

Yan Shi

List of Publications by Year in descending order

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119
papers

11,491
citations

50170

46
h-index

29081

104
g-index

121
all docs

121
docs citations

121
times ranked

19592
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Genomic Characterization of Papillary Thyroid Carcinoma. <i>Cell</i> , 2014, 159, 676-690.	13.5	2,318
2	Molecular identification of a danger signal that alerts the immune system to dying cells. <i>Nature</i> , 2003, 425, 516-521.	13.7	1,504
3	Comprehensive Molecular Characterization of Papillary Renal-Cell Carcinoma. <i>New England Journal of Medicine</i> , 2016, 374, 135-145.	13.9	1,040
4	MyD88-dependent IL-1 receptor signaling is essential for gouty inflammation stimulated by monosodium urate crystals. <i>Journal of Clinical Investigation</i> , 2006, 116, 2262-2271.	3.9	402
5	Calcium oxalate crystals induce renal inflammation by NLRP3-mediated IL-1 β secretion. <i>Journal of Clinical Investigation</i> , 2013, 123, 236-246.	3.9	364
6	Alum interaction with dendritic cell membrane lipids is essential for its adjuvanticity. <i>Nature Medicine</i> , 2011, 17, 479-487.	15.2	361
7	Receptor-Independent, Direct Membrane Binding Leads to Cell-Surface Lipid Sorting and Syk Kinase Activation in Dendritic Cells. <i>Immunity</i> , 2008, 29, 807-818.	6.6	252
8	Epidermal photonic devices for quantitative imaging of temperature and thermal transport characteristics of the skin. <i>Nature Communications</i> , 2014, 5, 4938.	5.8	227
9	Inflammasome-mediated regulation of hepatic stellate cells. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G1248-G1257.	1.6	198
10	Epidermal devices for noninvasive, precise, and continuous mapping of macrovascular and microvascular blood flow. <i>Science Advances</i> , 2015, 1, e1500701.	4.7	189
11	The Role of Uric Acid as an Endogenous Danger Signal in Immunity and Inflammation. <i>Current Rheumatology Reports</i> , 2011, 13, 160-166.	2.1	185
12	Using ecosystem service bundles to detect trade-offs and synergies across urban-rural complexes. <i>Landscape and Urban Planning</i> , 2015, 136, 110-121.	3.4	180
13	Tumour CD274 (PD-L1) expression and T cells in colorectal cancer. <i>Gut</i> , 2017, 66, 1463-1473.	6.1	173
14	The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. <i>Cell</i> , 2018, 175, 1059-1073.e21.	13.5	148
15	miR-301a promotes intestinal mucosal inflammation through induction of IL-17A and TNF- α in IBD. <i>Gut</i> , 2016, 65, 1938-1950.	6.1	137
16	Inflammatory Flt3l is essential to mobilize dendritic cells and for T cell responses during Plasmodium infection. <i>Nature Medicine</i> , 2013, 19, 730-738.	15.2	134
17	Natural endogenous adjuvants. <i>Seminars in Immunopathology</i> , 2005, 26, 231-246.	4.0	132
18	Mechanotransduction-modulated fibrotic microniches reveal the contribution of angiogenesis in liver fibrosis. <i>Nature Materials</i> , 2017, 16, 1252-1261.	13.3	132

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19	Monosodium urate crystals in inflammation and immunity. <i>Immunological Reviews</i> , 2010, 233, 203-217.	2.8	125
20	Adenosine Deamination Sustains Dendritic Cell Activation in Inflammation. <i>Journal of Immunology</i> , 2007, 179, 1884-1892.	0.4	121
21	Generation of Naive Induced Pluripotent Stem Cells from Rhesus Monkey Fibroblasts. <i>Cell Stem Cell</i> , 2014, 15, 488-497.	5.2	110
22	Chitosan nanoparticle-mediated delivery of miRNA-34a decreases prostate tumor growth in the bone and its expression induces non-canonical autophagy. <i>Oncotarget</i> , 2015, 6, 29161-29177.	0.8	105
23	Activation of NLRP3 inflammasome by crystalline structures via cell surface contact. <i>Scientific Reports</i> , 2014, 4, 7281.	1.6	102
24	Peripheral Lymphoid Volume Expansion and Maintenance Are Controlled by Gut Microbiota via RALDH+ Dendritic Cells. <i>Immunity</i> , 2016, 44, 330-342.	6.6	99
25	Cell death releases endogenous adjuvants that selectively enhance immune surveillance of particulate antigens. <i>European Journal of Immunology</i> , 2002, 32, 155-162.	1.6	96
26	A Structural Change in Butyrophilin upon Phosphoantigen Binding Underlies Phosphoantigen-Mediated V β 9V β 2 Δ T Cell Activation. <i>Immunity</i> , 2019, 50, 1043-1053.e5.	6.6	94
27	Inflammasome components Asc and caspase-1 mediate biomaterial-induced inflammation and foreign body response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20095-20100.	3.3	91
28	Optics and Nonlinear Buckling Mechanics in Large-Area, Highly Stretchable Arrays of Plasmonic Nanostructures. <i>ACS Nano</i> , 2015, 9, 5968-5975.	7.3	87
29	Cutting Edge: Elimination of an Endogenous Adjuvant Reduces the Activation of CD8 T Lymphocytes to Transplanted Cells and in an Autoimmune Diabetes Model. <i>Journal of Immunology</i> , 2006, 176, 3905-3908.	0.4	76
30	Sorption and retention of diclofenac on zeolite in the presence of cationic surfactant. <i>Journal of Hazardous Materials</i> , 2017, 323, 584-592.	6.5	74
31	<i>Pseudomonas aeruginosa</i> quorum-sensing metabolite induces host immune cell death through cell surface lipid domain dissolution. <i>Nature Microbiology</i> , 2019, 4, 97-111.	5.9	71
32	Strong adhesion by regulatory T cells induces dendritic cell cytoskeletal polarization and contact-dependent lethargy. <i>Journal of Experimental Medicine</i> , 2017, 214, 327-338.	4.2	68
33	Integrin-Induced PIP5K1C Kinase Polarization Regulates Neutrophil Polarization, Directionality, and In Vivo Infiltration. <i>Immunity</i> , 2010, 33, 340-350.	6.6	66
34	Profiling the origin, dynamics, and function of traction force in B cell activation. <i>Science Signaling</i> , 2018, 11, .	1.6	59
35	Caught red-handed: uric acid is an agent of inflammation. <i>Journal of Clinical Investigation</i> , 2010, 120, 1809-1811.	3.9	58
36	Diversity index of mucosal resident T lymphocyte repertoire predicts clinical prognosis in gastric cancer. <i>Oncolmmunology</i> , 2015, 4, e1001230.	2.1	57

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37	Immunoregulatory functions of immune complexes in vaccine and therapy. <i>EMBO Molecular Medicine</i> , 2016, 8, 1120-1133.	3.3	57
38	Requirement of CHROMOMETHYLASE3 for somatic inheritance of the spontaneous tomato epimutation Colourless non-ripening. <i>Scientific Reports</i> , 2015, 5, 9192.	1.6	56
39	Novel patient-derived xenograft and cell line models for therapeutic testing of pediatric liver cancer. <i>Journal of Hepatology</i> , 2016, 65, 325-333.	1.8	56
40	Extending surfactant-modified 2:1 clay minerals for the uptake and removal of diclofenac from water. <i>Journal of Hazardous Materials</i> , 2017, 323, 567-574.	6.5	56
41	A Role of IgM Antibodies in Monosodium Urate Crystal Formation and Associated Adjuvanticity. <i>Journal of Immunology</i> , 2009, 182, 1912-1918.	0.4	55
42	MicroRNA <i>MIR21</i> (miR-21) and PTGS2 Expression in Colorectal Cancer and Patient Survival. <i>Clinical Cancer Research</i> , 2016, 22, 3841-3848.	3.2	53
43	CD8+ T cells are predominantly protective and required for effective steroid therapy in murine models of immune thrombocytopenia. <i>Blood</i> , 2015, 126, 247-256.	0.6	51
44	mTOR ATP-competitive inhibitor INK128 inhibits neuroblastoma growth via blocking mTORC signaling. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 50-62.	2.2	50
45	Alum: an old dog with new tricks. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-5.	3.0	49
46	More sustainable electricity generation in hot and dry fuel cells with a novel hybrid membrane of Nafion/nano-silica/hydroxyl ionic liquid. <i>Applied Energy</i> , 2016, 175, 451-458.	5.1	48
47	Matrix-transmitted paratensile signaling enables myofibroblast fibroblast cross talk in fibrosis expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10832-10838.	3.3	48
48	Short Antimicrobial Lipopeptide-CAA Hybrid Peptides. <i>ChemBioChem</i> , 2014, 15, 2275-2280.	1.3	44
49	A Membrane Potential- and Calpain-Dependent Reversal of Caspase-1 Inhibition Regulates Canonical NLRP3 Inflammasome. <i>Cell Reports</i> , 2018, 24, 2356-2369.e5.	2.9	44
50	Fusarium fruiting body microbiome member <i>Pantoea agglomerans</i> inhibits fungal pathogenesis by targeting lipid rafts. <i>Nature Microbiology</i> , 2022, 7, 831-843.	5.9	44
51	Novel ALK inhibitor AZD3463 inhibits neuroblastoma growth by overcoming crizotinib resistance and inducing apoptosis. <i>Scientific Reports</i> , 2016, 6, 19423.	1.6	42
52	A phosphatidylinositol 4,5-bisphosphate redistribution-based sensing mechanism initiates a phagocytosis programing. <i>Nature Communications</i> , 2018, 9, 4259.	5.8	42
53	Materials and Wireless Microfluidic Systems for Electronics Capable of Chemical Dissolution on Demand. <i>Advanced Functional Materials</i> , 2015, 25, 1338-1343.	7.8	41
54	Substrate stiffness governs the initiation of B cell activation by the concerted signaling of PKC β and focal adhesion kinase. <i>ELife</i> , 2017, 6, .	2.8	40

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55	Chiral separation and determination of R/S-methamphetamine and its metabolite R/S-amphetamine in urine using LC-MS/MS. <i>Forensic Science International</i> , 2015, 246, 72-78.	1.3	39
56	Acupuncture-Point Stimulation for Postoperative Pain Control: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-28.	0.5	37
57	Redirecting soluble antigen for MHC class I cross-presentation during phagocytosis. <i>European Journal of Immunology</i> , 2015, 45, 383-395.	1.6	37
58	Depletion of the diabetic gut microbiota resistance enhances stem cells therapy in type 1 diabetes mellitus. <i>Theranostics</i> , 2020, 10, 6500-6516.	4.6	37
59	Roles of dopamine receptors and their antagonist thioridazine in hepatoma metastasis. <i>OncoTargets and Therapy</i> , 2015, 8, 1543.	1.0	36
60	Microcatheter-assisted trabeculotomy versus rigid probe trabeculotomy in childhood glaucoma. <i>British Journal of Ophthalmology</i> , 2016, 100, 1257-1262.	2.1	36
61	An expanding stage for commensal microbes in host immune regulation. <i>Cellular and Molecular Immunology</i> , 2017, 14, 339-348.	4.8	35
62	CDK4-mediated MnSOD activation and mitochondrial homeostasis in radioadaptive protection. <i>Free Radical Biology and Medicine</i> , 2015, 81, 77-87.	1.3	34
63	Class II MHC-independent suppressive adhesion of dendritic cells by regulatory T cells in vivo. <i>Journal of Experimental Medicine</i> , 2017, 214, 319-326.	4.2	32
64	Critical Role of Regulatory T Cells in the Latency and Stress-Induced Reactivation of HSV-1. <i>Cell Reports</i> , 2018, 25, 2379-2389.e3.	2.9	32
65	Direct evidence for the semipersistent transmission of Cucurbit chlorotic yellows virus by a whitefly vector. <i>Scientific Reports</i> , 2016, 6, 36604.	1.6	30
66	Genetic distribution of 39 STR loci in 1027 unrelated Han individuals from Northern China. <i>Forensic Science International: Genetics</i> , 2015, 19, 205-206.	1.6	28
67	dbSAP: single amino-acid polymorphism database for protein variation detection. <i>Nucleic Acids Research</i> , 2017, 45, D827-D832.	6.5	27
68	Numerical simulation of volume-controlled mechanical ventilated respiratory system with 2 different lungs. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017, 33, e2852.	1.0	24
69	High Levels of Adenosine Deaminase on Dendritic Cells Promote Autoreactive T Cell Activation and Diabetes in Nonobese Diabetic Mice. <i>Journal of Immunology</i> , 2011, 186, 6798-6806.	0.4	23
70	Cholesterol Crystal-Mediated Inflammation Is Driven by Plasma Membrane Destabilization. <i>Frontiers in Immunology</i> , 2018, 9, 1163.	2.2	23
71	Identification of a Novel Coregulator, SH3YL1, That Interacts With the Androgen Receptor N-Terminus. <i>Molecular Endocrinology</i> , 2015, 29, 1426-1439.	3.7	22
72	A global molecular phylogeny and timescale of evolution for <i>Cryptocercus</i> woodroaches. <i>Molecular Phylogenetics and Evolution</i> , 2016, 98, 201-209.	1.2	22

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73	Cross-cultural evidence for the two-facet structure of pride. <i>Journal of Research in Personality</i> , 2015, 55, 61-74.	0.9	20
74	CXXC5 is required for cardiac looping relating to TGF β 2 signaling pathway in zebrafish. <i>International Journal of Cardiology</i> , 2016, 214, 246-253.	0.8	20
75	Enantiomer Profiling of Methamphetamine in White Crystal and Tablet Forms (Ma Old) Using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2015, 39, 551-556.	1.7	19
76	Substrate stiffness orchestrates epithelial cellular heterogeneity with controlled proliferative pattern via E-cadherin/ β 2-catenin mechanotransduction. <i>Acta Biomaterialia</i> , 2016, 41, 169-180.	4.1	19
77	Pathology-targeted cell delivery via injectable micro-scaffold capsule mediated by endogenous TGase. <i>Biomaterials</i> , 2017, 126, 1-9.	5.7	19
78	Precise Spatiotemporal Interruption of Regulatory T-cell-Mediated CD8+ T-cell Suppression Leads to Tumor Immunity. <i>Cancer Research</i> , 2019, 79, 585-597.	0.4	19
79	The mitochondrial genome of booklouse, <i>Liposcelis sculptilis</i> (Psocoptera: Liposcelididae) and the evolutionary timescale of <i>Liposcelis</i> . <i>Scientific Reports</i> , 2016, 6, 30660.	1.6	18
80	Recent Developments in Immune Activation by Uric Acid Crystals. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2010, 58, 273-277.	1.0	17
81	To forge a solid immune recognition. <i>Protein and Cell</i> , 2012, 3, 564-570.	4.8	17
82	Simultaneous quantification of the major bile acids in Artificial <i>Calculus bovis</i> by high-performance liquid chromatography with precolumn derivatization and its application in quality control. <i>Journal of Separation Science</i> , 2015, 38, 2753-2762.	1.3	16
83	The Influence of LepR Tyrosine Site Mutations on Mouse Ovary Development and Related Gene Expression Changes. <i>PLoS ONE</i> , 2015, 10, e0141800.	1.1	16
84	Neuropilin-1 (NRP-1) and Magnetic Nanoparticles, a Potential Combination for Diagnosis and Therapy of Gliomas. <i>Current Pharmaceutical Design</i> , 2015, 21, 5434-5449.	0.9	15
85	Pulsed high-dose dexamethasone modulates Th1-/Th2-chemokine imbalance in immune thrombocytopenia. <i>Journal of Translational Medicine</i> , 2016, 14, 301.	1.8	14
86	Quantitative proteomic analysis of cell envelope preparations under iron starvation stress in <i>Aeromonas hydrophila</i> . <i>BMC Microbiology</i> , 2016, 16, 161.	1.3	13
87	Combining β 2 T Cells with a Lipophilic Bisphosphonate Efficiently Kills Activated Hepatic Stellate Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1381.	2.2	13
88	Infectious clones of the crinivirus cucurbit chlorotic yellows virus are competent for plant systemic infection and vector transmission. <i>Journal of General Virology</i> , 2016, 97, 1458-1461.	1.3	13
89	Suppression of established hepatocarcinoma in adjuvant only immunotherapy: alum triggers anti-tumor CD8+ T cell response. <i>Scientific Reports</i> , 2015, 5, 17695.	1.6	11
90	Comparative effectiveness of combined therapy inhibiting EGFR and VEGF pathways in patients with advanced non-small-cell lung cancer: a meta-analysis of 16 phase II/III randomized trials. <i>Oncotarget</i> , 2017, 8, 7014-7024.	0.8	11

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91	Evaluation of Follicular Synchronization Caused by Estrogen Administration and Its Reproductive Outcome. PLoS ONE, 2015, 10, e0127595.	1.1	10
92	Modified Canaloplasty: A New, Effective, and Safe Option for Glaucoma Patients With a Disrupted Schlemm Canal Wall. Journal of Glaucoma, 2016, 25, 798-801.	0.8	10
93	Dlg1 Maintains Dendritic Cell Function by Securing Voltage-Gated K ⁺ Channel Integrity. Journal of Immunology, 2019, 202, 3187-3197.	0.4	10
94	Adenosine mediated desensitization of cAMP signaling enhances T _H 1 cell responses. European Journal of Immunology, 2010, 40, 449-459.	1.6	9
95	One-year interim comparison of canaloplasty in primary open-angle glaucoma following failed filtering surgery with primary canaloplasty. British Journal of Ophthalmology, 2016, 100, 1692-1696.	2.1	8
96	Functional analysis of PI-like gene in relation to flower development from bamboo (Bambusa) Tj ETQq0 0 0 rgBT /Overlock 10,7f 50 542	0.4	7
97	AtPID: a genome-scale resource for genotype-phenotype associations in Arabidopsis. Nucleic Acids Research, 2017, 45, D1060-D1063.	6.5	7
98	Systematic Overview of Solid Particles and Their Host Responses. Frontiers in Immunology, 2018, 9, 1157.	2.2	7
99	Comparison of the Wells score with the revised Geneva score for assessing pretest probability of pulmonary embolism in hospitalized elderly patients. European Journal of Internal Medicine, 2016, 36, e18-e19.	1.0	6
100	Induced Regulatory T Cells Superimpose Their Suppressive Capacity with Effector T Cells in Lymph Nodes via Antigen-Specific S1p1-Dependent Egress Blockage. Frontiers in Immunology, 2017, 8, 663.	2.2	6
101	Immune Complex Vaccination. Current Topics in Microbiology and Immunology, 2019, 423, 95-118.	0.7	6
102	Therapeutic (High) Doses of Rituximab Activate Calcium Mobilization and Inhibit B-cell Growth via an Unusual Mechanism Triggered Independently of Both CD20 and Fcγ ₃ Receptors. Journal of Immunotherapy, 2010, 33, 30-39.	1.2	5
103	Over-Expression of the Mycobacterial Trehalose-Phosphate Phosphatase OtsB2 Results in a Defect in Macrophage Phagocytosis Associated with Increased Mycobacterial-Macrophage Adhesion. Frontiers in Microbiology, 2016, 7, 1754.	1.5	5
104	Discovery and Preclinical Evaluation of BMS-711939, an Oxybenzylglycine Based PPAR α Selective Agonist. ACS Medicinal Chemistry Letters, 2016, 7, 590-594.	1.3	5
105	Toward a Membrane-Centric Biology. Frontiers in Immunology, 2020, 11, 1909.	2.2	5
106	Adenosine primes resting stage dendritic cells before their activation. Biochemical and Biophysical Research Communications, 2009, 380, 748-751.	1.0	4
107	Efficient link scheduling with joint power control and successive interference cancellation in wireless networks. Science China Information Sciences, 2016, 59, 1.	2.7	4
108	Contact-dependent delivery of IL-2 by dendritic cells to CD4 T cells in the contraction phase promotes their long-term survival. Protein and Cell, 2020, 11, 108-123.	4.8	4

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109	Two proteins of Cucurbit chlorotic yellows virus, P59 and P9, are self-interacting. <i>Virus Genes</i> , 2015, 51, 152-155.	0.7	3
110	Concurrent copy number variations on chromosome 8 and 22 combined with mutation at FGA locus revealed in a parentage testing case. <i>Forensic Science International: Genetics</i> , 2015, 19, 81-85.	1.6	3
111	Disruption of key GTPase regulators of endocytic recycling compartment does not interfere with soluble antigen crosspresentation in dendritic cells. <i>Cellular and Molecular Immunology</i> , 2016, 13, 554-556.	4.8	3
112	Intracellular Potassium Ion Measurements by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). <i>Methods in Molecular Biology</i> , 2022, 2459, 85-92.	0.4	3
113	Infralimbic Endothelin1 Is Critical for the Modulation of Anxiety-Like Behaviors. <i>Molecular Neurobiology</i> , 2016, 53, 2054-2064.	1.9	2
114	N-(3-Oxododecanoyl) Homoserine Lactone Is a Generalizable Plasma Membrane Lipid-Ordered Domain Modifier. <i>Frontiers in Physiology</i> , 2021, 12, 758458.	1.3	1
115	Effect Of Competitive Taekwondo Training On Physical Fitness And Psychological Well-being Among College Students. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 280.	0.2	0
116	Effects Of Physical Fitness Training On Psychological Well-being Among College Students With Varied Exercise Experiences. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1057.	0.2	0
117	Other Modern Methods for Studying Biomembranes. , 2018, , 393-421.		0
118	Functionalization of Atomic Force Microscope Cantilevers with Single-T Cells or Single-Particle for Immunological Single-Cell Force Spectroscopy. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	0
119	Detection of artificial musk in Xihuangwan by gas chromatography-mass spectrometry. <i>Zhongguo Yi Xue Ke Xue Yuan Xue Bao Acta Academiae Medicinae Sinicae</i> , 2014, 36, 591-8.	0.2	0