

Siqi Liu

List of Publications by Year in descending order

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96
papers

13,584
citations

66234

42
h-index

51492

86
g-index

97
all docs

97
docs citations

97
times ranked

23166
citing authors

#	ARTICLE	IF	CITATIONS
1	A second generation human haplotype map of over 3.1 million SNPs. <i>Nature</i> , 2007, 449, 851-861.	13.7	4,137
2	Genome-wide detection and characterization of positive selection in human populations. <i>Nature</i> , 2007, 449, 913-918.	13.7	1,788
3	Waltzing with the Versatile Platform of Graphene to Synthesize Composite Photocatalysts. <i>Chemical Reviews</i> , 2015, 115, 10307-10377.	23.0	1,017
4	Synthesis of M@TiO ₂ (M = Au, Pd, Pt) Core-Shell Nanocomposites with Tunable Photoreactivity. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9136-9145.	1.5	558
5	Multimodal Neuroimaging Feature Learning for Multiclass Diagnosis of Alzheimer's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1132-1140.	2.5	432
6	Recent progress on metal core@semiconductor shell nanocomposites as a promising type of photocatalyst. <i>Nanoscale</i> , 2012, 4, 2227.	2.8	380
7	One-dimension-based spatially ordered architectures for solar energy conversion. <i>Chemical Society Reviews</i> , 2015, 44, 5053-5075.	18.7	367
8	Synthesis of One-Dimensional CdS@TiO ₂ Core-Shell Nanocomposites Photocatalyst for Selective Redox: The Dual Role of TiO ₂ Shell. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6378-6385.	4.0	345
9	Assembly of CdS Nanoparticles on the Two-Dimensional Graphene Scaffold as Visible-Light-Driven Photocatalyst for Selective Organic Transformation under Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23501-23511.	1.5	333
10	Early diagnosis of Alzheimer's disease with deep learning. , 2014, , .		273
11	Synthesis of Uniform CdS Nanospheres/Graphene Hybrid Nanocomposites and Their Application as Visible Light Photocatalyst for Selective Reduction of Nitro Organics in Water. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4309-4319.	4.0	227
12	One-dimensional nanostructure based materials for versatile photocatalytic applications. <i>RSC Advances</i> , 2014, 4, 12685.	1.7	205
13	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. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 598-607.	10.8	202
14	An Efficient Self-Assembly of CdS Nanowires-Reduced Graphene Oxide Nanocomposites for Selective Reduction of Nitro Organics under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8251-8261.	1.5	186
15	A simple yet efficient visible-light-driven CdS nanowires-carbon nanotube 1D-1D nanocomposite photocatalyst. <i>Journal of Catalysis</i> , 2014, 309, 146-155.	3.1	161
16	miR-17-92 Cluster Targets Phosphatase and Tensin Homology and Ikaros Family Zinc Finger 4 to Promote TH17-mediated Inflammation. <i>Journal of Biological Chemistry</i> , 2014, 289, 12446-12456.	1.6	128
17	A Simple Strategy for Fabrication of Plum-Pudding-Type Pd@CeO ₂ Semiconductor Nanocomposite as a Visible-Light-Driven Photocatalyst for Selective Oxidation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22901-22909.	1.5	121
18	Rapid evolution of protein diversity by de novo origination in <i>Oryza</i> . <i>Nature Ecology and Evolution</i> , 2019, 3, 679-690.	3.4	121

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19	Multimodal neuroimaging computing: a review of the applications in neuropsychiatric disorders. <i>Brain Informatics</i> , 2015, 2, 167-180.	1.8	115
20	Surface charge promotes the synthesis of large, flat structured grapheneâ€“(CdS) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (nanowire). <i>Materials Chemistry A</i> , 2014, 2, 430-440.	5.2	112
21	Late-stage tumors induce anemia and immunosuppressive extramedullary erythroid progenitor cells. <i>Nature Medicine</i> , 2018, 24, 1536-1544.	15.2	112
22	A nanotree-like CdS/ZnO nanocomposite with spatially branched hierarchical structure for photocatalytic fine-chemical synthesis. <i>Nanoscale</i> , 2014, 6, 7193.	2.8	99
23	Constructing one-dimensional silver nanowire-doped reduced graphene oxide integrated with CdS nanowire network hybrid structures toward artificial photosynthesis. <i>Nanoscale</i> , 2015, 7, 861-866.	2.8	81
24	Photo-induced transformation process at gold clusters-semiconductor interface: Implications for the complexity of gold clusters-based photocatalysis. <i>Scientific Reports</i> , 2016, 6, 22742.	1.6	77
25	Acrolein consumption induces systemic dyslipidemia and lipoprotein modification. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 1-12.	1.3	74
26	Whole genome sequencing of Ethiopian highlanders reveals conserved hypoxia tolerance genes. <i>Genome Biology</i> , 2014, 15, R36.	13.9	71
27	Rivulet: 3D Neuron Morphology Tracing with Iterative Back-Tracking. <i>Neuroinformatics</i> , 2016, 14, 387-401.	1.5	71
28	An improved method of sample preparation on AnchorChipâ„¢ targets for MALDI-MS and MS/MS and its application in the liver proteome project. <i>Proteomics</i> , 2007, 7, 2340-2349.	1.3	70
29	Identification and validation of rice reference proteins for western blotting. <i>Journal of Experimental Botany</i> , 2011, 62, 4763-4772.	2.4	67
30	Efficient electrostatic self-assembly of one-dimensional CdSâ€“Au nanocomposites with enhanced photoactivity, not the surface plasmon resonance effect. <i>Nanoscale</i> , 2013, 5, 9330.	2.8	64
31	Systematic Analyses of the Transcriptome, Translatome, and Proteome Provide a Global View and Potential Strategy for the C-HPP. <i>Journal of Proteome Research</i> , 2014, 13, 38-49.	1.8	60
32	1D CdS nanowireâ€“2D BiVO ₄ nanosheet heterostructures toward photocatalytic selective fine-chemical synthesis. <i>RSC Advances</i> , 2015, 5, 16476-16483.	1.7	60
33	Improved degradation of the aqueous flutriafol using a nanostructure macroporous PbO ₂ as reactive electrochemical membrane. <i>Electrochimica Acta</i> , 2017, 253, 357-367.	2.6	60
34	MeCP2 Reinforces STAT3 Signaling and the Generation of Effector CD4 ⁺ T Cells by Promoting miR-124â€“Mediated Suppression of SOCS5. <i>Science Signaling</i> , 2014, 7, ra25.	1.6	55
35	MeCP2 enforces Foxp3 expression to promote regulatory T cellsâ€™ resilience to inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2807-16.	3.3	53
36	Quest for Missing Proteins: Update 2015 on Chromosome-Centric Human Proteome Project. <i>Journal of Proteome Research</i> , 2015, 14, 3415-3431.	1.8	53

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37	Core-Shell Structured Nanocomposites for Photocatalytic Selective Organic Transformations. Particle and Particle Systems Characterization, 2014, 31, 540-556.	1.2	51
38	A proteomic study on postdiapaused embryonic development of brine shrimp (<i>Artemia</i>). <i>Journal of Proteomics</i> , 2010, 13, 50-70.	1.3	50
39	Lipidomic profiling reveals distinct differences in plasma lipid composition in healthy, prediabetic, and type 2 diabetic individuals. <i>GigaScience</i> , 2017, 6, 1-12.	3.3	49
40	Proteomic profiling of rice embryos from a hybrid rice cultivar and its parental lines. <i>Proteomics</i> , 2008, 8, 4808-4821.	1.3	48
41	PGA: an R/Bioconductor package for identification of novel peptides using a customized database derived from RNA-Seq. <i>BMC Bioinformatics</i> , 2016, 17, 244.	1.2	48
42	MicroRNA-23a Curbs Necrosis during Early T Cell Activation by Enforcing Intracellular Reactive Oxygen Species Equilibrium. <i>Immunity</i> , 2016, 44, 568-581.	6.6	47
43	Evaluation of P38 MAPK Pathway as a Molecular Signature in Ulcerative Colitis. <i>Journal of Proteome Research</i> , 2011, 10, 2216-2225.	1.8	46
44	Automated 3-D Neuron Tracing With Precise Branch Erasing and Confidence Controlled Back Tracking. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2441-2452.	5.4	45
45	PTTG Overexpression Promotes Lymph Node Metastasis in Human Esophageal Squamous Cell Carcinoma. <i>Cancer Research</i> , 2009, 69, 3283-3290.	0.4	44
46	Gene co-expression network analysis identifies trait-related modules in <i>Arabidopsis thaliana</i> . <i>PLoS One</i> , 2019, 14, e0201501.	1.6	44
47	Analysis of the Rab GTPase Interactome in Dendritic Cells Reveals Anti-microbial Functions of the Rab32 Complex in Bacterial Containment. <i>Immunity</i> , 2016, 44, 422-437.	6.6	42
48	A cancer/testis antigen microarray to screen autoantibody biomarkers of non-small cell lung cancer. <i>Cancer Letters</i> , 2013, 328, 160-167.	3.2	37
49	Electrostatic self-assembly of CdS nanowires-nitrogen doped graphene nanocomposites for enhanced visible light photocatalysis. <i>Journal of Energy Chemistry</i> , 2015, 24, 145-156.	7.1	35
50	Reagents for Isobaric Labeling Peptides in Quantitative Proteomics. <i>Analytical Chemistry</i> , 2018, 90, 12366-12371.	3.2	33
51	TCR repertoire and CDR3 motif analyses depict the role of $\gamma\delta$ T cells in Ankylosing spondylitis. <i>EBioMedicine</i> , 2019, 47, 414-426.	2.7	32
52	An immunosuppressive function of interleukin-35 in chronic hepatitis C virus infection. <i>International Immunopharmacology</i> , 2017, 50, 87-94.	1.7	30
53	Proteomic analysis on the temperature-dependent complexes in <i>Thermoanaerobacter tengcongensis</i> . <i>Proteomics</i> , 2009, 9, 3189-3200.	1.3	29
54	Discovery of potential colorectal cancer serum biomarkers through quantitative proteomics on the colonic tissue interstitial fluids from the AOM-DSS mouse model. <i>Journal of Proteomics</i> , 2016, 132, 31-40.	1.2	28

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55	Evaluation of Hepatic-Metastasis Risk of Colorectal Cancer upon the Protein Signature of PI3K/AKT Pathway. <i>Journal of Proteome Research</i> , 2008, 7, 3507-3515.	1.8	27
56	UHRF1 is required for basal stem cell proliferation in response to airway injury. <i>Cell Discovery</i> , 2017, 3, 17019.	3.1	27
57	NitroDIGE analysis reveals inhibition of protein S-nitrosylation by epigallocatechin gallates in lipopolysaccharide-stimulated microglial cells. <i>Journal of Neuroinflammation</i> , 2014, 11, 17.	3.1	26
58	The Alterations of Mouse Plasma Proteins during Septic Development. <i>Journal of Proteome Research</i> , 2007, 6, 2812-2821.	1.8	25
59	Nanocomposites of graphene-CdS as photoactive and reusable catalysts for visible-light-induced selective reduction process. <i>Journal of Energy Chemistry</i> , 2014, 23, 145-155.	7.1	23
60	Multimodal neuroimaging computing: the workflows, methods, and platforms. <i>Brain Informatics</i> , 2015, 2, 181-195.	1.8	22
61	First Proteomic Exploration of Protein-Encoding Genes on Chromosome 1 in Human Liver, Stomach, and Colon. <i>Journal of Proteome Research</i> , 2013, 12, 67-80.	1.8	20
62	Theoretical and experimental insights into the \dot{A} -OH-mediated mineralization mechanism of flutriafol. <i>Electrochimica Acta</i> , 2017, 235, 223-232.	2.6	20
63	Qualitative and Quantitative Expression Status of the Human Chromosome 20 Genes in Cancer Tissues and the Representative Cell Lines. <i>Journal of Proteome Research</i> , 2013, 12, 151-161.	1.8	19
64	RiceWiki: a wiki-based database for community curation of rice genes. <i>Nucleic Acids Research</i> , 2014, 42, D1222-D1228.	6.5	19
65	A Comprehensive Investigation toward the Indicative Proteins of Bladder Cancer in Urine: From Surveying Cell Secretomes to Verifying Urine Proteins. <i>Journal of Proteome Research</i> , 2016, 15, 2164-2177.	1.8	19
66	Pairwise Latent Semantic Association for Similarity Computation in Medical Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1058-1069.	2.5	19
67	Identification of Differentially-expressed Genes in Intestinal Gastric Cancer by Microarray Analysis. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 276-283.	3.0	16
68	MFAP3L activation promotes colorectal cancer cell invasion and metastasis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1423-1432.	1.8	15
69	The tumor microenvironment disarms CD8 ⁺ T lymphocyte function via a miR-26a-EZH2 axis. <i>Oncolmmunology</i> , 2016, 5, e1245267.	2.1	15
70	Automated 3D Soma Segmentation with Morphological Surface Evolution for Neuron Reconstruction. <i>Neuroinformatics</i> , 2018, 16, 153-166.	1.5	15
71	Omics Evidence: Single Nucleotide Variants Transmissions on Chromosome 20 in Liver Cancer Cell Lines. <i>Journal of Proteome Research</i> , 2014, 13, 200-211.	1.8	14
72	Proteome Atlas of Human Chromosome 8 and Its Multiple 8p Deficiencies in Tumorigenesis of the Stomach, Colon, and Liver. <i>Journal of Proteome Research</i> , 2013, 12, 81-88.	1.8	13

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73	Exploring membrane and cytoplasm proteomic responses of <i>Alkalimonas amylyolytica</i> N10 to different external pHs with combination strategy of <i>de novo</i> peptide sequencing. <i>Proteomics</i> , 2009, 9, 1254-1273.	1.3	12
74	Conversion of effector CD4+ T cells to a CD8+ MHC II-recognizing lineage. <i>Cellular and Molecular Immunology</i> , 2021, 18, 150-161.	4.8	12
75	Regular Patterns for Proteome-Wide Distribution of Protein Abundance across Species. <i>PLoS ONE</i> , 2012, 7, e32423.	1.1	12
76	Longitudinal brain MR retrieval with diffeomorphic demons registration: What happened to those patients with similar changes?. , 2015, , .		11
77	One-dimensional Nanostructures for Photocatalytic Organic Synthesis. <i>Current Organic Chemistry</i> , 2015, 19, 484-497.	0.9	11
78	Propagation graph fusion for multi-modal medical content-based retrieval. , 2014, , .		10
79	Systematic characterization of a novel gal operon in <i>Thermoanaerobacter tengcongensis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 1717-1725.	0.7	9
80	Evolutionary Transients in the Rice Transcriptome. <i>Genomics, Proteomics and Bioinformatics</i> , 2010, 8, 211-228.	3.0	9
81	Insights from ENCODE on Missing Proteins: Why β -Defensin Expression Is Scarcely Detected. <i>Journal of Proteome Research</i> , 2015, 14, 3635-3644.	1.8	8
82	A Combinational Strategy upon RNA Sequencing and Peptidomics Unravels a Set of Novel Toxin Peptides in Scorpion <i>Mesobuthus martensii</i> . <i>Toxins</i> , 2016, 8, 286.	1.5	8
83	Memory and Time Efficient 3D Neuron Morphology Tracing in Large-Scale Images. , 2018, , .		8
84	Development of new EST-derived SSRs in <i>Salvia miltiorrhiza</i> (Labiatae) in China and preliminary analysis of genetic diversity and population structure. <i>Biochemical Systematics and Ecology</i> , 2013, 51, 308-313.	0.6	7
85	Improvement of peptide identification with considering the abundance of mRNA and peptide. <i>BMC Bioinformatics</i> , 2017, 18, 109.	1.2	7
86	On-Demand and Reliable vSD-EON Provisioning with Correlated Data and Control Plane Embedding. , 2016, , .		5
87	Lineage Tracking the Generation of T Regulatory Cells From Microbial Activated T Effector Cells in Naïve Mice. <i>Frontiers in Immunology</i> , 2020, 10, 3109.	2.2	5
88	A new approach to monitor expression of aldo-keto reductase proteins in mouse tissues. <i>Proteomics</i> , 2009, 9, 5090-5100.	1.3	4
89	Automatic 3D Single Neuron Reconstruction with Exhaustive Tracing. , 2017, , .		4
90	Preparation of mesoporous crack-free Sb-SnO ₂ xerogels through ambient-pressure drying and its application as three-dimensional electrode. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 479-492.	1.1	4

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91	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
92	Abstract P5-07-08: Identification and characterization of a new TIMP-1 binding protein. , 2015, , .		3
93	Subject-centered multi-view feature fusion for neuroimaging retrieval and classification. , 2015, , .		2
94	An On-Target Desalting and Concentration Sample Preparation Protocol for MALDI-MS and MS/MS Analysis. , 2012, 909, 17-28.		1
95	Appraisal of the Missing Proteins Based on the mRNAs Bound to Ribosomes. Journal of Proteome Research, 2015, 14, 4976-4984.	1.8	1
96	Metabolomics research on Tibetan medicinal substances. Journal of Traditional Chinese Medical Sciences, 2015, 2, 127-131.	0.1	0