Andrew J Macpherson

List of Publications by Year
in descending order

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62 papers	8,969 citations	101384 36 h-index	123241 61 g-index
66 all docs	66 docs citations	66 times ranked	12092 citing authors

#	Article	IF	Citations
1	Interactions between commensal intestinal bacteria and the immune system. Nature Reviews Immunology, 2004, 4, 478-485.	10.6	1,325
2	The maternal microbiota drives early postnatal innate immune development. Science, 2016, 351, 1296-1302.	6.0	871
3	Reversible Microbial Colonization of Germ-Free Mice Reveals the Dynamics of IgA Immune Responses. Science, 2010, 328, 1705-1709.	6.0	657
4	Use of axenic animals in studying the adaptation of mammals to their commensal intestinal microbiota. Seminars in Immunology, 2007, 19, 59-69.	2.7	637
5	Innate and Adaptive Immunity Cooperate Flexibly to Maintain Host-Microbiota Mutualism. Science, 2009, 325, 617-620.	6.0	443
6	The outer mucus layer hosts a distinct intestinal microbial niche. Nature Communications, 2015, 6, 8292.	5.8	390
7	The Intestinal Microbiota Contributes to the Ability of Helminths to Modulate Allergic Inflammation. Immunity, 2015, 43, 998-1010.	6.6	362
8	Crosstalk between B lymphocytes, microbiota and the intestinal epithelium governs immunity versus metabolism in the gut. Nature Medicine, 2011, 17, 1585-1593.	15.2	323
9	Genome-guided design of a defined mouse microbiota that confers colonization resistance against Salmonella enterica serovar Typhimurium. Nature Microbiology, 2017, 2, 16215.	5.9	313
10	Microbial network disturbances in relapsing refractory Crohnâ€™s disease. Nature Medicine, 2019, 25, 323-336.	15.2	277
11	How nutrition and the maternal microbiota shape the neonatal immune system. Nature Reviews Immunology, 2017, 17, 508-517.	10.6	270
12	Microbiota-Derived Compounds Drive Steady-State Granulopoiesis via MyD88/TICAM Signaling. Journal of Immunology, 2014, 193, 5273-5283.	0.4	202
13	IgA Function in Relation to the Intestinal Microbiota. Annual Review of Immunology, 2018, 36, 359-381.	9.5	196
14	Age, microbiota, and T cells shape diverse individual IgA repertoires in the intestine. Journal of Experimental Medicine, 2012, 209, 365-377.	4.2	195
15	Mechanisms of Neonatal Mucosal Antibody Protection. Journal of Immunology, 2006, 177, 6256-6262.	0.4	187
16	Microbiota-derived acetate enables the metabolic fitness of the brain innate immune system during health and disease. Cell Metabolism, 2021, 33, 2260-2276.e7.	7.2	173
17	Homeland Security: IgA immunity at the frontiers of the body. Trends in Immunology, 2012, 33, 160-167.	2.9	167
18	Microbiota-Induced Type I Interferons Instruct a Poised Basal State of Dendritic Cells. Cell, 2020, 181, 1080-1096.e19.	13.5	139

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19	The bilateral responsiveness between intestinal microbes and IgA. Trends in Immunology, 2015, 36, 460-470.	2.9	136
20	Mucosal or systemic microbiota exposures shape the BÂcell repertoire. Nature, 2020, 584, 274-278.	13.7	132
21	Antibodies Set Boundaries Limiting Microbial Metabolite Penetration and the Resultant Mammalian Host Response. Immunity, 2018, 49, 545-559.e5.	6.6	121
22	The habitat, double life, citizenship, and forgetfulness of IgA. Immunological Reviews, 2012, 245, 132-146.	2.8	105
23	The mucosal firewalls against commensal intestinal microbes. Seminars in Immunopathology, 2009, 31, 145-149.	2.8	95
24	Microbialâ€“host molecular exchange and its functional consequences in early mammalian life. Science, 2020, 368, 604-607.	6.0	91
25	Escherichia coli limits Salmonella Typhimurium infections after diet shifts and fat-mediated microbiota perturbation in mice. Nature Microbiology, 2019, 4, 2164-2174.	5.9	88
26	Warmth Prevents Bone Loss Through the Gut Microbiota. Cell Metabolism, 2020, 32, 575-590.e7.	7.2	88
27	Gut microbiota drives age-related oxidative stress and mitochondrial damage in microglia via the metabolite N6-carboxymethyllysine. Nature Neuroscience, 2022, 25, 295-305.	7.1	84
28	Different effects of constitutive and induced microbiota modulation on microglia in a mouse model of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2020, 8, 119.	2.4	75
29	The immunological functions of the Appendix: An example of redundancy?. Seminars in Immunology, 2018, 36, 31-44.	2.7	68
30	Analysis of bacterial-surface-specific antibodies in body fluids using bacterial flow cytometry. Nature Protocols, 2016, 11, 1531-1553.	5.5	67
31	Vegetarian or glutenâ€free diets in patients with inflammatory bowel disease are associated with lower psychological wellâ€being and a different gut microbiota, but no beneficial effects on the course of the disease. United European Gastroenterology Journal, 2019, 7, 767-781.	1.6	67
32	Parallelism of intestinal secretory IgA shapes functional microbial fitness. Nature, 2021, 598, 657-661.	13.7	60
33	Long-term evolution and short-term adaptation of microbiota strains and sub-strains in mice. Cell Host and Microbe, 2021, 29, 650-663.e9.	5.1	58
34	Epithelial endoplasmic reticulum stress orchestrates a protective IgA response. Science, 2019, 363, 993-998.	6.0	51
35	High-Quality Whole-Genome Sequences of the Oligo-Mouse-Microbiota Bacterial Community. Genome Announcements, 2017, 5, .	0.8	49
36	Stratification and compartmentalisation of immunoglobulin responses to commensal intestinal microbes. Seminars in Immunology, 2013, 25, 358-363.	2.7	45

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37	Complete Genome Sequences of 12 Species of Stable Defined Moderately Diverse Mouse Microbiota 2. Genome Announcements, 2016, 4, .	0.8	45
38	Noninvasive assessment of gut function using transcriptional recording sentinel cells. Science, 2022, 376, eabm6038.	6.0	45
39	The presence of genetic risk variants within PTPN2 and PTPN22 is associated with intestinal microbiota alterations in Swiss IBD cohort patients. PLoS ONE, 2018, 13, e0199664.	1.1	35
40	Immunoglobulin A. Current Opinion in Gastroenterology, 2011, 27, 529-533.	1.0	33
41	The Stimulation of Macrophages with TLR Ligands Supports Increased IL-19 Expression in Inflammatory Bowel Disease Patients and in Colitis Models. Journal of Immunology, 2017, 199, 2570-2584.	0.4	28
42	D-lactic Acidosis: Successful Suppression of D-lactateâ€“Producing Lactobacillus by Probiotics. Pediatrics, 2018, 142, .	1.0	26
43	Intraperitoneal microbial contamination drives post-surgical peritoneal adhesions by mesothelial EGFR-signaling. Nature Communications, 2021, 12, 7316.	5.8	22
44	Innate and adaptive immunity in host-microbiota mutualism. Frontiers in Bioscience - Scholar, 2012, S4, 685-698.	0.8	13
45	Independence Day for IgA. Immunity, 2015, 43, 416-418.	6.6	13
46	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. Scientific Reports, 2018, 8, 5975.	1.6	13
47	Commensal microbiota divergently affect myeloid subsets in the mammalian central nervous system during homeostasis and disease. EMBO Journal, 2021, 40, e108605.	3.5	12
48	The University of Zimbabwe College of Health Sciences (UZ-CHS) BIRTH COHORT study: rationale, design and methods. BMC Infectious Diseases, 2020, 20, 725.	1.3	10
49	Breast Milk Modulates Transgenerational Immune Inheritance. Cell, 2020, 181, 1202-1204.	13.5	10
50	Penetrability of the inner mucus layer: who is out there?. EMBO Reports, 2015, 16, 127-129.	2.0	7
51	Antibodies that l ^{IgA} te our intestinal microbes. Science Immunology, 2018, 3, .	5.6	6
52	EUS-guided pancreaticogastrostomy and transgastric per-oralÂpancreatoscopy with electrohydraulic lithotripsy in aÂpatientÂwith chronic hereditary pancreatitis and several intraductal stones. VideoGIE, 2018, 3, 238-240.	0.3	6
53	Genotypeâ€“phenotype associations of polymorphisms within the gene locus of NOD-like receptor pyrin domain containing 3 in Swiss inflammatory bowel disease patients. BMC Gastroenterology, 2021, 21, 310.	0.8	5
54	In Silico Comparison Shows that the Pan-Genome of a Dairy-Related Bacterial Culture Collection Covers Most Reactions Annotated to Human Microbiomes. Microorganisms, 2020, 8, 966.	1.6	4

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55	EUS-guided hepaticojejunostomy with transjejunal per-oral cholangioscopy and electrohydraulic lithotripsy in a patient with complicated choledocholithiasis after Roux-en-Y gastric bypass. VideoGIE, 2018, 3, 351-353.	0.3	2
56	IgAâ€"about the unexpected. Journal of Experimental Medicine, 2018, 215, 1965-1966.	4.2	2
57	Innate lymphoid cell characterization in the rat and their correlation to gut commensal microbes. European Journal of Immunology, 2022, 52, 717-729.	1.6	2
58	Endoscopic intra-abdominal rescue therapy of a dislodged EUS-guided hepaticogastrostomy stent. VideoGIE, 2018, 3, 308-310.	0.3	1
59	Endoscopic rescue therapy of a distally perforated, retroperitoneal stent after EUS-guided pancreaticogastrostomy. VideoGIE, 2019, 4, 169-171.	0.3	1
60	Microbial drivers of DSS variability. Nature Microbiology, 2022, 7, 478-479.	5.9	1
61	Reply to 'On the implications of polyclonal B cell activation'. Nature Immunology, 2003, 4, 932-932.	7.0	0
62	Progressive malnutrition despite percutaneous endoscopic gastrostomy. Frontline Gastroenterology, 2020, 12, flgastro-2020-101413.	0.9	0