Jun Ding

List of Publications by Year in descending order

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48315 57758 8,724 114 44 88 citations h-index g-index papers 124 124 124 16583 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	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
2	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. Nature Genetics, 2016, 48, 624-633.	21.4	870
3	Short-range order and its impact on the CrCoNi medium-entropy alloy. Nature, 2020, 581, 283-287.	27.8	672
4	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. Nano Energy, 2018, 48, 73-80.	16.0	608
5	Tunable stacking fault energies by tailoring local chemical order in CrCoNi medium-entropy alloys. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8919-8924.	7.1	495
6	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
7	3Dâ€Printed MOFâ€Derived Hierarchically Porous Frameworks for Practical Highâ€Energy Density Li–O ₂ Batteries. Advanced Functional Materials, 2019, 29, 1806658.	14.9	197
8	Pushing Extended <i>p</i> -Quinodimethanes to the Limit: Stable Tetracyano-oligo(<i>N</i> -annulated) Tj ETQq0 2013, 135, 6363-6371.	0 0 0 rgBT / 13.7	/Overlock 10 170
9	Magnetic Vortex Nanorings: A New Class of Hyperthermia Agent for Highly Efficient In Vivo Regression of Tumors. Advanced Materials, 2015, 27, 1939-1944.	21.0	165
10	TarPmiR: a new approach for microRNA target site prediction. Bioinformatics, 2016, 32, 2768-2775.	4.1	144
11	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. Advanced Materials, 2019, 31, e1901185.	21.0	129
12	Ultra-thin high-efficiency mid-infrared transmissive Huygens meta-optics. Nature Communications, 2018, 9, 1481.	12.8	126
13	Universal structural parameter to quantitatively predict metallic glass properties. Nature Communications, 2016, 7, 13733.	12.8	124
14	Assessing Mitochondrial DNA Variation and Copy Number in Lymphocytes of ~2,000 Sardinians Using Tailored Sequencing Analysis Tools. PLoS Genetics, 2015, 11, e1005306.	3.5	123
15	Higher Order π-Conjugated Polycyclic Hydrocarbons with Open-Shell Singlet Ground State: Nonazethrene versus Nonacene. Journal of the American Chemical Society, 2016, 138, 10323-10330.	13.7	118
16	Synthesis of nonstoichiometric zinc ferrite nanoparticles with extraordinary room temperature magnetism and their diverse applications. Journal of Materials Chemistry C, 2013, 1, 2875.	5.5	115
17	Reconstructed Single-Cell Fate Trajectories Define Lineage Plasticity Windows during Differentiation of Human PSC-Derived Distal Lung Progenitors. Cell Stem Cell, 2020, 26, 593-608.e8.	11.1	114
18	Synthesis of Manganese Ferrite/Graphene Oxide Nanocomposites for Biomedical Applications. Small, 2012, 8, 3620-3630.	10.0	113

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19	Boosting catalytic propane oxidation over PGM-free Co3O4 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
20	Transcriptional regulatory model of fibrosis progression in the human lung. JCI Insight, 2019, 4, .	5.0	113
21	Multimodality treatment of cancer with herceptin conjugated, thermomagnetic iron oxides and docetaxel loaded nanoparticles of biodegradable polymers. Biomaterials, 2012, 33, 7519-7529.	11.4	111
22	Toward Tetraradicaloid: The Effect of Fusion Mode on Radical Character and Chemical Reactivity. Journal of the American Chemical Society, 2016, 138, 1065-1077.	13.7	103
23	Three Dimensionally Free-Formable Graphene Foam with Designed Structures for Energy and Environmental Applications. ACS Nano, 2020, 14, 937-947.	14.6	101
24	Facile synthesis of magnetic molecularly imprinted polymers and its application in magnetic solid phase extraction for fluoroquinolones in milk samples. Journal of Chromatography A, 2014, 1329, 17-23.	3.7	98
25	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS 2. Materials and Design, 2017, 121, 77-84.	7.0	97
26	Push–Pull Type Oligo(<i>N</i> -annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. Journal of the American Chemical Society, 2015, 137, 8572-8583.	13.7	93
27	Tunable Electrical Conductivity and Magnetic Property of the Two Dimensional Metal Organic Framework [Cu(TPyP)Cu ₂ (O ₂ CCH ₃) ₄]. ACS Applied Materials & Distribution of the Communication of the Commun	8.0	92
28	iSuc-PseAAC: predicting lysine succinylation in proteins by incorporating peptide position-specific propensity. Scientific Reports, 2015, 5, 10184.	3.3	75
29	Synthesis of Ferromagnetic Fe _{0.6} Mn _{0.4} O Nanoflowers as a New Class of Magnetic Theranostic Platform for In Vivo T ₁ â€T ₂ Dualâ€Mode Magnetic Resonance Imaging and Magnetic Hyperthermia Therapy. Advanced Healthcare Materials, 2016, 5, 2092-2104.	7.6	75
30	BODIPY-containing nanoscale metal–organic frameworks as contrast agents for computed tomography. Journal of Materials Chemistry B, 2017, 5, 2330-2336.	5.8	75
31	Control of cytokinesis by \hat{l}^2 -adrenergic receptors indicates an approach for regulating cardiomyocyte endowment. Science Translational Medicine, 2019, 11, .	12.4	73
32	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. Journal of the American Chemical Society, 2016, 138, 7782-7790.	13.7	70
33	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. Angewandte Chemie - International Edition, 2016, 55, 9316-9320.	13.8	68
34	Temporal modelling using single-cell transcriptomics. Nature Reviews Genetics, 2022, 23, 355-368.	16.3	65
35	Activation and shedding of platelet glycoprotein IIb/IIIa under non-physiological shear stress. Molecular and Cellular Biochemistry, 2015, 409, 93-101.	3.1	64
36	Bovine Serum Albumin-Conjugated Ferrimagnetic Iron Oxide Nanoparticles to Enhance the Biocompatibility and Magnetic Hyperthermia Performance. Nano-Micro Letters, 2016, 8, 80-93.	27.0	64

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37	Ferromagnetic ordering in Mn-doped ZnO nanoparticles. Nanoscale Research Letters, 2014, 9, 625.	5.7	61
38	Shear-induced platelet receptor shedding by non-physiological high shear stress with short exposure time: Glycoprotein lbî \pm and glycoprotein VI. Thrombosis Research, 2015, 135, 692-698.	1.7	58
39	Stable isotope labeling – Liquid chromatography/mass spectrometry for quantitative analysis of androgenic and progestagenic steroids. Analytica Chimica Acta, 2016, 905, 106-114.	5 . 4	58
40	Acetic acid inhibits nutrient uptake in Saccharomyces cerevisiae: auxotrophy confounds the use of yeast deletion libraries for strain improvement. Applied Microbiology and Biotechnology, 2013, 97, 7405-7416.	3.6	54
41	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. Plant Methods, 2013, 9, 13.	4.3	49
42	Karrikins delay soybean seed germination by mediating abscisic acid and gibberellin biogenesis under shaded conditions. Scientific Reports, 2016, 6, 22073.	3.3	46
43	Mal-Lys: prediction of lysine malonylation sites in proteins integrated sequence-based features with mRMR feature selection. Scientific Reports, 2016, 6, 38318.	3.3	46
44	SETDB2 Links Glucocorticoid to Lipid Metabolism through Insig2a Regulation. Cell Metabolism, 2016, 24, 474-484.	16.2	46
45	Direct measurement of nanostructural change during in situ deformation of a bulk metallic glass. Nature Communications, 2019, 10, 2445.	12.8	46
46	The Peroxisomal Enzyme L-PBE Is Required to Prevent the Dietary Toxicity of Medium-Chain Fatty Acids. Cell Reports, 2013, 5, 248-258.	6.4	45
47	Magnetic solid phase extraction coupled with in situ derivatization for the highly sensitive determination of acidic phytohormones in rice leaves by UPLC-MS/MS. Analyst, The, 2014, 139, 5605-5613.	3.5	44
48	Stable 3,6-Linked Fluorenyl Radical Oligomers with Intramolecular Antiferromagnetic Coupling and Polyradical Characters. Journal of the American Chemical Society, 2016, 138, 13048-13058.	13.7	44
49	The influence of decompressive craniectomy on the development of hydrocephalus: a review. Arquivos De Neuro-Psiquiatria, 2014, 72, 715-720.	0.8	43
50	Octazethrene and Its Isomer with Different Diradical Characters and Chemical Reactivity: The Role of the Bridge Structure. Journal of Organic Chemistry, 2016, 81, 2911-2919.	3.2	43
51	Anomalous structure-property relationships in metallic glasses through pressure-mediated glass formation. Physical Review B, 2016, 93, .	3.2	42
52	Reconstructing differentiation networks and their regulation from time series single-cell expression data. Genome Research, 2018, 28, 383-395.	5.5	39
53	Benzo-thia-fused [n]thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity versus anti-aromaticity. Chemical Science, 2016, 7, 3036-3046.	7.4	38
54	Ferromagnetism and Crossover of Positive Magnetoresistance to Negative Magnetoresistance in Na-Doped ZnO. Chemistry of Materials, 2015, 27, 1285-1291.	6.7	37

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55	Comprehensive Profiling of Phytohormones in Honey by Sequential Liquid–Liquid Extraction Coupled with Liquid Chromatography–Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2017, 65, 575-585.	5.2	37
56	Susceptibility-associated genetic variation at IL12B enhances Th1 polarization in psoriasis. Human Molecular Genetics, 2013, 22, 1807-1815.	2.9	35
57	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
58	Identifying signaling genes in spatial single-cell expression data. Bioinformatics, 2021, 37, 968-975.	4.1	33
59	Interplay of Cu and oxygen vacancy in optical transitions and screening of excitons in ZnO:Cu films. Applied Physics Letters, 2014, 104, .	3.3	31
60	\hat{l}^2 -Glucan enhances cytotoxic T lymphocyte responses by activation of human monocyte-derived dendritic cells via the PI3K/AKT pathway. Human Immunology, 2015, 76, 146-154.	2.4	30
61	Thousands of Cis-Regulatory Sequence Combinations Are Shared by Arabidopsis and Poplar Â. Plant Physiology, 2012, 158, 145-155.	4.8	29
62	iDREM: Interactive visualization of dynamic regulatory networks. PLoS Computational Biology, 2018, 14, e1006019.	3.2	29
63	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. Analyst, The, 2016, 141, 4694-4706.	3.5	27
64	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
65	SIOMICS: a novel approach for systematic identification of motifs in ChIP-seq data. Nucleic Acids Research, 2014, 42, e35-e35.	14.5	26
66	Kinetically Blocked Stable 5,6:12,13-Dibenzozethrene: A Laterally π-Extended Zethrene with Enhanced Diradical Character. Organic Letters, 2016, 18, 2886-2889.	4.6	26
67	Systematic Prediction of cis-Regulatory Elements in the Chlamydomonas reinhardtii Genome Using Comparative Genomics Â. Plant Physiology, 2012, 160, 613-623.	4.8	25
68	Systematic discovery of cofactor motifs from ChIP-seq data by SIOMICS. Methods, 2015, 79-80, 47-51.	3.8	23
69	In-syringe dispersive solid phase extraction: a novel format for electrospun fiber based microextraction. Analyst, The, 2014, 139, 6266-6271.	3.5	21
70	MicroRNA modules prefer to bind weak and unconventional target sites. Bioinformatics, 2015, 31, 1366-1374.	4.1	21
71	Cell lineage inference from SNP and scRNA-Seq data. Nucleic Acids Research, 2019, 47, e56-e56.	14.5	21
72	DEPRESSIVE DISORDERS AMONG CHILDREN IN THE TRANSFORMING CHINA: AN EPIDEMIOLOGICAL SURVEY OF PREVALENCE, CORRELATES, AND SERVICE USE. Depression and Anxiety, 2013, 30, 881-892.	4.1	20

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73	Phogly–PseAAC: Prediction of lysine phosphoglycerylation in proteins incorporating with position-specific propensity. Journal of Theoretical Biology, 2015, 379, 10-15.	1.7	20
74	Strong Modification of Excitons and Optical Conductivity for Different Dielectric Environments in ZnO Films. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	20
75	Angiotensin-converting enzyme 2 expression in COPD and IPF fibroblasts: the forgotten cell in COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L152-L157.	2.9	20
76	Dose-Dependent Protective Effect of Bisperoxovanadium against Acute Cerebral Ischemia in a Rat Model of Ischemia/Reperfusion Injury. International Journal of Molecular Sciences, 2013, 14, 12013-12022.	4.1	19
77	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
78	Superparamagnetic Nanostructures for Offâ€Resonance Magnetic Resonance Spectroscopic Imaging. Advanced Functional Materials, 2013, 23, 496-505.	14.9	18
79	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. PLoS Computational Biology, 2021, 17, e1008810.	3.2	18
80	Personality Traits and Circadian Blood Pressure Patterns. Psychosomatic Medicine, 2014, 76, 237-243.	2.0	17
81	Mesoporous Perovskite Nanotubeâ€Array Enhanced Metallicâ€State Platinum Dispersion for Low Temperature Propane Oxidation. ChemCatChem, 2018, 10, 2184-2189.	3.7	14
82	Driving Pest Insect Populations: Agricultural Chemicals Lead to an Adaptive Syndrome in Nilaparvata Lugens Stål (Hemiptera: Delphacidae). Scientific Reports, 2016, 6, 37430.	3.3	13
83	Thermoresponsive magnetic ionic liquids: synthesis and temperature switchable magnetic separation. RSC Advances, 2016, 6, 15731-15734.	3.6	12
84	SHAVE: shrinkage estimator measured for multiple visits increases power in GWAS of quantitative traits. European Journal of Human Genetics, 2013, 21, 673-679.	2.8	11
85	MethRaFo: MeDIP-seq methylation estimate using a Random Forest Regressor. Bioinformatics, 2017, 33, 3477-3479.	4.1	11
86	Analysis of time-series regulatory networks. Current Opinion in Systems Biology, 2020, 21, 16-24.	2.6	11
87	Interactive single-cell data analysis using Cellar. Nature Communications, 2022, 13, 1998.	12.8	11
88	CHIPMODULE: SYSTEMATIC DISCOVERY OF TRANSCRIPTION FACTORS AND THEIR COFACTORS FROM CHIP-SEQ DATA. , 2012, , .		10
89	Large-scale synthesis of high-content Fe nanotubes/nanorings with high magnetization by H2 reduction process. Materials Research Bulletin, 2013, 48, 5003-5007.	5.2	10
90	Proteomics analysis after traumatic brain injury in rats: the search for potential biomarkers. Arquivos De Neuro-Psiquiatria, 2015, 73, 342-349.	0.8	10

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91	CCmiR: a computational approach for competitive and cooperative microRNA binding prediction. Bioinformatics, 2018, 34, 198-206.	4.1	10
92	Synthesis of <l>α</l> -Fe ₂ O ₃ Templates via Hydrothermal Route and Fe ₃ O ₄ Particles Through Subsequent Chemical Reduction. Science of Advanced Materials, 2013, 5, 1199-1207.	0.7	10
93	Anti-Recombinant Gametocyte 56 Protein IgY Protected Chickens from Homologous Coccidian Infection. Journal of Integrative Agriculture, 2012, 11, 1721-1728.	3.5	9
94	Novel room-temperature spin-valve-like magnetoresistance in magnetically coupled nano-column Fe ₃ O ₄ /Ni heterostructure. Nanoscale, 2016, 8, 15737-15743.	5.6	9
95	Inferring TF activation order in time series scRNA-Seq studies. PLoS Computational Biology, 2020, 16, e1007644.	3.2	9
96	Influence of glibenclamide on outcome in patients with type 2 diabetes and traumatic brain injury. Clinical Neurology and Neurosurgery, 2013, 115, 2166-2169.	1.4	8
97	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. Inorganic Chemistry, 2016, 55, 9892-9897.	4.0	8
98	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
99	ChIPModule: systematic discovery of transcription factors and their cofactors from ChIP-seq data. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2013, , 320-31.	0.7	8
100	Nanomagnetism study of highly-ordered iron oxide nanocrystal assemblies fabricated by the Langmuir–Blodgett technique. Physical Chemistry Chemical Physics, 2013, 15, 14689.	2.8	7
101	Scalable route to mesoporous iron oxides and their Cr(VI) ions uptake capacity study. Materials Chemistry and Physics, 2014, 144, 512-518.	4.0	6
102	Electronic structures, mechanical properties and defect formation energies of U3Si5 from density functional theory calculations. Progress in Nuclear Energy, 2019, 116, 87-94.	2.9	6
103	TraSig: inferring cell-cell interactions from pseudotime ordering of scRNA-Seq data. Genome Biology, 2022, 23, 73.	8.8	6
104	Role of Human Antigen R (HuR) in the Regulation of Pulmonary ACE2 Expression. Cells, 2022, 11, 22.	4.1	6
105	Perpendicular magnetic clusters with configurable domain structures via dipole–dipole interactions. Nano Research, 2015, 8, 3639-3650.	10.4	4
106	Associations of Coffee Consumption with the Circulating Level of Alanine Aminotransferase and Aspartate Aminotransferase. A Meta-Analysis of Observational Studies. Journal of the American College of Nutrition, 2021, 40, 261-272.	1.8	4
107	Computational tools for analyzing single-cell data in pluripotent cell differentiation studies. Cell Reports Methods, 2021, 1, 100087.	2.9	3
108	Unsupervised cell functional annotation for single-cell RNA-seq. Genome Research, 2022, 32, 1765-1775.	5.5	3

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109	A new stent with streamlined cross-section can suppress monocyte cell adhesion in the flow disturbance zones of the endovascular stent. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 60-66.	1.6	2
110	Prediction of Protein Methylation Sites Using Conditional Random Field. Protein and Peptide Letters, 2012, 20, 71-77.	0.9	2
111	A dual action small molecule enhances azoles and overcomes resistance through co-targeting Pdr5 and Vma1. Translational Research, 2022, , .	5.0	2
112	Ultra-thin, High-efficiency Mid-Infrared Transmissive Huygens Meta-Optics., 2017,,.		1
113	A versatile model for single-cell data analysis. Nature Computational Science, 2021, 1, 460-461.	8.0	O
114	Cardiac Directed Differentiation Using Small Molecule WNT Modulation at Single-Cell Resolution. SSRN Electronic Journal, 0, , .	0.4	0