Siqi Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

96	13,584	66234	51492
papers	citations	42 h-index	86 g-index

97	97	97	23166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conversion of effector CD4+ T cells to a CD8+ MHC II-recognizing lineage. Cellular and Molecular Immunology, 2021, 18, 150-161.	4.8	12
2	Lineage Tracking the Generation of T Regulatory Cells From Microbial Activated T Effector Cells in NaÃ¯ve Mice. Frontiers in Immunology, 2020, 10, 3109.	2.2	5
3	TCR repertoire and CDR3 motif analyses depict the role of Î±Î² T cells in Ankylosing spondylitis. EBioMedicine, 2019, 47, 414-426.	2.7	32
4	Gene co-expression network analysis identifies trait-related modules in Arabidopsis thaliana. Planta, 2019, 249, 1487-1501.	1.6	44
5	Rapid evolution of protein diversity by de novo origination in Oryza. Nature Ecology and Evolution, 2019, 3, 679-690.	3.4	121
6	Preparation of mesoporous crack-free Sb-SnO2 xerogels through ambient-pressure drying and its application as three-dimensional electrode. Journal of Sol-Gel Science and Technology, 2018, 86, 479-492.	1.1	4
7	Automated 3D Soma Segmentation with Morphological Surface Evolution for Neuron Reconstruction. Neuroinformatics, 2018, 16, 153-166.	1.5	15
8	Quantitative Evaluation of Serum Proteins Uncovers a Protein Signature Related to Maturity-Onset Diabetes of the Young (MODY). Journal of Proteome Research, 2018, 17, 670-679.	1.8	4
9	Memory and Time Efficient 3D Neuron Morphology Tracing in Large-Scale Images. , 2018, , .		8
10	Late-stage tumors induce anemia and immunosuppressive extramedullary erythroid progenitor cells. Nature Medicine, 2018, 24, 1536-1544.	15.2	112
11	Reagents for Isobaric Labeling Peptides in Quantitative Proteomics. Analytical Chemistry, 2018, 90, 12366-12371.	3.2	33
12	Automated 3-D Neuron Tracing With Precise Branch Erasing and Confidence Controlled Back Tracking. IEEE Transactions on Medical Imaging, 2018, 37, 2441-2452.	5.4	45
13	Lipidomic profiling reveals distinct differences in plasma lipid composition in healthy, prediabetic, and type 2 diabetic individuals. GigaScience, 2017, 6, 1-12.	3.3	49
14	UHRF1 is required for basal stem cell proliferation in response to airway injury. Cell Discovery, 2017, 3, 17019.	3.1	27
15	Theoretical and experimental insights into the Â·OH-mediated mineralization mechanism of flutriafol. Electrochimica Acta, 2017, 235, 223-232.	2.6	20
16	Improved degradation of the aqueous flutriafol using a nanostructure macroporous PbO2 as reactive electrochemical membrane. Electrochimica Acta, 2017, 253, 357-367.	2.6	60
17	An immunosuppressive function of interleukin-35 in chronic hepatitis C virus infection. International Immunopharmacology, 2017, 50, 87-94.	1.7	30
18	Improvement of peptide identification with considering the abundance of mRNA and peptide. BMC Bioinformatics, 2017, 18, 109.	1.2	7

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19	Automatic 3D Single Neuron Reconstruction with Exhaustive Tracing. , 2017, , .		4
20	A Combinational Strategy upon RNA Sequencing and Peptidomics Unravels a Set of Novel Toxin Peptides in Scorpion Mesobuthus martensii. Toxins, 2016, 8, 286.	1.5	8
21	On-Demand and Reliable vSD-EON Provisioning with Correlated Data and Control Plane Embedding. , 2016, , .		5
22	Rivulet: 3D Neuron Morphology Tracing with Iterative Back-Tracking. Neuroinformatics, 2016, 14, 387-401.	1.5	71
23	The tumor microenvironment disarms CD8⁺ T lymphocyte function via a miR-26a-EZH2 axis. OncoImmunology, 2016, 5, e1245267.	2.1	15
24	Photo-induced transformation process at gold clusters-semiconductor interface: Implications for the complexity of gold clusters-based photocatalysis. Scientific Reports, 2016, 6, 22742.	1.6	77
25	PGA: an R/Bioconductor package for identification of novel peptides using a customized database derived from RNA-Seq. BMC Bioinformatics, 2016, 17, 244.	1.2	48
26	A Comprehensive Investigation toward the Indicative Proteins of Bladder Cancer in Urine: From Surveying Cell Secretomes to Verifying Urine Proteins. Journal of Proteome Research, 2016, 15, 2164-2177.	1.8	19
27	Discovery of potential colorectal cancer serum biomarkers through quantitative proteomics on the colonic tissue interstitial fluids from the AOMâ€“DSS mouse model. Journal of Proteomics, 2016, 132, 31-40.	1.2	28
28	Pairwise Latent Semantic Association for Similarity Computation in Medical Imaging. IEEE Transactions on Biomedical Engineering, 2016, 63, 1058-1069.	2.5	19
29	Analysis of the Rab GTPase Interactome in Dendritic Cells Reveals Anti-microbial Functions of the Rab32 Complex in Bacterial Containment. Immunity, 2016, 44, 422-437.	6.6	42
30	MicroRNA-23a Curbs Necrosis during Early T Cell Activation by Enforcing Intracellular Reactive Oxygen Species Equilibrium. Immunity, 2016, 44, 568-581.	6.6	47
31	Metabolomics research on Tibetan medicinal substances. Journal of Traditional Chinese Medical Sciences, 2015, 2, 127-131.	0.1	0
32	Longitudinal brain MR retrieval with diffeomorphic demons registration: What happened to those patients with similar changes?. , 2015, , .		11
33	Multimodal neuroimaging computing: a review of the applications in neuropsychiatric disorders. Brain Informatics, 2015, 2, 167-180.	1.8	115
34	Subject-centered multi-view feature fusion for neuroimaging retrieval and classification. , 2015, , .		2
35	1D CdS nanowireâ€“2D BiVO₄ nanosheet heterostructures toward photocatalytic selective fine-chemical synthesis. RSC Advances, 2015, 5, 16476-16483.	1.7	60
36	Quest for Missing Proteins: Update 2015 on Chromosome-Centric Human Proteome Project. Journal of Proteome Research, 2015, 14, 3415-3431.	1.8	53

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37	Multimodal Neuroimaging Feature Learning for Multiclass Diagnosis of Alzheimer's Disease. IEEE Transactions on Biomedical Engineering, 2015, 62, 1132-1140.	2.5	432
38	One-dimension-based spatially ordered architectures for solar energy conversion. Chemical Society Reviews, 2015, 44, 5053-5075.	18.7	367
39	Multimodal neuroimaging computing: the workflows, methods, and platforms. Brain Informatics, 2015, 2, 181-195.	1.8	22
40	Appraisal of the Missing Proteins Based on the mRNAs Bound to Ribosomes. Journal of Proteome Research, 2015, 14, 4976-4984.	1.8	1
41	Insights from ENCODE on Missing Proteins: Why Î²-Defensin Expression Is Scarcely Detected. Journal of Proteome Research, 2015, 14, 3635-3644.	1.8	8
42	Waltzing with the Versatile Platform of Graphene to Synthesize Composite Photocatalysts. Chemical Reviews, 2015, 115, 10307-10377.	23.0	1,017
43	Electrostatic self-assembly of CdS nanowires-nitrogen doped graphene nanocomposites for enhanced visible light photocatalysis. Journal of Energy Chemistry, 2015, 24, 145-156.	7.1	35
44	Constructing one-dimensional silver nanowire-doped reduced graphene oxide integrated with CdS nanowire network hybrid structures toward artificial photosynthesis. Nanoscale, 2015, 7, 861-866.	2.8	81
45	Abstract P5-07-08: Identification and characterization of a new TIMP-1 binding protein. , 2015, , .		3
46	One-dimensional Nanostructures for Photocatalytic Organic Synthesis. Current Organic Chemistry, 2015, 19, 484-497.	0.9	11
47	Identification of Differentially-expressed Genes in Intestinal Gastric Cancer by Microarray Analysis. Genomics, Proteomics and Bioinformatics, 2014, 12, 276-283.	3.0	16
48	MeCP2 Reinforces STAT3 Signaling and the Generation of Effector CD4 ⁺ T Cells by Promoting miR-124â€“Mediated Suppression of SOCS5. Science Signaling, 2014, 7, ra25.	1.6	55
49	Propagation graph fusion for multi-modal medical content-based retrieval. , 2014, , .		10
50	RiceWiki: a wiki-based database for community curation of rice genes. Nucleic Acids Research, 2014, 42, D1222-D1228.	6.5	19
51	Whole genome sequencing of Ethiopian highlanders reveals conserved hypoxia tolerance genes. Genome Biology, 2014, 15, R36.	13.9	71
52	MFAP3L activation promotes colorectal cancer cell invasion and metastasis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1423-1432.	1.8	15
53	NitroDIGE analysis reveals inhibition of protein S-nitrosylation by epigallocatechin gallates in lipopolysaccharide-stimulated microglial cells. Journal of Neuroinflammation, 2014, 11, 17.	3.1	26
54	Omics Evidence: Single Nucleotide Variants Transmissions on Chromosome 20 in Liver Cancer Cell Lines. Journal of Proteome Research, 2014, 13, 200-211.	1.8	14

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55	Nanocomposites of graphene-CdS as photoactive and reusable catalysts for visible-light-induced selective reduction process. Journal of Energy Chemistry, 2014, 23, 145-155.	7.1	23
56	Coreâ€“Shell Structured Nanocomposites for Photocatalytic Selective Organic Transformations. Particle and Particle Systems Characterization, 2014, 31, 540-556.	1.2	51
57	Systematic Analyses of the Transcriptome, Translatome, and Proteome Provide a Global View and Potential Strategy for the C-HPP. Journal of Proteome Research, 2014, 13, 38-49.	1.8	60
58	Surface charge promotes the synthesis of large, flat structured grapheneâ€“(CdS) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (nanowi Materials Chemistry A, 2014, 2, 430-440.	5.2	112
59	miR-17-92 Cluster Targets Phosphatase and Tensin Homology and Ikaros Family Zinc Finger 4 to Promote TH17-mediated Inflammation. Journal of Biological Chemistry, 2014, 289, 12446-12456.	1.6	128
60	MeCP2 enforces Foxp3 expression to promote regulatory T cellsâ€™ resilience to inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2807-16.	3.3	53
61	Early diagnosis of Alzheimer's disease with deep learning. , 2014, , .		273
62	One-dimensional nanostructure based materials for versatile photocatalytic applications. RSC Advances, 2014, 4, 12685.	1.7	205
63	A nanotree-like CdS/ZnO nanocomposite with spatially branched hierarchical structure for photocatalytic fine-chemical synthesis. Nanoscale, 2014, 6, 7193.	2.8	99
64	A simple yet efficient visible-light-driven CdS nanowires-carbon nanotube 1Dâ€“1D nanocomposite photocatalyst. Journal of Catalysis, 2014, 309, 146-155.	3.1	161
65	Development of new EST-derived SSRs in Salvia miltiorrhiza (Labiatae) in China and preliminary analysis of genetic diversity and population structure. Biochemical Systematics and Ecology, 2013, 51, 308-313.	0.6	7
66	Efficient electrostatic self-assembly of one-dimensional CdSâ€“Au nanocomposites with enhanced photoactivity, not the surface plasmon resonance effect. Nanoscale, 2013, 5, 9330.	2.8	64
67	First Proteomic Exploration of Protein-Encoding Genes on Chromosome 1 in Human Liver, Stomach, and Colon. Journal of Proteome Research, 2013, 12, 67-80.	1.8	20
68	Qualitative and Quantitative Expression Status of the Human Chromosome 20 Genes in Cancer Tissues and the Representative Cell Lines. Journal of Proteome Research, 2013, 12, 151-161.	1.8	19
69	An Efficient Self-Assembly of CdS Nanowiresâ€“Reduced Graphene Oxide Nanocomposites for Selective Reduction of Nitro Organics under Visible Light Irradiation. Journal of Physical Chemistry C, 2013, 117, 8251-8261.	1.5	186
70	Synthesis of Uniform CdS Nanospheres/Graphene Hybrid Nanocomposites and Their Application as Visible Light Photocatalyst for Selective Reduction of Nitro Organics in Water. ACS Applied Materials & Interfaces, 2013, 5, 4309-4319.	4.0	227
71	Size effect induced activity enhancement and anti-photocorrosion of reduced graphene oxide/ZnO composites for degradation of organic dyes and reduction of Cr(VI) in water. Applied Catalysis B: Environmental, 2013, 140-141, 598-607.	10.8	202
72	A cancer/testis antigen microarray to screen autoantibody biomarkers of non-small cell lung cancer. Cancer Letters, 2013, 328, 160-167.	3.2	37

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73	Proteome Atlas of Human Chromosome 8 and Its Multiple 8p Deficiencies in Tumorigenesis of the Stomach, Colon, and Liver. Journal of Proteome Research, 2013, 12, 81-88.	1.8	13
74	Synthesis of One-Dimensional CdS@TiO₂ Coreâ€“Shell Nanocomposites Photocatalyst for Selective Redox: The Dual Role of TiO₂ Shell. ACS Applied Materials & Interfaces, 2012, 4, 6378-6385.	4.0	345
75	An On-Target Desalting and Concentration Sample Preparation Protocol for MALDI-MS and MS/MS Analysis. , 2012, 909, 17-28.		1
76	Recent progress on metal core@semiconductor shell nanocomposites as a promising type of photocatalyst. Nanoscale, 2012, 4, 2227.	2.8	380
77	Regular Patterns for Proteome-Wide Distribution of Protein Abundance across Species. PLoS ONE, 2012, 7, e32423.	1.1	12
78	Identification and validation of rice reference proteins for western blotting. Journal of Experimental Botany, 2011, 62, 4763-4772.	2.4	67
79	Evaluation of P38 MAPK Pathway as a Molecular Signature in Ulcerative Colitis. Journal of Proteome Research, 2011, 10, 2216-2225.	1.8	46
80	A Simple Strategy for Fabrication of â€œPlum-Puddingâ€•Type Pd@CeO₂ Semiconductor Nanocomposite as a Visible-Light-Driven Photocatalyst for Selective Oxidation. Journal of Physical Chemistry C, 2011, 115, 22901-22909.	1.5	121
81	Assembly of CdS Nanoparticles on the Two-Dimensional Graphene Scaffold as Visible-Light-Driven Photocatalyst for Selective Organic Transformation under Ambient Conditions. Journal of Physical Chemistry C, 2011, 115, 23501-23511.	1.5	333
82	Synthesis of M@TiO₂ (M = Au, Pd, Pt) Coreâ€“Shell Nanocomposites with Tunable Photoreactivity. Journal of Physical Chemistry C, 2011, 115, 9136-9145.	1.5	558
83	Acrolein consumption induces systemic dyslipidemia and lipoprotein modification. Toxicology and Applied Pharmacology, 2010, 243, 1-12.	1.3	74
84	Evolutionary Transients in the Rice Transcriptome. Genomics, Proteomics and Bioinformatics, 2010, 8, 211-228.	3.0	9
85	Systematic characterization of a novel gal operon in Thermoanaerobacter tengcongensis. Microbiology (United Kingdom), 2009, 155, 1717-1725.	0.7	9
86	PTTG Overexpression Promotes Lymph Node Metastasis in Human Esophageal Squamous Cell Carcinoma. Cancer Research, 2009, 69, 3283-3290.	0.4	44
87	Exploring membrane and cytoplasm proteomic responses of Alkalimonas amylolytica N10 to different external pHs with combination strategy of de novo peptide sequencing. Proteomics, 2009, 9, 1254-1273.	1.3	12
88	Proteomic analysis on the temperatureâ€dependent complexes in Thermoanaerobacter tengcongensis. Proteomics, 2009, 9, 3189-3200.	1.3	29
89	A new approach to monitor expression of aldoâ€“keto reductase proteins in mouse tissues. Proteomics, 2009, 9, 5090-5100.	1.3	4
90	Proteomic profiling of rice embryos from a hybrid rice cultivar and its parental lines. Proteomics, 2008, 8, 4808-4821.	1.3	48

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91	Evaluation of Hepatic-Metastasis Risk of Colorectal Cancer upon the Protein Signature of PI3K/AKT Pathway. Journal of Proteome Research, 2008, 7, 3507-3515.	1.8	27
92	The Alterations of Mouse Plasma Proteins during Septic Development. Journal of Proteome Research, 2007, 6, 2812-2821.	1.8	25
93	An improved method of sample preparation on AnchorChipâ„¢ targets for MALDI-MS and MS/MS and its application in the liver proteome project. Proteomics, 2007, 7, 2340-2349.	1.3	70
94	A proteomic study on postdiapaused embryonic development of brine shrimp (<b><i>Artemia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.3	50
95	Genome-wide detection and characterization of positive selection in human populations. Nature, 2007, 449, 913-918.	13.7	1,788
96	A second generation human haplotype map of over 3.1 million SNPs. Nature, 2007, 449, 851-861.	13.7	4,137