List of Publications by Year in descending order

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SHIE-LIANC HSIEH

#	Article	IF	CITATIONS
1	CLEC5A is critical for dengue-virus-induced lethal disease. Nature, 2008, 453, 672-676.	27.8	344
2	Targeting the carbohydrates on HIV-1: Interaction of oligomannose dendrons with human monoclonal antibody 2G12 and DC-SIGN. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3690-3695.	7.1	270
3	CLEC5A is critical for dengue virus–induced inflammasome activation in human macrophages. Blood, 2013, 121, 95-106.	1.4	182
4	Extracellular vesicles from CLEC2-activated platelets enhance dengue virus-induced lethality via CLEC5A/TLR2. Nature Communications, 2019, 10, 2402.	12.8	147
5	Decoy receptor 3: A pleiotropic immunomodulator and biomarker for inflammatory diseases, autoimmune diseases and cancer. Biochemical Pharmacology, 2011, 81, 838-847.	4.4	138
6	Survey of immune-related, mannose/fucose-binding C-type lectin receptors reveals widely divergent sugar-binding specificities. Glycobiology, 2011, 21, 512-520.	2.5	130
7	CLEC5A Regulates Japanese Encephalitis Virus-Induced Neuroinflammation and Lethality. PLoS Pathogens, 2012, 8, e1002655.	4.7	118
8	Modulation of Dendritic Cell Differentiation and Maturation by Decoy Receptor 3. Journal of Immunology, 2002, 168, 4846-4853.	0.8	114
9	Syk is involved in NLRP3 inflammasome-mediated caspase-1 activation through adaptor ASC phosphorylation and enhanced oligomerization. Journal of Leukocyte Biology, 2015, 97, 825-835.	3.3	113
10	Epigenetic control of MHC class II expression in tumor-associated macrophages by decoy receptor 3. Blood, 2008, 111, 5054-5063.	1.4	110
11	Soluble Decoy Receptor 3 Induces Angiogenesis by Neutralization of TL1A, a Cytokine Belonging to Tumor Necrosis Factor Superfamily and Exhibiting Angiostatic Action. Cancer Research, 2004, 64, 1122-1129.	0.9	107
12	Altered mRNA expressions of sialyltransferases in ovarian cancers. Gynecologic Oncology, 2005, 99, 631-639.	1.4	104
13	Decoy Receptor 3 Increases Monocyte Adhesion to Endothelial Cells via NF-κB-Dependent Up-Regulation of Intercellular Adhesion Molecule-1, VCAM-1, and IL-8 Expression. Journal of Immunology, 2005, 174, 1647-1656.	0.8	91
14	Modulation of macrophage differentiation and activation by decoy receptor 3. Journal of Leukocyte Biology, 2004, 75, 486-494.	3.3	89
15	Enhanced Secretion of IFN-γ by Activated Th1 Cells Occurs Via Reverse Signaling Through TNF-Related Activation-Induced Cytokine. Journal of Immunology, 2001, 166, 270-276.	0.8	87
16	CLEC4F Is an Inducible C-Type Lectin in F4/80-Positive Cells and Is Involved in Alpha-Galactosylceramide Presentation in Liver. PLoS ONE, 2013, 8, e65070.	2.5	79
17	Profiling Carbohydrate-Receptor Interaction with Recombinant Innate Immunity Receptor-Fc Fusion Proteins. Journal of Biological Chemistry, 2009, 284, 34479-34489.	3.4	74
18	Transgenic Expression of Decoy Receptor 3 Protects Islets from Spontaneous and Chemical-induced Autoimmune Destruction in Nonobese Diabetic Mice. Journal of Experimental Medicine, 2004, 199, 1143-1151.	8.5	72

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#	Article	IF	CITATIONS
19	CLEC5A is a critical receptor in innate immunity against Listeria infection. Nature Communications, 2017, 8, 299.	12.8	65
20	Decoy receptor 3: an endogenous immunomodulator in cancer growth and inflammatory reactions. Journal of Biomedical Science, 2017, 24, 39.	7.0	63
21	Apoptosis of dendritic cells induced by decoy receptor 3 (DcR3). Blood, 2008, 111, 1480-1488.	1.4	60
22	Vaccination targeting surface FomA of Fusobacterium nucleatum against bacterial co-aggregation: Implication for treatment of periodontal infection and halitosis. Vaccine, 2010, 28, 3496-3505.	3.8	59
23	Attenuation of Th1 Response in Decoy Receptor 3 Transgenic Mice. Journal of Immunology, 2005, 175, 5135-5145.	0.8	58
24	Persistent Krüppelâ€like factor 4 expression predicts progression and poor prognosis of head and neck squamous cell carcinoma. Cancer Science, 2011, 102, 895-902.	3.9	58
25	Galectin-1 Promotes Immunoglobulin Production during Plasma Cell Differentiation. Journal of Immunology, 2008, 181, 4570-4579.	0.8	55
26	AMPK-dependent and independent actions of P2X7 in regulation of mitochondrial and lysosomal functions in microglia. Cell Communication and Signaling, 2018, 16, 83.	6.5	54
27	The Role of Apoptosis Signal-regulating Kinase 1 in Lymphotoxin-Î ² Receptor-mediated Cell Death. Journal of Biological Chemistry, 2003, 278, 16073-16081.	3.4	52
28	Genetic variants that influence SARS-CoV-2 receptor TMPRSS2 expression among population cohorts from multiple continents. Biochemical and Biophysical Research Communications, 2020, 529, 263-269.	2.1	51
29	TREM-1 regulates macrophage polarization in ureteral obstruction. Kidney International, 2014, 86, 1174-1186.	5.2	50
30	CLEC2 and CLEC5A: Pathogenic Host Factors in Acute Viral Infections. Frontiers in Immunology, 2019, 10, 2867.	4.8	49
31	Eradication of multidrug-resistant Acinetobacter baumannii from the respiratory tract with inhaled colistin methanesulfonate: a matched case-control study. Clinical Microbiology and Infection, 2012, 18, 870-876.	6.0	47
32	Enhanced adhesion of monocytes via reverse signaling triggered by decoy receptor 3. Experimental Cell Research, 2004, 292, 241-251.	2.6	44
33	α2,3-sialyltransferase type I regulates migration and peritoneal dissemination of ovarian cancer cells. Oncotarget, 2017, 8, 29013-29027.	1.8	44
34	Hormone therapy for younger patients with endometrial cancer. Taiwanese Journal of Obstetrics and Gynecology, 2012, 51, 495-505.	1.3	43
35	Decoy Receptor 3 Ameliorates an Autoimmune Crescentic Glomerulonephritis Model in Mice. Journal of the American Society of Nephrology: JASN, 2007, 18, 2473-2485.	6.1	42
36	Distinct regulation of dengue virus-induced inflammasome activation in humanmacrophage subsets. Journal of Biomedical Science, 2013, 20, 36.	7.0	42

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37	Decoy Receptor 3 Levels in Peripheral Blood Predict Outcomes of Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 751-760.	5.6	41
38	Long-term cannabinoid type 2 receptor agonist therapy decreases bacterial translocation in rats with cirrhosis and ascites. Journal of Hepatology, 2014, 61, 1004-1013.	3.7	41
39	CLEC5A-Mediated Enhancement of the Inflammatory Response in Myeloid Cells Contributes to Influenza Virus Pathogenicity <i>In Vivo</i> . Journal of Virology, 2017, 91, .	3.4	41
40	The Glycosaminoglycan-Binding Domain of Decoy Receptor 3 Is Essential for Induction of Monocyte Adhesion. Journal of Immunology, 2006, 176, 173-180.	0.8	40
41	Humoral Immunity against Capsule Polysaccharide Protects the Host from <i>magA</i> ⁺ <i>Klebsiella pneumoniae</i> -Induced Lethal Disease by Evading Toll-Like Receptor 4 Signaling. Infection and Immunity, 2009, 77, 615-621.	2.2	40
42	Attenuation of Bone Mass and Increase of Osteoclast Formation in Decoy Receptor 3 Transgenic Mice. Journal of Biological Chemistry, 2007, 282, 2346-2354.	3.4	39
43	Decoy Receptor 3 Enhances Tumor Progression via Induction of Tumor-Associated Macrophages. Journal of Immunology, 2012, 188, 2464-2471.	0.8	38
44	Immunologic aspects of characteristics, diagnosis, and treatment of coronavirus disease 2019 (COVID-19). Journal of Biomedical Science, 2020, 27, 72.	7.0	36
45	Inhibitory Effects of Ethyl Acetate Extract of <i>Andrographis paniculata</i> on NF- <i>κ</i> B Trans-Activation Activity and LPS-Induced Acute Inflammation in Mice. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-9.	1.2	35
46	C-type lectins and extracellular vesicles in virus-induced NETosis. Journal of Biomedical Science, 2021, 28, 46.	7.0	32
47	EGFR-driven up-regulation of decoy receptor 3 in keratinocytes contributes to the pathogenesis of psoriasis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1538-1548.	3.8	31
48	C5L2 is required for C5a-triggered receptor internalization and ERK signaling. Cellular Signalling, 2014, 26, 1409-1419.	3.6	31
49	Induced Pluripotent Stem Cell-Derived Conditioned Medium Attenuates Acute Kidney Injury by Downregulating the Oxidative Stress-Related Pathway in Ischemia–Reperfusion Rats. Cell Transplantation, 2016, 25, 517-530.	2.5	31
50	The surface carbohydrates of the Echinococcus granulosus larva interact selectively with the rodent Kupffer cell receptor. Molecular and Biochemical Parasitology, 2013, 192, 55-59.	1.1	30
51	CLEC5A is critical for dengue virus-induced osteoclast activation and bone homeostasis. Journal of Molecular Medicine, 2016, 94, 1025-1037.	3.9	29
52	Pharmacological intervention for dengue virus infection. Biochemical Pharmacology, 2017, 129, 14-25.	4.4	29
53	Immunomodulatory effect of decoy receptor 3 on the differentiation and function of bone marrow-derived dendritic cells in nonobese diabetic mice: from regulatory mechanism to clinical implication. Journal of Leukocyte Biology, 2004, 75, 293-306.	3.3	28
54	Inhibition of Lymphotoxin-β Receptor–Mediated Cell Death by Survivin-ΔEx3. Cancer Research, 2006, 66, 3051-3061.	0.9	28

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55	Rituximab May Cause Increased Hepatitis C Virus Viremia in Rheumatoid Arthritis Patients Through Declining Exosomal MicroRNAâ€155. Arthritis and Rheumatology, 2018, 70, 1209-1219.	5.6	28
56	Nanostructured electrochemical biosensor for th0065 detection of the weak binding between the dengue virus and the CLEC5A receptor. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1335-1341.	3.3	27
57	Epstein-Barr Virus Transcription Activator Rta Upregulates Decoy Receptor 3 Expression by Binding to Its Promoter. Journal of Virology, 2007, 81, 4837-4847.	3.4	25
58	Ezrin is a negative regulator of death receptor-induced apoptosis. Oncogene, 2010, 29, 1374-1383.	5.9	25
59	Down-regulation of common NFκB-iNOS pathway by chronic Thalidomide treatment improves Hepatopulmonary Syndrome and Muscle Wasting in rats with Biliary Cirrhosis. Scientific Reports, 2016, 6, 39405.	3.3	25
60	Decoy receptor 3 promotes cell adhesion and enhances endometriosis development. Journal of Pathology, 2018, 244, 189-202.	4.5	23
61	SIGLEC-3 (CD33) serves as an immune checkpoint receptor for HBV infection. Journal of Clinical Investigation, 2021, 131, .	8.2	23
62	Development of double-generation gold nanoparticle chip-based dengue virus detection system combining fluorescence turn-on probes. Biosensors and Bioelectronics, 2016, 77, 90-98.	10.1	22
63	Seroprevalence of COVID-19 in Taiwan revealed by testing anti-SARS-CoV-2 serological antibodies on 14,765 hospital patients. The Lancet Regional Health - Western Pacific, 2020, 3, 100041.	2.9	21
64	CLEC5A: A Promiscuous Pattern Recognition Receptor to Microbes and Beyond. Advances in Experimental Medicine and Biology, 2020, 1204, 57-73.	1.6	20
65	Apoptosis-associated biomarkers in tuberculosis: promising for diagnosis and prognosis prediction. BMC Infectious Diseases, 2013, 13, 45.	2.9	19
66	Clinical presentation and outcome of adult-type granulosa cell tumors: A retrospective study of 30 patients in a single institute. Journal of the Chinese Medical Association, 2014, 77, 21-25.	1.4	19
67	Concomitant inhibition of oxidative stress and angiogenesis by chronic hydrogenâ€rich saline and <scp>N</scp> â€acetylcysteine treatments improves systemic, splanchnic and hepatic hemodynamics of cirrhotic rats. Hepatology Research, 2015, 45, 578-588.	3.4	19
68	CLEC5A and TLR2 are critical in SARS-CoV-2-induced NET formation and lung inflammation. Journal of Biomedical Science, 2022, 29, .	7.0	19
69	Human CLEC18 Gene Cluster Contains C-type Lectins with Differential Glycan-binding Specificity. Journal of Biological Chemistry, 2015, 290, 21252-21263.	3.4	18
70	Amelioration of amyloid-β-induced deficits by DcR3 in an Alzheimer's disease model. Molecular Neurodegeneration, 2017, 12, 30.	10.8	18
71	Minocycline suppresses dengue virus replication by down-regulation of macrophage migration inhibitory factor-induced autophagy. Antiviral Research, 2018, 155, 28-38.	4.1	18
72	A Potential Role of Myeloid DAP12-Associating Lectin (MDL)-1 in the Regulation of Inflammation in Rheumatoid Arthritis Patients. PLoS ONE, 2014, 9, e86105.	2.5	18

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73	Rapid generation of mouse model for emerging infectious disease with the case of severe COVID-19. PLoS Pathogens, 2021, 17, e1009758.	4.7	17
74	The immunomodulator decoy receptor 3 improves locomotor functional recovery after spinal cord injury. Journal of Neuroinflammation, 2016, 13, 154.	7.2	16
75	Altered ganglioside GD3 in HeLa cells might influence the cytotoxic abilities of NK cells. Taiwanese Journal of Obstetrics and Gynecology, 2012, 51, 199-205.	1.3	13
76	A novel <scp>TLR</scp> 2â€triggered signalling crosstalk synergistically intensifies <scp>TNF</scp> â€mediated <scp>IL</scp> â€6 induction. Journal of Cellular and Molecular Medicine, 2014, 18, 1344-1357.	3.6	13
77	Expression of human Fas ligand on mouse beta islet cells does not induce insulitis but is insufficient to confer immune privilege for islet grafts. Journal of Biomedical Science, 2001, 8, 262-269.	7.0	12
78	Expression of TNFRSF6B in kidneys is a novel predictor for progression of chronic kidney disease. Modern Pathology, 2013, 26, 984-994.	5.5	12
79	DcR3 suppresses influenza virus-induced macrophage activation and attenuates pulmonary inflammation and lethality. Journal of Molecular Medicine, 2015, 93, 1131-1143.	3.9	12
80	Serum decoy receptor 3 is a biomarker for disease severity in nonatopic asthma patients. Journal of the Formosan Medical Association, 2017, 116, 49-56.	1.7	12
81	NanoBioAnalytical characterization of extracellular vesicles in 75-nm nanofiltered human plasma for transfusion: A tool to improve transfusion safety. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 101977.	3.3	12
82	Hepatitis C Virus-Induced Exosomal MicroRNAs and Toll-Like Receptor 7 Polymorphism Regulate B-Cell Activating Factor. MBio, 2021, 12, e0276421.	4.1	12
83	Sensitization of Cells to TRAIL-induced Apoptosis by Decoy Receptor 3. Journal of Biological Chemistry, 2004, 279, 44211-44218.	3.4	11
84	Decoy Receptor 3 Suppresses TLR2-Mediated B Cell Activation by Targeting NF-κB. Journal of Immunology, 2012, 188, 5867-5876.	0.8	11
85	Decoy Receptor 3 Inhibits Monosodium Urate-Induced NLRP3 Inflammasome Activation via Reduction of Reactive Oxygen Species Production and Lysosomal Rupture. Frontiers in Immunology, 2021, 12, 638676.	4.8	11
86	Thalidomide Improves the Intestinal Mucosal Injury and Suppresses Mesenteric Angiogenesis and Vasodilatation by Down-Regulating Inflammasomes-Related Cascades in Cirrhotic Rats. PLoS ONE, 2016, 11, e0147212.	2.5	11
87	CLEC9A modulates macrophage-mediated neutrophil recruitment in response to heat-killed Mycobacterium tuberculosis H37Ra. PLoS ONE, 2017, 12, e0186780.	2.5	11
88	Increased concentration of sialidases by HeLa cells might influence the cytotoxic ability of NK cells. Taiwanese Journal of Obstetrics and Gynecology, 2012, 51, 192-198.	1.3	10
89	The role of nitric oxide in the outgrowth of trophoblast cells on human umbilical vein endothelial cells. Taiwanese Journal of Obstetrics and Gynecology, 2015, 54, 227-231.	1.3	10
90	Dectin-1-Mediated Pathway Contributes to Fusarium proliferatum-Induced CXCL-8 Release from Human Respiratory Epithelial Cells. International Journal of Molecular Sciences, 2017, 18, 624.	4.1	10

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91	Elevated Expression of C-Type Lectin Domain Family 5-Member A (CLEC5A) and Its Relation to Inflammatory Parameters and Disease Course in Adult-Onset Still's Disease. Journal of Immunology Research, 2020, 2020, 1-11.	2.2	10
92	Mechanisms of the prevention and inhibition of the progression and development of nonâ€alcoholic steatohepatitis by genetic and pharmacological decoy receptor 3 supplementation. Hepatology Research, 2017, 47, 1260-1271.	3.4	8
93	Antibody blockade of Dectin-2 suppresses house dust mite-induced Th2 cytokine production in dendritic cell- and monocyte-depleted peripheral blood mononuclear cell co-cultures from asthma patients. Journal of Biomedical Science, 2019, 26, 97.	7.0	8
94	Decoy receptor 3 analogous supplement protects steatotic rat liver from ischemia–reperfusion injury. Journal of the Chinese Medical Association, 2017, 80, 391-400.	1.4	7
95	The human C-type lectin 18 is a potential biomarker in patients with chronic hepatitis B virus infection. Journal of Biomedical Science, 2018, 25, 59.	7.0	7
96	Immunogenicity and safety of an ASO3A-adjuvanted H5N1 influenza vaccine in a Taiwanese population. Journal of the Formosan Medical Association, 2011, 110, 780-786.	1.7	6
97	The serologic decoy receptor 3 (DcR3) levels are associated with slower disease progression in HIV-1/AIDS patients. Journal of the Formosan Medical Association, 2015, 114, 498-503.	1.7	6
98	Association of C-type lectin 18 levels with extrahepatic manifestations in chronic HCV infection. Scientific Reports, 2018, 8, 17287.	3.3	6
99	Endosomal TLR3 co-receptor CLEC18A enhances host immune response to viral infection. Communications Biology, 2021, 4, 229.	4.4	6
100	Contusion Spinal Cord Injury Rat Model. Bio-protocol, 2017, 7, e2337.	0.4	6
101	Low plasma levels of decoy receptor 3 (DcR3) in the third trimester of pregnancy with preeclampsia. Taiwanese Journal of Obstetrics and Gynecology, 2019, 58, 349-353.	1.3	5
102	Expression of decoy receptor 3 in kidneys is associated with allograft survival after kidney transplant rejection. Scientific Reports, 2015, 5, 12769.	3.3	4
103	TLR4/CD14 Variants-Related Serologic and Immunologic Dys-Regulations Predict Severe Sepsis in Febrile De-Compensated Cirrhotic Patients. PLoS ONE, 2016, 11, e0166458.	2.5	4
104	Transgenic Expression of Human C-Type Lectin Protein CLEC18A Reduces Dengue Virus Type 2 Infectivity in Aedes aegypti. Frontiers in Immunology, 2021, 12, 640367.	4.8	4
105	Decoy Receptor 3 Suppresses T-Cell Priming and Promotes Apoptosis of Effector T-Cells in Acute Cell-Mediated Rejection: The Role of Reverse Signaling. Frontiers in Immunology, 2022, 13, .	4.8	4
106	Targeting C-Type Lectin for the Treatment of Flavivirus Infections. Advances in Experimental Medicine and Biology, 2011, 705, 769-776.	1.6	3
107	The DAP12-Associated Myeloid C-Type Lectin 5A (CLEC5A). , 2016, , 35-48.		2
108	Expression of Human Fas Ligand on Mouse Beta Islet Cells Does Not Induce Insulitis but Is Insufficient to Confer Immune Privilege for Islet Grafts. Journal of Biomedical Science, 2001, 8, 262-269.	7.0	2

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109	Decoy receptor 3 is involved in epidermal keratinocyte commitment to terminal differentiation via EGFR and PKC activation. Experimental and Molecular Medicine, 2022, 54, 542-551.	7.7	2
110	Response: Decoy receptor 3 (DcR3), a pleiotropic immunomodulator. Blood, 2008, 112, 916-917.	1.4	1
111	Investigation of the extremely weak interaction between the Japanese encephalitis virus and CLEC5A using a multivalent-interaction-enhancement sensing electrode. Biosensors and Bioelectronics: X, 2019, 2, 100024.	1.7	1
112	Decoy Receptor 3 Expression Is Associated With Wild-Type EGFR Status, Poor Differentiation of Tumor, and Unfavorable Patient Outcome. American Journal of Clinical Pathology, 2019, 152, 207-216.	0.7	1
113	Decoy Receptor 3., 2011, , 1071-1072.		1
114	Detection of CLEC5A-JEV Interaction by ELISA. Bio-protocol, 2012, 2, .	0.4	1
115	Nanofiltration of extracellular vesicles from human plasma & their on-chip qualification and quantification with a NanoBioAnalytical platform. Meta Gene, 2018, 17, S7.	0.6	0
116	Decoy Receptor 3., 2015, , 1317-1319.		0
117	Anti-Dectin-2 monoclonal antibodies suppress DerP-induced IL-5 and IL-13 production in DC and monocyte-depleted PBMC coculture from asthma patients. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-4-7.	0.0	0
118	Decoy Receptor 3. , 2008, , 831-833.		0
119	Human rs75776403 polymorphism links differential phenotypic and clinical outcomes to a CLEC18A p.T151M-driven multiomics. Journal of Biomedical Science, 2022, 29, .	7.0	0