

Susanna J Dunachie

List of Publications by Year in descending order

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117
papers

35,036
citations

34105
52
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24258
110
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148
all docs

148
docs citations

148
times ranked

40058
citing authors

#	ARTICLE	IF	CITATIONS
1	Global burden of 369 diseases and injuries in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet, The, 2020, 396, 1204-1222.	13.7	7,664
2	Global burden of bacterial antimicrobial resistance in 2019: a systematic analysis. Lancet, The, 2022, 399, 629-655.	13.7	4,915
3	Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK. Lancet, The, 2021, 397, 99-111.	13.7	3,887
4	Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial. Lancet, The, 2020, 396, 467-478.	13.7	2,080
5	Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young and old adults (COV002): a single-blind, randomised, controlled, phase 2/3 trial. Lancet, The, 2020, 396, 1979-1993.	13.7	1,196
6	Broad and strong memory CD4+ and CD8+ T cells induced by SARS-CoV-2 in UK convalescent individuals following COVID-19. Nature Immunology, 2020, 21, 1336-1345.	14.5	1,066
7	Single-dose administration and the influence of the timing of the booster dose on immunogenicity and efficacy of ChAdOx1 nCoV-19 (AZD1222) vaccine: a pooled analysis of four randomised trials. Lancet, The, 2021, 397, 881-891.	13.7	979
8	Evidence of escape of SARS-CoV-2 variant B.1.351 from natural and vaccine-induced sera. Cell, 2021, 184, 2348-2361.e6.	28.9	936
9	SARS-CoV-2 Omicron-B.1.1.529 leads to widespread escape from neutralizing antibody responses. Cell, 2022, 185, 467-484.e15.	28.9	788
10	Drug-resistant enteric fever worldwide, 1990 to 2018: a systematic review and meta-analysis. BMC Medicine, 2020, 18, 1.	5.5	660
11	COVID-19 vaccine coverage in health-care workers in England and effectiveness of BNT162b2 mRNA vaccine against infection (SIREN): a prospective, multicentre, cohort study. Lancet, The, 2021, 397, 1725-1735.	13.7	658
12	Reduced neutralization of SARS-CoV-2 B.1.617 by vaccine and convalescent serum. Cell, 2021, 184, 4220-4236.e13.	28.9	630
13	SARS-CoV-2 infection rates of antibody-positive compared with antibody-negative health-care workers in England: a large, multicentre, prospective cohort study (SIREN). Lancet, The, 2021, 397, 1459-1469.	13.7	557
14	Enhanced T-cell immunogenicity of plasmid DNA vaccines boosted by recombinant modified vaccinia virus Ankara in humans. Nature Medicine, 2003, 9, 729-735.	30.7	536
15	Antibody escape of SARS-CoV-2 Omicron BA.4 and BA.5 from vaccine and BA.1 serum. Cell, 2022, 185, 2422-2433.e13.	28.9	532
16	Antibody evasion by the P.1 strain of SARS-CoV-2. Cell, 2021, 184, 2939-2954.e9.	28.9	519
17	Reduced neutralization of SARS-CoV-2 B.1.1.7 variant by convalescent and vaccine sera. Cell, 2021, 184, 2201-2211.e7.	28.9	442
18	SARS-CoV-2 Omicron is an immune escape variant with an altered cell entry pathway. Nature Microbiology, 2022, 7, 1161-1179.	13.3	352

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19	The global burden of non-typhoidal salmonella invasive disease: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 1312-1324.	9.1	338
20	Performance characteristics of five immunoassays for SARS-CoV-2: a head-to-head benchmark comparison. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1390-1400.	9.1	336
21	Upregulation of TGF- β 2, FOXP3, and CD4+CD25+ Regulatory T Cells Correlates with More Rapid Parasite Growth in Human Malaria Infection. <i>Immunity</i> , 2005, 23, 287-296.	14.3	328
22	Global antibiotic consumption and usage in humans, 2000â€“18: a spatial modelling study. <i>Lancet Planetary Health</i> , The, 2021, 5, e893-e904.	11.4	284
23	Effects of Homocysteine-Lowering With Folic Acid Plus Vitamin B ₁₂ vs Placebo on Mortality and Major Morbidity in Myocardial Infarction Survivors. <i>JAMA - Journal of the American Medical Association</i> , 2010, 303, 2486.	7.4	283
24	Immunogenicity of standard and extended dosing intervals of BNT162b2 mRNA vaccine. <i>Cell</i> , 2021, 184, 5699-5714.e11.	28.9	262
25	Enhanced T cell-mediated protection against malaria in human challenges by using the recombinant poxviruses FP9 and modified vaccinia virus Ankara. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4836-4841.	7.1	228
26	Safety and immunogenicity of the ChAdOx1 nCoV-19 (AZD1222) vaccine against SARS-CoV-2 in HIV infection: a single-arm substudy of a phase 2/3 clinical trial. <i>Lancet HIV</i> , the, 2021, 8, e474-e485.	4.7	190
27	A blood atlas of COVID-19 defines hallmarks of disease severity and specificity. <i>Cell</i> , 2022, 185, 916-938.e58.	28.9	164
28	A DNA Prime-Modified Vaccinia Virus Ankara Boost Vaccine Encoding Thrombospondin-Related Adhesion Protein but Not Circumsporozoite Protein Partially Protects Healthy Malaria-Naïve Adults against Plasmodium falciparum Sporozoite Challenge. <i>Infection and Immunity</i> , 2006, 74, 5933-5942.	2.2	154
29	Calculation of Liverâ€™s Blood Inocula, Parasite Growth Rates, and Preerythrocytic Vaccine Efficacy, from Serial Quantitative Polymerase Chain Reaction Studies of Volunteers Challenged with Malaria Sporozoites. <i>Journal of Infectious Diseases</i> , 2005, 191, 619-626.	4.0	152
30	Two doses of SARS-CoV-2 vaccination induce robust immune responses to emerging SARS-CoV-2 variants of concern. <i>Nature Communications</i> , 2021, 12, 5061.	12.8	150
31	Differential Immunogenicity of Various Heterologous Prime-Boost Vaccine Regimens Using DNA and Viral Vectors in Healthy Volunteers. <i>Journal of Immunology</i> , 2005, 174, 449-455.	0.8	143
32	T-cell and antibody responses to first BNT162b2 vaccine dose in previously infected and SARS-CoV-2-naïve UK health-care workers: a multicentre prospective cohort study. <i>Lancet Microbe</i> , The, 2022, 3, e21-e31.	7.3	131
33	Durable Human Memory T Cells Quantifiable by Cultured Enzyme-Linked Immunospot Assays Are Induced by Heterologous Prime Boost Immunization and Correlate with Protection against Malaria. <i>Journal of Immunology</i> , 2005, 175, 5675-5680.	0.8	123
34	The double burden of diabetes and global infection in low and middle-income countries. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2019, 113, 56-64.	1.8	105
35	Potent cross-reactive antibodies following Omicron breakthrough in vaccinees. <i>Cell</i> , 2022, 185, 2116-2131.e18.	28.9	105
36	Performance of C-reactive protein and procalcitonin to distinguish viral from bacterial and malarial causes of fever in Southeast Asia. <i>BMC Infectious Diseases</i> , 2015, 15, 511.	2.9	103

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37	T cell assays differentiate clinical and subclinical SARS-CoV-2 infections from cross-reactive antiviral responses. <i>Nature Communications</i> , 2021, 12, 2055.	12.8	102
38	Evidence of Blood Stage Efficacy with a Virosomal Malaria Vaccine in a Phase IIa Clinical Trial. <i>PLoS ONE</i> , 2008, 3, e1493.	2.5	99
39	QUANTITATIVE REAL-TIME POLYMERASE CHAIN REACTION FOR MALARIA DIAGNOSIS AND ITS USE IN MALARIA VACCINE CLINICAL TRIALS. <i>American Journal of Tropical Medicine and Hygiene</i> , 2005, 73, 191-198.	1.4	96
40	Prime-boost strategies for malaria vaccine development. <i>Journal of Experimental Biology</i> , 2003, 206, 3771-3779.	1.7	89
41	The association between temperature, rainfall and humidity with common climate-sensitive infectious diseases in Bangladesh. <i>PLoS ONE</i> , 2018, 13, e0199579.	2.5	89
42	A clinical trial of prime-boost immunisation with the candidate malaria vaccines RTS,S/AS02A and MVA-CS. <i>Vaccine</i> , 2006, 24, 2850-2859.	3.8	86
43	Pandemics, pathogenicity and changing molecular epidemiology of cholera in the era of global warming. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2017, 16, 10.	3.8	86
44	Safety, immunogenicity and efficacy of a pre-erythrocytic malaria candidate vaccine, ICC-1132 formulated in Seppic ISA 720. <i>Vaccine</i> , 2005, 23, 857-864.	3.8	72
45	Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000–17: analysis for the Global Burden of Disease Study 2017. <i>Lancet</i> , The, 2020, 395, 1779-1801.	13.7	72
46	Mapping routine measles vaccination in low- and middle-income countries. <i>Nature</i> , 2021, 589, 415-419.	27.8	71
47	Quantitative real-time polymerase chain reaction for malaria diagnosis and its use in malaria vaccine clinical trials. <i>American Journal of Tropical Medicine and Hygiene</i> , 2005, 73, 191-8.	1.4	71
48	T-Cell Responses Are Associated with Survival in Acute Melioidosis Patients. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004152.	3.0	69
49	Improving the estimation of the global burden of antimicrobial resistant infections. <i>Lancet Infectious Diseases</i> , The, 2019, 19, e392-e398.	9.1	68
50	Safety, Immunogenicity, and Efficacy of Prime-Boost Immunization with Recombinant Poxvirus FP9 and Modified Vaccinia Virus Ankara Encoding the Full-Length Plasmodium falciparum Circumsporozoite Protein. <i>Infection and Immunity</i> , 2006, 74, 2706-2716.	2.2	62
51	Statin Cost-Effectiveness in the United States for People at Different Vascular Risk Levels. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2009, 2, 65-72.	2.2	59
52	Melioidosis in Thailand: Present and Future. <i>Tropical Medicine and Infectious Disease</i> , 2018, 3, 38.	2.3	58
53	Consensus on the Development of Vaccines against Naturally Acquired Melioidosis. <i>Emerging Infectious Diseases</i> , 2015, 21, .	4.3	57
54	The impact of viral mutations on recognition by SARS-CoV-2 specific T cells. <i>IScience</i> , 2021, 24, 103353.	4.1	57

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55	Host Responses to Melioidosis and Tuberculosis Are Both Dominated by Interferon-Mediated Signaling. <i>PLoS ONE</i> , 2013, 8, e54961.	2.5	55
56	Microbiology Investigation Criteria for Reporting Objectively (MICRO): a framework for the reporting and interpretation of clinical microbiology data. <i>BMC Medicine</i> , 2019, 17, 70.	5.5	55
57	A haemagglutination test for rapid detection of antibodies to SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 1951.	12.8	54
58	Comparison of Modeling Methods to Determine Liver-to-blood Inocula and Parasite Multiplication Rates During Controlled Human Malaria Infection. <i>Journal of Infectious Diseases</i> , 2013, 208, 340-345.	4.0	53
59	Hepcidin-Mediated Hypoferremia Disrupts Immune Responses to Vaccination and Infection. <i>Med</i> , 2021, 2, 164-179.e12.	4.4	53
60	Examining the Immunological Effects of COVID-19 Vaccination in Patients with Conditions Potentially Leading to Diminished Immune Response Capacity – The OCTAVE Trial. <i>SSRN Electronic Journal</i> , 0, , .	0.4	51
61	Effects of antibiotic resistance, drug target attainment, bacterial pathogenicity and virulence, and antibiotic access and affordability on outcomes in neonatal sepsis: an international microbiology and drug evaluation prospective substudy (BARNARDS). <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1677-1688.	9.1	50
62	Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. <i>Nature Medicine</i> , 2020, 26, 750-759.	30.7	47
63	Comparison of O-polysaccharide and hemolysin co-regulated protein as target antigens for serodiagnosis of melioidosis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005499.	3.0	46
64	Association between convalescent plasma treatment and mortality in COVID-19: a collaborative systematic review and meta-analysis of randomized clinical trials. <i>BMC Infectious Diseases</i> , 2021, 21, 1170.	2.9	46
65	The challenges of estimating the human global burden of disease of antimicrobial resistant bacteria. <i>Current Opinion in Microbiology</i> , 2020, 57, 95-101.	5.1	45
66	T Cell Immunity to the Alkyl Hydroperoxide Reductase of <i>Burkholderia pseudomallei</i> : A Correlate of Disease Outcome in Acute Melioidosis. <i>Journal of Immunology</i> , 2015, 194, 4814-4824.	0.8	44
67	Characterization of the Specificity, Functionality, and Durability of Host T-Cell Responses Against the Full-Length Hepatitis E Virus. <i>Hepatology</i> , 2016, 64, 1934-1950.	7.3	42
68	Acquisition and Longevity of Antibodies to Plasmodium vivax Preerythrocytic Antigens in Western Thailand. <i>Vaccine Journal</i> , 2016, 23, 117-124.	3.1	42
69	Infection with <i>Burkholderia pseudomallei</i> – immune correlates of survival in acute melioidosis. <i>Scientific Reports</i> , 2017, 7, 12143.	3.3	42
70	Diabetes alters immune response patterns to acute melioidosis in humans. <i>European Journal of Immunology</i> , 2019, 49, 1092-1106.	2.9	39
71	Identification of immune correlates of fatal outcomes in critically ill COVID-19 patients. <i>PLoS Pathogens</i> , 2021, 17, e1009804.	4.7	39
72	Transcriptional changes induced by candidate malaria vaccines and correlation with protection against malaria in a human challenge model. <i>Vaccine</i> , 2015, 33, 5321-5331.	3.8	35

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73	Human MAIT cells show metabolic quiescence with rapid glucoseâ€dependent upregulation of granzyme B upon stimulation. <i>Immunology and Cell Biology</i> , 2018, 96, 666-674.	2.3	34
74	Antibodies in Melioidosis: The Role of the Indirect Hemagglutination Assay in Evaluating Patients and Exposed Populations. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1378-1385.	1.4	33
75	Rapid and Sensitive Multiplex Detection of <i>Burkholderia pseudomallei</i> -Specific Antibodies in Melioidosis Patients Based on a Protein Microarray Approach. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004847.	3.0	30
76	MIG (CXCL9) is a more sensitive measure than IFN- γ of vaccine induced T-cell responses in volunteers receiving investigated malaria vaccines. <i>Journal of Immunological Methods</i> , 2009, 340, 33-41.	1.4	26
77	Durability of ChAdOx1 nCoV-19 vaccination in people living with HIV. <i>JCI Insight</i> , 2022, 7, .	5.0	26
78	Fatal COVID-19 outcomes are associated with an antibody response targeting epitopes shared with endemic coronaviruses. <i>JCI Insight</i> , 2022, 7, .	5.0	24
79	Boosting BCG vaccination with MVA85A down-regulates the immunoregulatory cytokine TGF- β 1. <i>Vaccine</i> , 2008, 26, 5269-5275.	3.8	23
80	Immune response to recombinant <i>Burkholderia pseudomallei</i> FliC. <i>PLoS ONE</i> , 2018, 13, e0198906.	2.5	23
81	Snake bites in Kenya: a preliminary survey of four areas. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1997, 91, 319-321.	1.8	22
82	Early Gamma Interferon and Interleukin-2 Responses to Vaccination Predict the Late Resting Memory in Malaria-Naïve and Malaria-Exposed Individuals. <i>Infection and Immunity</i> , 2006, 74, 6331-6338.	2.2	22
83	Profiling the host response to malaria vaccination and malaria challenge. <i>Vaccine</i> , 2015, 33, 5316-5320.	3.8	21
84	Divergent trajectories of antiviral memory after SARS-CoV-2 infection. <i>Nature Communications</i> , 2022, 13, 1251.	12.8	20
85	A nonsense mutation in TLR5 is associated with survival and reduced IL-10 and TNF- β levels in human melioidosis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005587.	3.0	16
86	MIG and the Regulatory Cytokines IL-10 and TGF- β 1 Correlate with Malaria Vaccine Immunogenicity and Efficacy. <i>PLoS ONE</i> , 2010, 5, e12557.	2.5	16
87	Human Immune Responses to Melioidosis and Cross-Reactivity to Low-Virulence <i>Burkholderia</i> Species, Thailand1. <i>Emerging Infectious Diseases</i> , 2020, 26, 463-471.	4.3	15
88	T-Cell and Antibody Responses to First BNT162b2 Vaccine Dose in Previously SARS-CoV-2-Infected and Infection-Naïve UK Healthcare Workers: A Multicentre, Prospective, Observational Cohort Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	15
89	Automating the Generation of Antimicrobial Resistance Surveillance Reports: Proof-of-Concept Study Involving Seven Hospitals in Seven Countries. <i>Journal of Medical Internet Research</i> , 2020, 22, e19762.	4.3	14
90	Role of <i>Burkholderia pseudomallei</i> â€Specific IgG2 in Adults with Acute Melioidosis, Thailand. <i>Emerging Infectious Diseases</i> , 2021, 27, 463-470.	4.3	13

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91	Association between Subclinical Malaria Infection and Inflammatory Host Response in a Pre-Elimination Setting. PLoS ONE, 2016, 11, e0158656.	2.5	13
92	Impaired humoral and cellular response to primary <scp>COVID</scp>â€19 vaccination in patients less than 2â€%years after allogeneic bone marrow transplant. British Journal of Haematology, 2022, 198, 668-679.	2.5	13
93	Melioidosis in Bangladesh: A Clinical and Epidemiological Analysis of Culture-Confirmed Cases. Tropical Medicine and Infectious Disease, 2018, 3, 40.	2.3	12
94	Melioidosis DS rapid test: A standardized serological dipstick assay with increased sensitivity and reliability due to multiplex detection. PLoS Neglected Tropical Diseases, 2020, 14, e0008452.	3.0	12
95	Serum From Melioidosis Survivors Diminished Intracellular Burkholderia pseudomallei Growth in Macrophages: A Brief Research Report. Frontiers in Cellular and Infection Microbiology, 2020, 10, 442.	3.9	11
96	The Impact of Viral Mutations on Recognition by SARS-CoV-2 Specific T-Cells. SSRN Electronic Journal, 0, , .	0.4	11
97	Strong interferon-gamma mediated cellular immunity to scrub typhus demonstrated using a novel whole cell antigen ELISpot assay in rhesus macaques and humans. PLoS Neglected Tropical Diseases, 2017, 11, e0005846.	3.0	11
98	Clinical Epidemiology of Septic Arthritis Caused by Burkholderia pseudomallei and Other Bacterial Pathogens in Northeast Thailand. American Journal of Tropical Medicine and Hygiene, 2017, 97, 1695-1701.	1.4	10
99	Co-evolutionary Signals Identify<i>Burkholderia pseudomallei</i>Survival Strategies in a Hostile Environment. Molecular Biology and Evolution, 2022, 39, .	8.9	10
100	Burkholderia pseudomallei induces IL-23 production in primary human monocytes. Medical Microbiology and Immunology, 2016, 205, 255-260.	4.8	9
101	Characterization of the rhesus macaque (Macaca mulatta) scrub typhus model: Susceptibility to intradermal challenge with the human pathogen Orientia tsutsugamushi Karp. PLoS Neglected Tropical Diseases, 2018, 12, e0006305.	3.0	9
102	Quantitative PCR Evaluation of Cellular Immune Responses in Kenyan Children Vaccinated with a Candidate Malaria Vaccine. PLoS ONE, 2009, 4, e8434.	2.5	8
103	Smartphones for community health in rural Cambodia: A feasibility study. Wellcome Open Research, 2018, 3, 69.	1.8	8
104	Safety and Immunogenicity of the ChAdox1 nCoV-19 (AZD1222) Vaccine Against SARS-CoV-2 in HIV Infection. SSRN Electronic Journal, 0, , .	0.4	6
105	Equity for excellence in academic institutions: a manifesto for change. Wellcome Open Research, 2021, 6, 142.	1.8	6
106	BpOmpW Antigen Stimulates the Necessary Protective T-Cell Responses Against Melioidosis. Frontiers in Immunology, 2021, 12, 767359.	4.8	6
107	Comparison of two T-cell assays to evaluate T-cell responses to SARS-CoV-2 following vaccination in naïve and convalescent healthcare workers. Clinical and Experimental Immunology, 2022, 209, 90-98.	2.6	5
108	SARS-CoV-2-Specific T Cell Responses Are Not Associated with Protection against Reinfection in Hemodialysis Patients. Journal of the American Society of Nephrology: JASN, 2022, , ASN.2021121587.	6.1	4

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109	Fatal COVID-19 Outcomes are Associated with an Antibody Response Targeting Epitopes Shared with Endemic Coronaviruses. SSRN Electronic Journal, 0, , .	0.4	3
110	A rapid antibody screening haemagglutination test for predicting immunity to SARS-CoV-2 variants of concern. Communications Medicine, 2022, 2, .	4.2	3
111	Combination therapy of infliximab and thiopurines, but not monotherapy with infliximab or vedolizumab, is associated with attenuated IgA and neutralisation responses to SARS-CoV-2 in inflammatory bowel disease. Gut, 2022, 71, 1919.2-1922.	12.1	3
112	Reduced Neutralization of SARS-CoV-2 B.1.1.7 Variant from Naturally Acquired and Vaccine Induced Antibody Immunity. SSRN Electronic Journal, 0, , .	0.4	2
113	Endemic HBV among hospital in-patients in Bangladesh, including evidence of occult infection. Journal of General Virology, 2021, 102, .	2.9	2
114	Radiological features do not predict failure of two-stage arthroplasty for prosthetic joint infection: a retrospective caseâ€“control study. BMC Musculoskeletal Disorders, 2014, 15, 300.	1.9	1
115	Global antibiotic consumption: A modelling study. International Journal of Infectious Diseases, 2020, 101, 91.	3.3	0
116	Travel and expedition medicine. , 2020, , 713-722.		0
117	Global Antibiotic Consumption in Humans, 2000 to 2018: A Spatial Modelling Study. SSRN Electronic Journal, 0, , .	0.4	0