection and Immunity</i> , 2007, 75, 83-90.	1.0	264
9	Detection of severe acute respiratory syndrome coronavirus 2 in placental and fetal membrane samples. <i>American Journal of Obstetrics &amp; Gynecology</i> MFM, 2020, 2, 100133.	1.3	234
10	Functional and Phylogenetic Characterization of Vaginolysin, the Human-Specific Cytolysin from <i>Gardnerella vaginalis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 3896-3903.	1.0	207
11	The Role of Innate Immune Responses in the Outcome of Interspecies Competition for Colonization of Mucosal Surfaces. <i>PLoS Pathogens</i> , 2005, 1, e1.	2.1	177
12	Antibody-enhanced pneumococcal adherence requires IgA1 protease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4215-4220.	3.3	167
13	Epithelial Cells Are Sensitive Detectors of Bacterial Pore-forming Toxins. <i>Journal of Biological Chemistry</i> , 2006, 281, 12994-12998.	1.6	158
14	Cystic Fibrosis Pathogens Activate Ca <sup>2+</sup> -dependent Mitogen-activated Protein Kinase Signaling Pathways in Airway Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 19267-19275.	1.6	155
15	<i>Pseudomonas aeruginosa</i> Induction of Apoptosis in Respiratory Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000, 23, 304-312.	1.4	136
16	The NanA Neuraminidase of <i>Streptococcus pneumoniae</i> Is Involved in Biofilm Formation. <i>Infection and Immunity</i> , 2009, 77, 3722-3730.	1.0	132
17	Synergistic proinflammatory responses induced by polymicrobial colonization of epithelial surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3429-3434.	3.3	130
18	Multicenter Initial Guidance on Use of Antivirals for Children With Coronavirus Disease 2019/Severe Acute Respiratory Syndrome Coronavirus 2. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2020, 9, 701-715.	0.6	130

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19	Streptococcus pneumoniae DNA Initiates Type I Interferon Signaling in the Respiratory Tract. MBio, 2011, 2, e00016-11.	1.8	128
20	“Intercalated cells defend the urinary system from bacterial infection. Journal of Clinical Investigation, 2014, 124, 2963-2976.	3.9	127
21	Inerolysin, a Cholesterol-Dependent Cytolysin Produced by <i>Lactobacillus iners</i> . Journal of Bacteriology, 2011, 193, 1034-1041.	1.0	115
22	Emergence of the Epidemic Methicillin-Resistant Staphylococcus aureus Strain USA300 Coincides with Horizontal Transfer of the Arginine Catabolic Mobile Element and <i>speG</i> -mediated Adaptations for Survival on Skin. MBio, 2013, 4, e00889-13.	1.8	108
23	Group B Streptococcus $\hat{\alpha}$ -hemolysin/Cytolysin Breaches Maternal-Fetal Barriers to Cause Preterm Birth and Intrauterine Fetal Demise in Vivo. Journal of Infectious Diseases, 2014, 210, 265-273.	1.9	104
24	Pregnancy-specific association of vitamin D deficiency and bacterial vaginosis. American Journal of Obstetrics and Gynecology, 2011, 204, 41.e1-41.e9.	0.7	100
25	Murine nasal septa for respiratory epithelial air-liquid interface cultures. BioTechniques, 2007, 43, 195-204.	0.8	97
26	Emergence of Vaccine-Related Pneumococcal Serotypes as a Cause of Bacteremia. Clinical Infectious Diseases, 2006, 42, 907-914.	2.9	92
27	Cigarette Smoke Increases Staphylococcus aureus Biofilm Formation via Oxidative Stress. Infection and Immunity, 2012, 80, 3804-3811.	1.0	92
28	Multicenter Interim Guidance on Use of Antivirals for Children With Coronavirus Disease 2019/Severe Acute Respiratory Syndrome Coronavirus 2. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 34-48.	0.6	85
29	Lactobacillus crispatus Dominant Vaginal Microbiome Is Associated with Inhibitory Activity of Female Genital Tract Secretions against Escherichia coli. PLoS ONE, 2014, 9, e96659.	1.1	84
30	Inhibition of NADPH oxidase 2 (NOX2) prevents sepsis-induced cardiomyopathy by improving calcium handling and mitochondrial function. JCI Insight, 2017, 2, .	2.3	83
31	Nod1 mediates cytoplasmic sensing of combinations of extracellular bacteria. Cellular Microbiology, 2007, 9, 1343-1351.	1.1	80
32	DNase Inhibits Gardnerella vaginalis Biofilms In Vitro and In Vivo. Journal of Infectious Diseases, 2013, 207, 1491-1497.	1.9	79
33	Nod1 Signaling Overcomes Resistance of S. pneumoniae to Opsonophagocytic Killing. PLoS Pathogens, 2007, 3, e118.	2.1	72
34	Microbiota of the upper and lower genital tract. Seminars in Fetal and Neonatal Medicine, 2012, 17, 51-57.	1.1	67
35	Group B Streptococcus vaccine development: present status and future considerations, with emphasis on perspectives for low and middle income countries. F1000Research, 2016, 5, 2355.	0.8	64
36	Cigarette Smoke Inhibits Airway Epithelial Cell Innate Immune Responses to Bacteria. Infection and Immunity, 2010, 78, 2146-2152.	1.0	63

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37	Mucocutaneous Manifestations of Multisystem Inflammatory Syndrome in Children During the COVID-19 Pandemic. <i>JAMA Dermatology</i> , 2021, 157, 207.	2.0	61
38	Varicella-related hospitalizations in the vaccine era. <i>Pediatric Infectious Disease Journal</i> , 2002, 21, 927-930.	1.1	58
39	Group B Streptococcus and the Vaginal Microbiota. <i>Journal of Infectious Diseases</i> , 2017, 216, 744-751.	1.9	58
40	Initial Guidance on Use of Monoclonal Antibody Therapy for Treatment of Coronavirus Disease 2019 in Children and Adolescents. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, 629-634.	0.6	55
41	Human $\alpha$ -Defensins Inhibit Hemolysis Mediated by Cholesterol-Dependent Cytolysins. <i>Infection and Immunity</i> , 2009, 77, 4028-4040.	1.0	54
42	Decline in Varicella-Related Ambulatory Visits and Hospitalizations in the United States Since Routine Immunization Against Varicella. <i>Pediatric Infectious Disease Journal</i> , 2010, 29, 199-204.	1.1	54
43	Hyperglycemic Conditions Prime Cells for RIP1-dependent Necroptosis. <i>Journal of Biological Chemistry</i> , 2016, 291, 13753-13761.	1.6	53
44	Vaccinating Children against Covid-19 – The Lessons of Measles. <i>New England Journal of Medicine</i> , 2021, 384, 589-591.	13.9	53
45	Human-Specific Bacterial Pore-Forming Toxins Induce Programmed Necrosis in Erythrocytes. <i>MBio</i> , 2014, 5, e01251-14.	1.8	46
46	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection in Febrile Infants Without Respiratory Distress. <i>Clinical Infectious Diseases</i> , 2020, 71, 2243-2245.	2.9	44
47	Impact of Maternal Severe Acute Respiratory Syndrome Coronavirus 2 Detection on Breastfeeding Due to Infant Separation at Birth. <i>Journal of Pediatrics</i> , 2020, 226, 64-70.	0.9	43
48	The essential genome of <i>Streptococcus agalactiae</i> . <i>BMC Genomics</i> , 2016, 17, 406.	1.2	41
49	New Systems for Studying Intercellular Interactions in Bacterial Vaginosis. <i>Journal of Infectious Diseases</i> , 2016, 214, S6-S13.	1.9	41
50	Phosphatase-Dependent Regulation of Epithelial Mitogen-Activated Protein Kinase Responses to Toxin-Induced Membrane Pores. <i>PLoS ONE</i> , 2009, 4, e8076.	1.1	39
51	Characteristics of Hospitalized Children With SARS-CoV-2 in the New York City Metropolitan Area. <i>Hospital Pediatrics</i> , 2021, 11, 71-78.	0.6	38
52	Hospital-acquired viral pathogens in the neonatal intensive care unit. <i>Seminars in Perinatology</i> , 2002, 26, 346-356.	1.1	35
53	Trends in Invasive Pneumococcal Disease – Associated Hospitalizations. <i>Clinical Infectious Diseases</i> , 2006, 42, e1-5.	2.9	34
54	Structural Basis for Receptor Recognition by the Human CD59-Responsive Cholesterol-Dependent Cytolysins. <i>Structure</i> , 2016, 24, 1488-1498.	1.6	34

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55	Retrocyclin inhibits <i>Gardnerella vaginalis</i> biofilm formation and toxin activity. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2870-2872.	1.3	32
56	<i>Gardnerella</i> and <i>Prevotella</i> : Co-conspirators in the Pathogenesis of Bacterial Vaginosis. <i>Journal of Infectious Diseases</i> , 2019, 220, 1085-1088.	1.9	32
57	The <i>Streptococcus agalactiae</i> Stringent Response Enhances Virulence and Persistence in Human Blood. <i>Infection and Immunity</i> , 2018, 86, .	1.0	31
58	Host- <i>bacterial</i> interactions in the initiation of inflammation. <i>Paediatric Respiratory Reviews</i> , 2001, 2, 245-252.	1.2	30
59	Interleukin-8 Secretion in Response to Aferric Enterobactin Is Potentiated by Siderocalin. <i>Infection and Immunity</i> , 2007, 75, 3160-3168.	1.0	30
60	Vaginolysin Drives Epithelial Ultrastructural Responses to <i>Gardnerella vaginalis</i> . <i>Infection and Immunity</i> , 2013, 81, 4544-4550.	1.0	30
61	Lactoperoxidase. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000, 22, 642-644.	1.4	29
62	Cat Scratch Disease Presenting as Orbital Abscess and Osteomyelitis. <i>Journal of Clinical Microbiology</i> , 2003, 41, 3991-3993.	1.8	29
63	Decidual stromal cell-derived <i>scp</i> PGE <sub>2</sub> regulates macrophage responses to microbial threat. <i>American Journal of Reproductive Immunology</i> , 2018, 80, e13032.	1.2	29
64	Group B Streptococcal Infections. <i>Pediatrics in Review</i> , 2017, 38, 254-262.	0.2	28
65	Antibody-Based Detection and Inhibition of Vaginolysin, the <i>Gardnerella vaginalis</i> Cytolysin. <i>PLoS ONE</i> , 2009, 4, e5207.	1.1	27
66	Crystal structures of respiratory pathogen neuraminidases. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 467-471.	1.0	27
67	<i>Klebsiella pneumoniae</i> K1 Liver Abscess and Septic Endophthalmitis in a U.S. Resident. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1049-1051.	1.8	27
68	Trends in Methicillin-Resistant <i>Staphylococcus aureus</i> Anovaginal Colonization in Pregnant Women in 2005 versus 2009. <i>Journal of Clinical Microbiology</i> , 2010, 48, 3675-3680.	1.8	26
69	Î <sup>2</sup> -Hemolysin/Cytolysin of Group B <i>Streptococcus</i> Enhances Host Inflammation but Is Dispensable for Establishment of Urinary Tract Infection. <i>PLoS ONE</i> , 2013, 8, e59091.	1.1	26
70	Mucosal vaccination promotes clearance of <i>Streptococcus agalactiae</i> vaginal colonization. <i>Vaccine</i> , 2017, 35, 1273-1280.	1.7	24
71	Multisystem inflammatory syndrome in children. <i>Current Opinion in Pediatrics</i> , 2021, 33, 152-158.	1.0	24
72	Predictors of <i>Staphylococcus aureus</i> Rectovaginal Colonization in Pregnant Women and Risk for Maternal and Neonatal Infections. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2012, 1, 7-15.	0.6	23

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73	Updated Guidance on Use and Prioritization of Monoclonal Antibody Therapy for Treatment of COVID-19 in Adolescents. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2022, 11, 177-185.	0.6	23
74	Complete Genome Sequence of <i>Streptococcus agalactiae</i> CNCTC 10/84, a Hypervirulent Sequence Type 26 Strain. <i>Genome Announcements</i> , 2014, 2, .	0.8	22
75	Nosocomial Rotavirus in a Pediatric Hospital. <i>Infection Control and Hospital Epidemiology</i> , 2001, 22, 299-301.	1.0	21
76	Arcanolysin is a cholesterol-dependent cytolysin of the human pathogen <i>Arcanobacterium haemolyticum</i> . <i>BMC Microbiology</i> , 2011, 11, 239.	1.3	21
77	Real-time PCR-based serotyping of <i>Streptococcus agalactiae</i> . <i>Scientific Reports</i> , 2016, 6, 38523.	1.6	20
78	Higher Levels of a Cytotoxic Protein, Vaginolysin, in <i>Lactobacillus</i> -Deficient Community State Types at the Vaginal Mucosa. <i>Sexually Transmitted Diseases</i> , 2018, 45, e14-e17.	0.8	20
79	High prevalence of Group B <i>Streptococcus</i> colonization among pregnant women in Amman, Jordan. <i>BMC Pregnancy and Childbirth</i> , 2019, 19, 177.	0.9	20
80	Epidemiology of Methicillin-Resistant <i>Staphylococcus aureus</i> Bacteremia in Gaborone, Botswana. <i>Infection Control and Hospital Epidemiology</i> , 2009, 30, 782-785.	1.0	19
81	Cigarette Smoke Extract Exposed Methicillin-Resistant <i>Staphylococcus aureus</i> Regulates Leukocyte Function for Pulmonary Persistence. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 586-601.	1.4	19
82	Acute Respiratory Decompensation Requiring Intubation in Pregnant Women with SARS-CoV-2 (COVID-19). <i>AJP Reports</i> , 2020, 10, e169-e175.	0.4	16
83	SARS-CoV-2 Among Infants <90 Days of Age Admitted for Serious Bacterial Infection Evaluation. <i>Pediatrics</i> , 2021, 148, .	1.0	16
84	PLESIOMONAS SHIGELLOIDES SEPSIS AND SPLENIC ABSCESS IN AN ADOLESCENT WITH SICKLE-CELL DISEASE. <i>Pediatric Infectious Disease Journal</i> , 2001, 20, 1178-1179.	1.1	16
85	A Counterselectable Sucrose Sensitivity Marker Permits Efficient and Flexible Mutagenesis in <i>Streptococcus agalactiae</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	15
86	Multisystem Inflammatory Syndrome in Children Associated with Status Epilepticus. <i>Journal of Pediatrics</i> , 2020, 227, 300-301.	0.9	15
87	Vaginal co-colonization with multiple Group B <i>Streptococcus</i> serotypes. <i>Vaccine</i> , 2019, 37, 409-411.	1.7	14
88	<i>Bordetella holmesii</i> : initial genomic analysis of an emerging opportunist. <i>Pathogens and Disease</i> , 2013, 67, 132-135.	0.8	11
89	Genome-Wide fitness analysis of group B <i>Streptococcus</i> in human amniotic fluid reveals a transcription factor that controls multiple virulence traits. <i>PLoS Pathogens</i> , 2021, 17, e1009116.	2.1	11
90	Vaginal seeding after a caesarean section provides benefits to newborn children. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020, 127, 302-302.	1.1	10

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91	Congenital Parvovirus B19 Infection: Persistent Viremia and Red Blood Cell Aplasia. Open Forum Infectious Diseases, 2015, 2, ofv049.	0.4	9
92	Rational Manipulation of mRNA Folding Free Energy Allows Rheostat Control of Pneumolysin Production by Streptococcus pneumoniae. PLoS ONE, 2015, 10, e0119823.	1.1	9
93	Storage Primes Erythrocytes for Necroptosis and Clearance. Cellular Physiology and Biochemistry, 2019, 53, 496-507.	1.1	9
94	Improving the Sensitivity of Real-time PCR Detection of Group B Streptococcus Using Consensus Sequence-Derived Oligonucleotides. Open Forum Infectious Diseases, 2018, 5, ofy164.	0.4	8
95	Distribution of Late-Onset Neonatal Sepsis Pathogens Differs in Inpatient and Outpatient Settings. American Journal of Perinatology, 2019, 36, 1136-1141.	0.6	8
96	Importance of Pediatric Inclusion in COVID-19 Therapeutic Trials. Clinical Infectious Diseases, 2020, 71, 3248-3249.	2.9	8
97	The Impact of Circulating Antibody on Group B <i>Streptococcus</i> Intestinal Colonization and Invasive Disease. Infection and Immunity, 2020, 89, .	1.0	7
98	High Rate of Serotype V Streptococcus agalactiae Carriage in Pregnant Women in Botswana. American Journal of Tropical Medicine and Hygiene, 2019, 100, 1115-1117.	0.6	7
99	Environmental pH modulates inerolysin activity via post-binding blockade. Scientific Reports, 2018, 8, 1542.	1.6	6
100	Genome Sequence of the Human Abscess Isolate Streptococcus intermedius BA1. Genome Announcements, 2013, 1, .	0.8	5
101	VARICELLA-RELATED HOSPITALIZATIONS: AN UPDATE. Pediatric Infectious Disease Journal, 2004, 23, 377.	1.1	4
102	Scalp Lesions in a Pediatric Patient with Hyper IgM Syndrome: Clinical and Histologic Mimicry of Cryptococcus neoformans Infection. Journal of Pediatrics, 2018, 192, 256-258.	0.9	4
103	“Intercalated cells defend the urinary system from bacterial infection. Journal of Clinical Investigation, 2014, 124, 5521-5521.	3.9	4
104	Group B <i>Streptococcus</i> Capsular Serotype Alters Vaginal Colonization Fitness. Journal of Infectious Diseases, 2022, 225, 1896-1904.	1.9	4
105	Genome-Wide CRISPR-Cas9 Screen Does Not Identify Host Factors Modulating Streptococcus agalactiae $\beta$ -Hemolysin/Cytolysin-Induced Cell Death. Microbiology Spectrum, 2022, 10, e0218621.	1.2	4
106	Pregnant women’s attitudes about topical microbicides for the prevention and treatment of bacterial vaginosis during pregnancy. International Journal of STD and AIDS, 2017, 28, 881-886.	0.5	3
107	Authors' reply re: “Vaginal seeding” after a caesarean section provides benefits to newborn children: AGAINST: Vaginal microbiome transfer “ a medical procedure with clear risks and uncertain benefits. BJOG: an International Journal of Obstetrics and Gynaecology, 2020, 127, 906-907.	1.1	3
108	Case Report: Group B Streptococcus meningitis in an adolescent. F1000Research, 2014, 3, 167.	0.8	3

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109	Enhanced Postnatal Acquisition of Hypervirulent Group B Streptococcus. <i>Clinical Infectious Diseases</i> , 2019, 69, 1749-1751.	2.9	2
110	Attitudes towards microbicide use for bacterial vaginosis in pregnancy. <i>Sexual Health</i> , 2014, 11, 305.	0.4	2
111	Clinical Guideline Highlights for the Hospitalist: Diagnosis and Management of Measles. <i>Journal of Hospital Medicine</i> , 2020, 15, 47-48.	0.7	2
112	Poor Uptake of MMR Vaccine 1-year Post-Measles Outbreak: New York City and Israel. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2022, 11, 322-328.	0.6	2
113	Pneumonia before antibiotics Therapeutic evolution and evaluation in twentieth-century America. <i>Journal of Clinical Investigation</i> , 2006, 116, 2311-2311.	3.9	1
114	S.Â aureus Toxins Join the DARC Side. <i>Cell Host and Microbe</i> , 2015, 18, 272-274.	5.1	1
115	Competitive and Cooperative Interactions in the Respiratory Microflora. , 0, , 87-95.		1
116	Neonatal Herpes Infection Associated With Direct Orogenital Suction During Ritual Jewish Circumcision. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2015, 4, 283-284.	0.6	0
117	Whole-Genome Sequences of Bacteremia Isolates of <i>Bordetella holmesii</i> . <i>Genome Announcements</i> , 2017, 5, .	0.8	0
118	Pathophysiology of Chorioamnionitis. , 2017, , 1737-1744.e3.		0
119	1609. Using a Novel Rapid Test to Investigate a Multistate Outbreak of <i>Coccidioidomycosis</i> Among US Residents Returning From Mission Trips in Baja California, Mexico, Juneâ€July, 2018. <i>Open Forum Infectious Diseases</i> , 2019, 6, S587-S588.	0.4	0
120	Winter is coming: care of the febrile children in the time of COVID-19. <i>World Journal of Pediatrics</i> , 2021, 17, 6-7.	0.8	0
121	<i>Pseudomonas aeruginosa</i> Interactions with Epithelial Cells: Adherence, Invasion and Apoptosis â™   896. <i>Pediatric Research</i> , 1998, 43, 155-155.	1.1	0
122	Group B streptococcal transmission rates as determined by PCR. <i>Journal of Perinatal Medicine</i> , 2020, 48, 509-513.	0.6	0
123	Maternal and Infant Mortality in Physiciansâ€™ Families in 1922. <i>Pediatrics</i> , 2022, 149, .	1.0	0
124	â€œThe Sombre Aspect of the Entire Landscapeâ€” Epidemiology and the Faroe Islands. <i>New England Journal of Medicine</i> , 2022, 386, 1202-1205.	13.9	0