Andrew J Murphy

List of Publications by Year
in descending order

51 papers	9,275 citations	109137 35 h-index	174990 52 g-index
57 all docs	57 docs citations	57 times ranked	17332 citing authors

#	Article	IF	Citations
1	Targeting immunodominant Bet v 1 epitopes with monoclonal antibodies prevents the birch allergic response. Journal of Allergy and Clinical Immunology, 2022, 149, 200-211.	1.5	27
2	Anti-ACVR1 antibodies exacerbate heterotopic ossification in fibrodysplasia ossificans progressiva (FOP) by activating FOP-mutant ACVR1. Journal of Clinical Investigation, 2022, 132, .	3.9	17
3	A single-cell map of dynamic chromatin landscapes of immune cells in renal cell carcinoma. Nature Cancer, 2022, 3, 885-898.	5.7	20
4	Sequence of Î±PD-1 relative to local tumor irradiation determines the induction of abscopal antitumor immune responses. Science Immunology, 2021, 6, .	5.6	81
5	Butyrophilin-like 2 regulates site-specific adaptations of intestinal Î³Î´ intraepithelial lymphocytes. Communications Biology, 2021, 4, 913.	2.0	3
6	Sequencing of 640,000 exomes identifies GPR75 variants associated with protection from obesity. Science, 2021, 373, .	6.0	130
7	The monoclonal antibody combination REGEN-COV protects against SARS-CoV-2 mutational escape in preclinical and human studies. Cell, 2021, 184, 3949-3961.e11.	13.5	171
8	Cell type-selective targeted delivery of a recombinant lysosomal enzyme for enzyme therapies. Molecular Therapy, 2021, 29, 3512-3524.	3.7	10
9	Humanization of T cellâ€“mediated immunity in mice. Science Immunology, 2021, 6, eabj4026.	5.6	9
10	A class of costimulatory CD28-bispecific antibodies that enhance the antitumor activity of CD3-bispecific antibodies. Science Translational Medicine, 2020, 12, .	5.8	70
11	REGN-COV2 antibodies prevent and treat SARS-CoV-2 infection in rhesus macaques and hamsters. Science, 2020, 370, 1110-1115.	6.0	476
12	Enhanced IL-36R signaling promotes barrier impairment and inflammation in skin and intestine. Science Immunology, 2020, 5, .	5.6	21
13	Antibody cocktail to SARS-CoV-2 spike protein prevents rapid mutational escape seen with individual antibodies. Science, 2020, 369, 1014-1018.	6.0	1,188
14	Activin A does not drive post-traumatic heterotopic ossification. Bone, 2020, 138, 115473.	1.4	22
15	Studies in humanized mice and convalescent humans yield a SARS-CoV-2 antibody cocktail. Science, 2020, 369, 1010-1014.	6.0	1,140
16	Endogenous retroviral proteins provide an immunodominant but not requisite antigen in a murine immunotherapy tumor model. OncoImmunology, 2020, 9, 1758602.	2.1	12
17	Absence of central tolerance in Aire-deficient mice synergizes with immune-checkpoint inhibition to enhance antitumor responses. Communications Biology, 2020, 3, 355.	2.0	5
18	Tumor-targeted CD28 bispecific antibodies enhance the antitumor efficacy of PD-1 immunotherapy. Science Translational Medicine, 2020, 12, .	5.8	49

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19	Chronic allergen exposure drives accumulation of long-lived IgE plasma cells in the bone marrow, giving rise to serological memory. Science Immunology, 2020, 5, .	5.6	55
20	The anti-IgE mAb omalizumab induces adverse reactions by engaging FcÎ³ receptors. Journal of Clinical Investigation, 2020, 130, 1330-1335.	3.9	35
21	Activin A forms a non-signaling complex with ACVR1 and type II Activin/BMP receptors via its finger 2 tip loop. ELife, 2020, 9, .	2.8	45
22	A novel bispecific antibody platform to direct complement activity for efficient lysis of target cells. Scientific Reports, 2019, 9, 12031.	1.6	19
23	An engineered human Fc domain that behaves like a pH-toggle switch for ultra-long circulation persistence. Nature Communications, 2019, 10, 5031.	5.8	49
24	IL-33 blockade affects mediators of persistence and exacerbation in a model of chronic airway inflammation. Journal of Allergy and Clinical Immunology, 2019, 144, 1624-1637.e10.	1.5	64
25	Treating cat allergy with monoclonal IgG antibodies that bind allergen and prevent IgE engagement. Nature Communications, 2018, 9, 1421.	5.8	164
26	Platelets expressing IgG receptor FcÎ³RIIA/CD32A determine the severity of experimental anaphylaxis. Science Immunology, 2018, 3, .	5.6	59
27	A Protein-TruncatingHSD17B13Variant and Protection from Chronic Liver Disease. New England Journal of Medicine, 2018, 378, 1096-1106.	13.9	556
28	Combination cancer immunotherapy targeting PD-1 and GITR can rescue CD8 ⁺ T cell dysfunction and maintain memory phenotype. Science Immunology, 2018, 3, .	5.6	133
29	Genetic inactivation of ANGPTL4 improves glucose homeostasis and is associated with reduced risk of diabetes. Nature Communications, 2018, 9, 2252.	5.8	99
30	Angptl4 does not control hyperglucagonemia or Î±-cell hyperplasia following glucagon receptor inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2747-2752.	3.3	17
31	Characterization of the Antiâ€“PD-1 Antibody REGN2810 and Its Antitumor Activity in HumanPD-1Knock-In Mice. Molecular Cancer Therapeutics, 2017, 16, 861-870.	1.9	92
32	ANGPTL8 Blockade With a Monoclonal Antibody Promotes Triglyceride Clearance, Energy Expenditure, and Weight Loss in Mice. Endocrinology, 2017, 158, 1252-1259.	1.4	59
33	Genetic and Pharmacologic Inactivation of ANGPTL3 and Cardiovascular Disease. New England Journal of Medicine, 2017, 377, 211-221.	13.9	633
34	Humanized mouse model supports development, function, and tissue residency of human natural killer cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9626-E9634.	3.3	138
35	Activin A more prominently regulates muscle mass in primates than does GDF8. Nature Communications, 2017, 8, 15153.	5.8	129
36	The Expansion of Heterotopic Bone in Fibrodysplasia Ossificans Progressiva Is Activin A-Dependent. Journal of Bone and Mineral Research, 2017, 32, 2489-2499.	3.1	51

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37	InÂvivo effector functions of high-affinity mouse IgG receptor FcÎ³RI in disease and therapy models. Journal of Autoimmunity, 2017, 80, 95-102.	3.0	7
38	Mechanisms of anaphylaxis in human low-affinity IgG receptor locus knock-in mice. Journal of Allergy and Clinical Immunology, 2017, 139, 1253-1265.e14.	1.5	47
39	Distribution and clinical impact of functional variants in 50,726 whole-exome sequences from the DiscovEHR study. Science, 2016, 354, .	6.0	464
40	C9orf72 ablation causes immune dysregulation characterized by leukocyte expansion, autoantibody production and glomerulonephropathy in mice. Scientific Reports, 2016, 6, 23204.	1.6	213
41	In-silico discovery of cancer-specific peptide-HLA complexes for targeted therapy. BMC Bioinformatics, 2016, 17, 286.	1.2	15
42	Inactivating Variants in ANGPTL4 and Risk of Coronary Artery Disease. New England Journal of Medicine, 2016, 374, 1123-1133.	13.9	411
43	Myostatin blockade with a fully human monoclonal antibody induces muscle hypertrophy and reverses muscle atrophy in young and aged mice. Skeletal Muscle, 2015, 5, 34.	1.9	103
44	ANGPTL3 blockade with a human monoclonal antibody reduces plasma lipids in dyslipidemic mice and monkeys. Journal of Lipid Research, 2015, 56, 1308-1317.	2.0	165
45	ACVR1 ^{R206H} receptor mutation causes fibrodysplasia ossificans progressiva by imparting responsiveness to activin A. Science Translational Medicine, 2015, 7, 303ra137.	5.8	366
46	Precise and in situ genetic humanization of 6 Mb of mouse immunoglobulin genes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5147-5152.	3.3	285
47	Mice with megabase humanization of their immunoglobulin genes generate antibodies as efficiently as normal mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5153-5158.	3.3	346
48	ANGPTL8/Betatrophin Does Not Control Pancreatic Beta Cell Expansion. Cell, 2014, 159, 691-696.	13.5	187
49	Conditionals by inversion provide a universal method for the generation of conditional alleles. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3179-88.	3.3	64
50	Human thrombopoietin knockin mice efficiently support human hematopoiesis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2378-2383.	3.3	169
51	High-throughput engineering of the mouse genome coupled with high-resolution expression analysis. Nature Biotechnology, 2003, 21, 652-659.	9.4	549