James N Arnold

List of Publications by Year
in descending order

32 papers	4,646 citations	279798 23 h-index	414414 32 g-index
37 all docs	37 docs citations	37 times ranked	7014 citing authors

#	Article	IF	Citations
1	The Impact of Glycosylation on the Biological Function and Structure of Human Immunoglobulins. Annual Review of Immunology, 2007, 25, 21-50.	21.8	1,180
2	Suppression of Antitumor Immunity by Stromal Cells Expressing Fibroblast Activation Proteinâ€“Î±. Science, 2010, 330, 827-830.	12.6	952
3	Ovarian Cancer is Associated with Changes in Glycosylation in Both Acute-Phase Proteins and IgG. Glycobiology, 2007, 17, 1344-1356.	2.5	369
4	Evaluation of the serum Nâ€linked glycome for the diagnosis of cancer and chronic inflammation. Proteomics, 2008, 8, 3284-3293.	2.2	296
5	Human Serum IgM Glycosylation. Journal of Biological Chemistry, 2005, 280, 29080-29087.	3.4	209
6	Novel Glycan Biomarkers for the Detection of Lung Cancer. Journal of Proteome Research, 2011, 10, 1755-1764.	3.7	181
7	Mannan binding lectin and its interaction with immunoglobulins in health and in disease. Immunology Letters, 2006, 106, 103-110.	2.5	139
8	Carbohydrate-independent recognition of collagens by the macrophage mannose receptor. European Journal of Immunology, 2006, 36, 1074-1082.	2.9	130
9	Tumoral Immune Suppression by Macrophages Expressing Fibroblast Activation Protein-Î± and Heme Oxygenase-1. Cancer Immunology Research, 2014, 2, 121-126.	3.4	127
10	Human Follicular Lymphoma Cells Contain Oligomannose Glycans in the Antigen-binding Site of the B-cell Receptor. Journal of Biological Chemistry, 2007, 282, 7405-7415.	3.4	117
11	Cytotoxic Chemotherapy as an Immune Stimulus: A Molecular Perspective on Turning Up the Immunological Heat on Cancer. Frontiers in Immunology, 2019, 10, 1654.	4.8	101
12	The Glycosylation of Human Serum IgD and IgE and the Accessibility of Identified Oligomannose Structures for Interaction with Mannan-Binding Lectin. Journal of Immunology, 2004, 173, 6831-6840.	0.8	100
13	Perspectives on Chimeric Antigen Receptor T-Cell Immunotherapy for Solid Tumors. Frontiers in Immunology, 2018, 9, 1104.	4.8	95
14	Macrophages are exploited from an innate wound healing response to facilitate cancer metastasis. Nature Communications, 2018, 9, 2951.	12.8	81
15	Structural Model for the Mannose Receptor Family Uncovered by Electron Microscopy of Endo180 and the Mannose Receptor. Journal of Biological Chemistry, 2006, 281, 8780-8787.	3.4	76
16	The Diverse Roles of Heme Oxygenase-1 in Tumor Progression. Frontiers in Immunology, 2021, 12, 658315.	4.8	72
17	Hypoxia-sensing CAR TÂcells provide safety and efficacy in treating solid tumors. Cell Reports Medicine, 2021, 2, 100227.	6.5	65
18	Increased complement classical and mannan-binding lectin pathway activities in schizophrenia. Neuroscience Letters, 2006, 404, 336-341.	2.1	62

#	Article	IF	Citations
19	Specific interaction of hepatitis C virus glycoproteins with mannan binding lectin inhibits virus entry. Protein and Cell, 2010, 1, 664-674.	11.0	52
20	Repurposing Tin Mesoporphyrin as an Immune Checkpoint Inhibitor Shows Therapeutic Efficacy in Preclinical Models of Cancer. Clinical Cancer Research, 2018, 24, 1617-1628.	7.0	44
21	Interaction of Mannan Binding Lectin with Î±2 Macroglobulin via Exposed Oligomannose Glycans. Journal of Biological Chemistry, 2006, 281, 6955-6963.	3.4	43
22	Macrophages orchestrate the expansion of a proangiogenic perivascular niche during cancer progression. Science Advances, 2021, 7, eabg9518.	10.3	32
23	Heterogeneity of MBLâ€“MASP complexes. Molecular Immunology, 2006, 43, 1286-1292.	2.2	27
24	Human complement factor I glycosylation: Structural and functional characterisation of the N-linked oligosaccharides. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1757-1766.	2.3	27
25	Human Immunoglobulin Glycosylation and the Lectin Pathway of Complement Activation. Advances in Experimental Medicine and Biology, 2005, 564, 27-43.	1.6	17
26	Detecting intratumoral heterogeneity of EGFR activity by liposome-based in vivo transfection of a fluorescent biosensor. Oncogene, 2017, 36, 3618-3628.	5.9	16
27	ImmunoCluster provides a computational framework for the nonspecialist to profile high-dimensional cytometry data. ELife, 2021, 10, .	6.0	11
28	A Chemical Approach to Immunoprotein Engineering: Chemoselective Functionalization of Thioester Proteins in Their Native State. ChemBioChem, 2009, 10, 1340-1343.	2.6	5
29	Purification, Quantification, and Functional Analysis of Complement Factor H. Methods in Molecular Biology, 2014, 1100, 207-223.	0.9	5
30	Generation of hypoxia-sensing chimeric antigen receptor TÂcells. STAR Protocols, 2021, 2, 100723.	1.2	4
31	Immune cellâ€“antibody interactions in health and disease. Clinical and Experimental Immunology, 2022, 209, 1-3.	2.6	4
32	Immunocluster: A Computational Tool to Explore the Immune Profile and Cellular Heterogeneity of Hematological Diseases Using Liquid and Imaging Mass, and Flow Cytometry Data. Blood, 2020, 136, 9-10.	1.4	1