

Jun Ding

List of Publications by Year in descending order

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114
papers

8,724
citations

57758

44
h-index

48315

88
g-index

124
all docs

124
docs citations

124
times ranked

16583
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal modelling using single-cell transcriptomics. <i>Nature Reviews Genetics</i> , 2022, 23, 355-368.	16.3	65
2	TraSig: inferring cell-cell interactions from pseudotime ordering of scRNA-Seq data. <i>Genome Biology</i> , 2022, 23, 73.	8.8	6
3	Role of Human Antigen R (HuR) in the Regulation of Pulmonary ACE2 Expression. <i>Cells</i> , 2022, 11, 22.	4.1	6
4	Interactive single-cell data analysis using Cellar. <i>Nature Communications</i> , 2022, 13, 1998.	12.8	11
5	A dual action small molecule enhances azoles and overcomes resistance through co-targeting Pdr5 and Vma1. <i>Translational Research</i> , 2022, , .	5.0	2
6	Unsupervised cell functional annotation for single-cell RNA-seq. <i>Genome Research</i> , 2022, 32, 1765-1775.	5.5	3
7	Associations of Coffee Consumption with the Circulating Level of Alanine Aminotransferase and Aspartate Aminotransferase. A Meta-Analysis of Observational Studies. <i>Journal of the American College of Nutrition</i> , 2021, 40, 261-272.	1.8	4
8	Angiotensin-converting enzyme 2 expression in COPD and IPF fibroblasts: the forgotten cell in COVID-19. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L152-L157.	2.9	20
9	Identifying signaling genes in spatial single-cell expression data. <i>Bioinformatics</i> , 2021, 37, 968-975.	4.1	33
10	A network-informed analysis of SARS-CoV-2 and hemophagocytic lymphohistiocytosis genes™ interactions points to Neutrophil extracellular traps as mediators of thrombosis in COVID-19. <i>PLoS Computational Biology</i> , 2021, 17, e1008810.	3.2	18
11	A versatile model for single-cell data analysis. <i>Nature Computational Science</i> , 2021, 1, 460-461.	8.0	0
12	Computational tools for analyzing single-cell data in pluripotent cell differentiation studies. <i>Cell Reports Methods</i> , 2021, 1, 100087.	2.9	3
13	Three Dimensionally Free-Formable Graphene Foam with Designed Structures for Energy and Environmental Applications. <i>ACS Nano</i> , 2020, 14, 937-947.	14.6	101
14	Analysis of time-series regulatory networks. <i>Current Opinion in Systems Biology</i> , 2020, 21, 16-24.	2.6	11
15	Short-range order and its impact on the CrCoNi medium-entropy alloy. <i>Nature</i> , 2020, 581, 283-287.	27.8	672
16	Inferring TF activation order in time series scRNA-Seq studies. <i>PLoS Computational Biology</i> , 2020, 16, e1007644.	3.2	9
17	Reconstructed Single-Cell Fate Trajectories Define Lineage Plasticity Windows during Differentiation of Human PSC-Derived Distal Lung Progenitors. <i>Cell Stem Cell</i> , 2020, 26, 593-608.e8.	11.1	114
18	Control of cytokinesis by β_2 -adrenergic receptors indicates an approach for regulating cardiomyocyte endowment. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	73

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19	Confinement-Induced Giant Spin-Orbit-Coupled Magnetic Moment of Co Nanoclusters in TiO ₂ Films. ACS Applied Materials & Interfaces, 2019, 11, 43781-43788.	8.0	8
20	Integrating multiomics longitudinal data to reconstruct networks underlying lung development. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L556-L568.	2.9	19
21	Computational and experimental studies on copper-mediated selective cascade C-H/N-H annulation of electron-deficient acrylamide with arynes. Chemical Communications, 2019, 55, 755-758.	4.1	33
22	Direct measurement of nanostructural change during in situ deformation of a bulk metallic glass. Nature Communications, 2019, 10, 2445.	12.8	46
23	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. Advanced Materials, 2019, 31, e1901185.	21.0	129
24	Electronic structures, mechanical properties and defect formation energies of U ₃ Si ₅ from density functional theory calculations. Progress in Nuclear Energy, 2019, 116, 87-94.	2.9	6
25	Cell lineage inference from SNP and scRNA-Seq data. Nucleic Acids Research, 2019, 47, e56-e56.	14.5	21
26	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density Li-O ₂ Batteries. Advanced Functional Materials, 2019, 29, 1806658.	14.9	197
27	Transcriptional regulatory model of fibrosis progression in the human lung. JCI Insight, 2019, 4, .	5.0	113
28	Ultra-thin high-efficiency mid-infrared transmissive Huygens meta-optics. Nature Communications, 2018, 9, 1481.	12.8	126
29	Mesoporous Perovskite Nanotube-Array Enhanced Metallic-State Platinum Dispersion for Low Temperature Propane Oxidation. ChemCatChem, 2018, 10, 2184-2189.	3.7	14
30	Reconstructing differentiation networks and their regulation from time series single-cell expression data. Genome Research, 2018, 28, 383-395.	5.5	39
31	Boosting catalytic propane oxidation over PGM-free Co ₃ O ₄ nanocrystal aggregates through chemical leaching: A comparative study with Pt and Pd based catalysts. Applied Catalysis B: Environmental, 2018, 226, 585-595.	20.2	113
32	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. Nano Energy, 2018, 48, 73-80.	16.0	608
33	CCmiR: a computational approach for competitive and cooperative microRNA binding prediction. Bioinformatics, 2018, 34, 198-206.	4.1	10
34	Single-Cell Transcriptomic Analysis of Cardiac Differentiation from Human PSCs Reveals HOPX-Dependent Cardiomyocyte Maturation. Cell Stem Cell, 2018, 23, 586-598.e8.	11.1	215
35	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. Nature Genetics, 2018, 50, 1412-1425.	21.4	924
36	Melts of CrCoNi-based high-entropy alloys: Atomic diffusion and electronic/atomic structure from <i>ab initio</i> simulation. Applied Physics Letters, 2018, 113, .	3.3	27

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37	Tunable stacking fault energies by tailoring local chemical order in CrCoNi medium-entropy alloys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8919-8924.	7.1	495
38	iDREM: Interactive visualization of dynamic regulatory networks. <i>PLoS Computational Biology</i> , 2018, 14, e1006019.	3.2	29
39	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS ₂ . <i>Materials and Design</i> , 2017, 121, 77-84.	7.0	97
40	BODIPY-containing nanoscale metal-organic frameworks as contrast agents for computed tomography. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2330-2336.	5.8	75
41	Comprehensive Profiling of Phytohormones in Honey by Sequential Liquid-Liquid Extraction Coupled with Liquid Chromatography-Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 575-585.	5.2	37
42	MethRaFo: MeDIP-seq methylation estimate using a Random Forest Regressor. <i>Bioinformatics</i> , 2017, 33, 3477-3479.	4.1	11
43	Ultra-thin, High-efficiency Mid-Infrared Transmissive Huygens Meta-Optics. , 2017, , .		1
44	Synthesis of Ferromagnetic Fe _{0.6} Mn _{0.4} O Nanoflowers as a New Class of Magnetic Theranostic Platform for In Vivo T ₁ - and T ₂ -Dual-Mode Magnetic Resonance Imaging and Magnetic Hyperthermia Therapy. <i>Advanced Healthcare Materials</i> , 2016, 5, 2092-2104.	7.6	75
45	Driving Pest Insect Populations: Agricultural Chemicals Lead to an Adaptive Syndrome in <i>Nilaparvata lugens</i> Stål (Hemiptera: Delphacidae). <i>Scientific Reports</i> , 2016, 6, 37430.	3.3	13
46	Karrikins delay soybean seed germination by mediating abscisic acid and gibberellin biogenesis under shaded conditions. <i>Scientific Reports</i> , 2016, 6, 22073.	3.3	46
47	Universal structural parameter to quantitatively predict metallic glass properties. <i>Nature Communications</i> , 2016, 7, 13733.	12.8	124
48	Mal-Lys: prediction of lysine malonylation sites in proteins integrated sequence-based features with mRMR feature selection. <i>Scientific Reports</i> , 2016, 6, 38318.	3.3	46
49	Kinetically Blocked Stable 5,6:12,13-Dibenzozethrene: A Laterally π -Extended Zethrene with Enhanced Diradical Character. <i>Organic Letters</i> , 2016, 18, 2886-2889.	4.6	26
50	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. <i>Nature Genetics</i> , 2016, 48, 624-633.	21.4	870
51	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. <i>Inorganic Chemistry</i> , 2016, 55, 9892-9897.	4.0	8
52	Stable 3,6-Linked Fluorenyl Radical Oligomers with Intramolecular Antiferromagnetic Coupling and Polyradical Characters. <i>Journal of the American Chemical Society</i> , 2016, 138, 13048-13058.	13.7	44
53	Novel room-temperature spin-valve-like magnetoresistance in magnetically coupled nano-column Fe ₃ O ₄ /Ni heterostructure. <i>Nanoscale</i> , 2016, 8, 15737-15743.	5.6	9
54	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9316-9320.	13.8	68

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55	SETDB2 Links Glucocorticoid to Lipid Metabolism through Insig2a Regulation. <i>Cell Metabolism</i> , 2016, 24, 474-484.	16.2	46
56	Higher Order π -Conjugated Polycyclic Hydrocarbons with Open-Shell Singlet Ground State: Nonazethrene versus Nonacene. <i>Journal of the American Chemical Society</i> , 2016, 138, 10323-10330.	13.7	118
57	Anomalous structure-property relationships in metallic glasses through pressure-mediated glass formation. <i>Physical Review B</i> , 2016, 93, .	3.2	42
58	Strong Modification of Excitons and Optical Conductivity for Different Dielectric Environments in ZnO Films. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9.	2.0	20
59	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. <i>Journal of the American Chemical Society</i> , 2016, 138, 7782-7790.	13.7	70
60	TarPmiR: a new approach for microRNA target site prediction. <i>Bioinformatics</i> , 2016, 32, 2768-2775.	4.1	144
61	Live-cell quantification and comparison of mammalian oocyte cytosolic lipid content between species, during development, and in relation to body composition using nonlinear vibrational microscopy. <i>Analyst</i> , The, 2016, 141, 4694-4706.	3.5	27
62	Tunable Electrical Conductivity and Magnetic Property of the Two Dimensional Metal Organic Framework [Cu(TPyP) ₂ (O ₂ CCH ₃) ₄]. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16154-16159.	8.0	92
63	Bovine Serum Albumin-Conjugated Ferrimagnetic Iron Oxide Nanoparticles to Enhance the Biocompatibility and Magnetic Hyperthermia Performance. <i>Nano-Micro Letters</i> , 2016, 8, 80-93.	27.0	64
64	Thermoresponsive magnetic ionic liquids: synthesis and temperature switchable magnetic separation. <i>RSC Advances</i> , 2016, 6, 15731-15734.	3.6	12
65	Benzo-thia-fused [n]thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity versus anti-aromaticity. <i>Chemical Science</i> , 2016, 7, 3036-3046.	7.4	38
66	Octazethrene and Its Isomer with Different Diradical Characters and Chemical Reactivity: The Role of the Bridge Structure. <i>Journal of Organic Chemistry</i> , 2016, 81, 2911-2919.	3.2	43
67	Stable isotope labeling $\hat{=}$ Liquid chromatography/mass spectrometry for quantitative analysis of androgenic and progestagenic steroids. <i>Analytica Chimica Acta</i> , 2016, 905, 106-114.	5.4	58
68	Toward Tetraradicaloid: The Effect of Fusion Mode on Radical Character and Chemical Reactivity. <i>Journal of the American Chemical Society</i> , 2016, 138, 1065-1077.	13.7	103
69	A new stent with streamlined cross-section can suppress monocyte cell adhesion in the flow disturbance zones of the endovascular stent. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 60-66.	1.6	2
70	iSuc-PseAAC: predicting lysine succinylation in proteins by incorporating peptide position-specific propensity. <i>Scientific Reports</i> , 2015, 5, 10184.	3.3	75
71	Assessing Mitochondrial DNA Variation and Copy Number in Lymphocytes of ~2,000 Sardinians Using Tailored Sequencing Analysis Tools. <i>PLoS Genetics</i> , 2015, 11, e1005306.	3.5	123
72	Proteomics analysis after traumatic brain injury in rats: the search for potential biomarkers. <i>Arquivos De Neuro-Psiquiatria</i> , 2015, 73, 342-349.	0.8	10

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73	Ferromagnetism and Crossover of Positive Magnetoresistance to Negative Magnetoresistance in Na-Doped ZnO. <i>Chemistry of Materials</i> , 2015, 27, 1285-1291.	6.7	37
74	Magnetic Vortex Nanorings: A New Class of Hyperthermia Agent for Highly Efficient In Vivo Regression of Tumors. <i>Advanced Materials</i> , 2015, 27, 1939-1944.	21.0	165
75	Shear-induced platelet receptor shedding by non-physiological high shear stress with short exposure time: Glycoprotein I β and glycoprotein VI. <i>Thrombosis Research</i> , 2015, 135, 692-698.	1.7	58
76	Phogly β -PseAAC: Prediction of lysine phosphoglycerylation in proteins incorporating with position-specific propensity. <i>Journal of Theoretical Biology</i> , 2015, 379, 10-15.	1.7	20
77	Systematic discovery of cofactor motifs from ChIP-seq data by SIOMICS. <i>Methods</i> , 2015, 79-80, 47-51.	3.8	23
78	Push β -Pull Type Oligo(<i>N</i> -annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 8572-8583.	13.7	93
79	Activation and shedding of platelet glycoprotein IIb/IIIa under non-physiological shear stress. <i>Molecular and Cellular Biochemistry</i> , 2015, 409, 93-101.	3.1	64
80	β -2-Glucan enhances cytotoxic T lymphocyte responses by activation of human monocyte-derived dendritic cells via the PI3K/AKT pathway. <i>Human Immunology</i> , 2015, 76, 146-154.	2.4	30
81	Perpendicular magnetic clusters with configurable domain structures via dipole β -dipole interactions. <i>Nano Research</i> , 2015, 8, 3639-3650.	10.4	4
82	MicroRNA modules prefer to bind weak and unconventional target sites. <i>Bioinformatics</i> , 2015, 31, 1366-1374.	4.1	21
83	Ferromagnetic ordering in Mn-doped ZnO nanoparticles. <i>Nanoscale Research Letters</i> , 2014, 9, 625.	5.7	61
84	SIOMICS: a novel approach for systematic identification of motifs in ChIP-seq data. <i>Nucleic Acids Research</i> , 2014, 42, e35-e35.	14.5	26
85	Personality Traits and Circadian Blood Pressure Patterns. <i>Psychosomatic Medicine</i> , 2014, 76, 237-243.	2.0	17
86	The influence of decompressive craniectomy on the development of hydrocephalus: a review. <i>Arquivos De Neuro-Psiquiatria</i> , 2014, 72, 715-720.	0.8	43
87	Scalable route to mesoporous iron oxides and their Cr(VI) ions uptake capacity study. <i>Materials Chemistry and Physics</i> , 2014, 144, 512-518.	4.0	6
88	Facile synthesis of magnetic molecularly imprinted polymers and its application in magnetic solid phase extraction for fluoroquinolones in milk samples. <i>Journal of Chromatography A</i> , 2014, 1329, 17-23.	3.7	98
89	Magnetic solid phase extraction coupled with in situ derivatization for the highly sensitive determination of acidic phytohormones in rice leaves by UPLC-MS/MS. <i>Analyst</i> , The, 2014, 139, 5605-5613.	3.5	44
90	Interplay of Cu and oxygen vacancy in optical transitions and screening of excitons in ZnO:Cu films. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	31

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91	In-syringe dispersive solid phase extraction: a novel format for electrospun fiber based microextraction. <i>Analyst</i> , 2014, 139, 6266-6271.	3.5	21
92	A selective pretreatment method for determination of endogenous active brassinosteroids in plant tissues: double layered solid phase extraction combined with boronate affinity polymer monolith microextraction. <i>Plant Methods</i> , 2013, 9, 13.	4.3	49
93	Acetic acid inhibits nutrient uptake in <i>Saccharomyces cerevisiae</i> : auxotrophy confounds the use of yeast deletion libraries for strain improvement. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7405-7416.	3.6	54
94	Nanomagnetism study of highly-ordered iron oxide nanocrystal assemblies fabricated by the Langmuir-Blodgett technique. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14689.	2.8	7
95	The Peroxisomal Enzyme L-PBE Is Required to Prevent the Dietary Toxicity of Medium-Chain Fatty Acids. <i>Cell Reports</i> , 2013, 5, 248-258.	6.4	45
96	Influence of glibenclamide on outcome in patients with type 2 diabetes and traumatic brain injury. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 2166-2169.	1.4	8
97	Large-scale synthesis of high-content Fe nanotubes/nanorings with high magnetization by H ₂ reduction process. <i>Materials Research Bulletin</i> , 2013, 48, 5003-5007.	5.2	10
98	Synthesis of nonstoichiometric zinc ferrite nanoparticles with extraordinary room temperature magnetism and their diverse applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2875.	5.5	115
99	Pushing Extended <i>p</i> -Quinodimethanes to the Limit: Stable Tetracyano-oligo(<i>N</i> -annulated) Tj ETQq1 1 0.784314 rgBT /O 2013, 135, 6363-6371.	13.7	170
100	Superparamagnetic Nanostructures for Off-Resonance Magnetic Resonance Spectroscopic Imaging. <i>Advanced Functional Materials</i> , 2013, 23, 496-505.	14.9	18
101	Dose-Dependent Protective Effect of Bisperoxovanadium against Acute Cerebral Ischemia in a Rat Model of Ischemia/Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2013, 14, 12013-12022.	4.1	19
102	DEPRESSIVE DISORDERS AMONG CHILDREN IN THE TRANSFORMING CHINA: AN EPIDEMIOLOGICAL SURVEY OF PREVALENCE, CORRELATES, AND SERVICE USE. <i>Depression and Anxiety</i> , 2013, 30, 881-892.	4.1	20
103	SHAVE: shrinkage estimator measured for multiple visits increases power in GWAS of quantitative traits. <i>European Journal of Human Genetics</i> , 2013, 21, 673-679.	2.8	11
104	Susceptibility-associated genetic variation at IL12B enhances Th1 polarization in psoriasis. <i>Human Molecular Genetics</i> , 2013, 22, 1807-1815.	2.9	35
105	Synthesis of Fe_2O_3 Templates via Hydrothermal Route and Fe_3O_4 Particles Through Subsequent Chemical Reduction. <i>Science of Advanced Materials</i> , 2013, 5, 1199-1207.	0.7	10
106	ChIPModule: systematic discovery of transcription factors and their cofactors from ChIP-seq data. <i>Pacific Symposium on Biocomputing</i> Pacific Symposium on Biocomputing, 2013, , 320-31.	0.7	8
107	Thousands of Cis-Regulatory Sequence Combinations Are Shared by Arabidopsis and Poplar. <i>Plant Physiology</i> , 2012, 158, 145-155.	4.8	29
108	Systematic Prediction of cis-Regulatory Elements in the <i>Chlamydomonas reinhardtii</i> Genome Using Comparative Genomics. <i>Plant Physiology</i> , 2012, 160, 613-623.	4.8	25

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109	Multimodality treatment of cancer with herceptin conjugated, thermomagnetic iron oxides and docetaxel loaded nanoparticles of biodegradable polymers. <i>Biomaterials</i> , 2012, 33, 7519-7529.	11.4	111
110	Synthesis of Manganese Ferrite/Graphene Oxide Nanocomposites for Biomedical Applications. <i>Small</i> , 2012, 8, 3620-3630.	10.0	113
111	CHIPMODULE: SYSTEMATIC DISCOVERY OF TRANSCRIPTION FACTORS AND THEIR COFACTORS FROM CHIP-SEQ DATA. , 2012, , .		10
112	Anti-Recombinant Gametocyte 56 Protein IgY Protected Chickens from Homologous Coccidian Infection. <i>Journal of Integrative Agriculture</i> , 2012, 11, 1721-1728.	3.5	9
113	Prediction of Protein Methylation Sites Using Conditional Random Field. <i>Protein and Peptide Letters</i> , 2012, 20, 71-77.	0.9	2
114	Cardiac Directed Differentiation Using Small Molecule WNT Modulation at Single-Cell Resolution. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0