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	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
2	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
3	Microbial drivers of DSS variability. Nature Microbiology, 2022, 7, 478-479.	5.9	1
4	Noninvasive assessment of gut function using transcriptional recording sentinel cells. Science, 2022, 376, eabm6038.	6.0	45
5	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
6	Commensal microbiota divergently affect myeloid subsets in the mammalian central nervous system during homeostasis and disease. EMBO Journal, 2021, 40, e108605.	3.5	12
7	Parallelism of intestinal secretory IgA shapes functional microbial fitness. Nature, 2021, 598, 657-661.	13.7	60
8	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
9	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
10	Intraperitoneal microbial contamination drives post-surgical peritoneal adhesions by mesothelial EGFR-signaling. Nature Communications, 2021, 12, 7316.	5.8	22
11	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
12	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
13	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
14	Mucosal or systemic microbiota exposures shape the BÂcell repertoire. Nature, 2020, 584, 274-278.	13.7	132
15	Warmth Prevents Bone Loss Through the Gut Microbiota. Cell Metabolism, 2020, 32, 575-590.e7.	7.2	88
16	Microbialâ€“host molecular exchange and its functional consequences in early mammalian life. Science, 2020, 368, 604-607.	6.0	91
17	Breast Milk Modulates Transgenerational Immune Inheritance. Cell, 2020, 181, 1202-1204.	13.5	10
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	Progressive malnutrition despite percutaneous endoscopic gastrostomy. Frontline Gastroenterology, 2020, 12, flgastro-2020-101413.	0.9	0
20	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
21	Microbial network disturbances in relapsing refractory Crohnâ€™s disease. Nature Medicine, 2019, 25, 323-336.	15.2	277
22	Epithelial endoplasmic reticulum stress orchestrates a protective IgA response. Science, 2019, 363, 993-998.	6.0	51
23	Endoscopic rescue therapy of a distally perforated, retroperitoneal stent after EUS-guided pancreaticogastrostomy. VideoGIE, 2019, 4, 169-171.	0.3	1
24	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
25	The immunological functions of the Appendix: An example of redundancy?. Seminars in Immunology, 2018, 36, 31-44.	2.7	68
26	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. Scientific Reports, 2018, 8, 5975.	1.6	13
27	IgA Function in Relation to the Intestinal Microbiota. Annual Review of Immunology, 2018, 36, 359-381.	9.5	196
28	Antibodies that l ^{IgA} te our intestinal microbes. Science Immunology, 2018, 3, .	5.6	6
29	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
30	Endoscopic intra-abdominal rescue therapy of a dislodged EUS-guided hepaticogastrostomy stent. VideoGIE, 2018, 3, 308-310.	0.3	1
31	Antibodies Set Boundaries Limiting Microbial Metabolite Penetration and the Resultant Mammalian Host Response. Immunity, 2018, 49, 545-559.e5.	6.6	121
32	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
33	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
34	IgAâ€”about the unexpected. Journal of Experimental Medicine, 2018, 215, 1965-1966.	4.2	2
35	D-lactic Acidosis: Successful Suppression of D-lactateâ€“Producing Lactobacillus by Probiotics. Pediatrics, 2018, 142, .	1.0	26
36	How nutrition and the maternal microbiota shape the neonatal immune system. Nature Reviews Immunology, 2017, 17, 508-517.	10.6	270

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37	High-Quality Whole-Genome Sequences of the Oligo-Mouse-Microbiota Bacterial Community. Genome Announcements, 2017, 5, .	0.8	49
38	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
39	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
40	Analysis of bacterial-surface-specific antibodies in body fluids using bacterial flow cytometry. Nature Protocols, 2016, 11, 1531-1553.	5.5	67
41	Complete Genome Sequences of 12 Species of Stable Defined Moderately Diverse Mouse Microbiota 2. Genome Announcements, 2016, 4, .	0.8	45
42	The maternal microbiota drives early postnatal innate immune development. Science, 2016, 351, 1296-1302.	6.0	871
43	Penetrability of the inner mucus layer: who is out there?. EMBO Reports, 2015, 16, 127-129.	2.0	7
44	The bilateral responsiveness between intestinal microbes and IgA. Trends in Immunology, 2015, 36, 460-470.	2.9	136
45	The outer mucus layer hosts a distinct intestinal microbial niche. Nature Communications, 2015, 6, 8292.	5.8	390
46	The Intestinal Microbiota Contributes to the Ability of Helminths to Modulate Allergic Inflammation. Immunity, 2015, 43, 998-1010.	6.6	362
47	Independence Day for IgA. Immunity, 2015, 43, 416-418.	6.6	13
48	Microbiota-Derived Compounds Drive Steady-State Granulopoiesis via MyD88/TICAM Signaling. Journal of Immunology, 2014, 193, 5273-5283.	0.4	202
49	Stratification and compartmentalisation of immunoglobulin responses to commensal intestinal microbes. Seminars in Immunology, 2013, 25, 358-363.	2.7	45
50	Age, microbiota, and T cells shape diverse individual IgA repertoires in the intestine. Journal of Experimental Medicine, 2012, 209, 365-377.	4.2	195
51	Homeland Security: IgA immunity at the frontiers of the body. Trends in Immunology, 2012, 33, 160-167.	2.9	167
52	Innate and adaptive immunity in host-microbiota mutualism. Frontiers in Bioscience - Scholar, 2012, S4, 685-698.	0.8	13
53	The habitat, double life, citizenship, and forgetfulness of IgA. Immunological Reviews, 2012, 245, 132-146.	2.8	105
54	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

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55	Immunoglobulin A. Current Opinion in Gastroenterology, 2011, 27, 529-533.	1.0	33
56	Reversible Microbial Colonization of Germ-Free Mice Reveals the Dynamics of IgA Immune Responses. Science, 2010, 328, 1705-1709.	6.0	657
57	The mucosal firewalls against commensal intestinal microbes. Seminars in Immunopathology, 2009, 31, 145-149.	2.8	95
58	Innate and Adaptive Immunity Cooperate Flexibly to Maintain Host-Microbiota Mutualism. Science, 2009, 325, 617-620.	6.0	443
59	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
60	Mechanisms of Neonatal Mucosal Antibody Protection. Journal of Immunology, 2006, 177, 6256-6262.	0.4	187
61	Interactions between commensal intestinal bacteria and the immune system. Nature Reviews Immunology, 2004, 4, 478-485.	10.6	1,325
62	Reply to 'On the implications of polyclonal B cell activation'. Nature Immunology, 2003, 4, 932-932.	7.0	0