

Hao Sun

List of Publications by Year in descending order

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163
papers

15,087
citations

17440

63
h-index

18647

119
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168
all docs

168
docs citations

168
times ranked

20275
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal Plasma DNA Sequencing Reveals the Genome-Wide Genetic and Mutational Profile of the Fetus. <i>Science Translational Medicine</i> , 2010, 2, 61ra91.	12.4	878
2	Cross-Stacking Aligned Carbon Nanotube Films to Tune Microwave Absorption Frequencies and Increase Absorption Intensities. <i>Advanced Materials</i> , 2014, 26, 8120-8125.	21.0	819
3	Non-invasive prenatal assessment of trisomy 21 by multiplexed maternal plasma DNA sequencing: large scale validity study. <i>BMJ: British Medical Journal</i> , 2011, 342, c7401-c7401.	2.3	641
4	NF- κ B-YY1 miR-29 Regulatory Circuitry in Skeletal Myogenesis and Rhabdomyosarcoma. <i>Cancer Cell</i> , 2008, 14, 369-381.	16.8	573
5	Cytosine base editor generates substantial off-target single-nucleotide variants in mouse embryos. <i>Science</i> , 2019, 364, 289-292.	12.6	573
6	Cancer Genome Scanning in Plasma: Detection of Tumor-Associated Copy Number Aberrations, Single-Nucleotide Variants, and Tumoral Heterogeneity by Massively Parallel Sequencing. <i>Clinical Chemistry</i> , 2013, 59, 211-224.	3.2	447
7	Energy harvesting and storage in 1D devices. <i>Nature Reviews Materials</i> , 2017, 2, .	48.7	421
8	Developing Polymer Composite Materials: Carbon Nanotubes or Graphene?. <i>Advanced Materials</i> , 2013, 25, 5153-5176.	21.0	398
9	Single-Nucleotide Polymorphisms Inside MicroRNA Target Sites Influence Tumor Susceptibility. <i>Cancer Research</i> , 2010, 70, 2789-2798.	0.9	365
10	Noninvasive detection of cancer-associated genome-wide hypomethylation and copy number aberrations by plasma DNA bisulfite sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18761-18768.	7.1	363
11	AGRIS: Arabidopsis gene regulatory information server, an information resource of Arabidopsis cis-regulatory elements and transcription factors. <i>BMC Bioinformatics</i> , 2003, 4, 25.	2.6	349
12	Novel Graphene/Carbon Nanotube Composite Fibers for Efficient Wire-Shaped Miniature Energy Devices. <i>Advanced Materials</i> , 2014, 26, 2868-2873.	21.0	305
13	LncRNA Dum interacts with Dnmts to regulate Dppa2 expression during myogenic differentiation and muscle regeneration. <i>Cell Research</i> , 2015, 25, 335-350.	12.0	259
14	AGRIS and AtRegNet. A Platform to Link cis-Regulatory Elements and Transcription Factors into Regulatory Networks. <i>Plant Physiology</i> , 2006, 140, 818-829.	4.8	249
15	Noninvasive Prenatal Diagnosis of Fetal Trisomy 18 and Trisomy 13 by Maternal Plasma DNA Sequencing. <i>PLoS ONE</i> , 2011, 6, e21791.	2.5	243
16	NF- κ B Regulation of YY1 Inhibits Skeletal Myogenesis through Transcriptional Silencing of Myofibrillar Genes. <i>Molecular and Cellular Biology</i> , 2007, 27, 4374-4387.	2.3	236
17	Size-based molecular diagnostics using plasma DNA for noninvasive prenatal testing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8583-8588.	7.1	233
18	A Self-Healing Aqueous Lithium-Ion Battery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14384-14388.	13.8	191

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19	Self-Healable Electrically Conducting Wires for Wearable Microelectronics. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9526-9531.	13.8	190
20	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. <i>Advanced Materials</i> , 2015, 27, 7854-7860.	21.0	176
21	High-Safety and High-Energy-Density Lithium Metal Batteries in a Novel Ionic-Liquid Electrolyte. <i>Advanced Materials</i> , 2020, 32, e2001741.	21.0	176
22	A safe and non-flammable sodium metal battery based on an ionic liquid electrolyte. <i>Nature Communications</i> , 2019, 10, 3302.	12.8	173
23	Recent progress in solar cells based on one-dimensional nanomaterials. <i>Energy and Environmental Science</i> , 2015, 8, 1139-1159.	30.8	164
24	Photovoltaic Wire Derived from a Graphene Composite Fiber Achieving an 8.45% Energy Conversion Efficiency. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7545-7548.	13.8	155
25	Direct activation of human and mouse <i>Oct4</i> genes using engineered TALE and Cas9 transcription factors. <i>Nucleic Acids Research</i> , 2014, 42, 4375-4390.	14.5	143
26	iSeeRNA: identification of long intergenic non-coding RNA transcripts from transcriptome sequencing data. <i>BMC Genomics</i> , 2013, 14, S7.	2.8	141
27	A hybrid carbon aerogel with both aligned and interconnected pores as interlayer for high-performance lithium-sulfur batteries. <i>Nano Research</i> , 2016, 9, 3735-3746.	10.4	140
28	Genome-wide survey by CHIP-seq reveals YY1 regulation of lincRNAs in skeletal myogenesis. <i>EMBO Journal</i> , 2013, 32, 2575-2588.	7.8	138
29	Noninvasive Prenatal Methylation Analysis by Genomewide Bisulfite Sequencing of Maternal Plasma DNA. <i>Clinical Chemistry</i> , 2013, 59, 1583-1594.	3.2	131
30	A novel energy fiber by coaxially integrating dye-sensitized solar cell and electrochemical capacitor. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1897-1902.	10.3	130
31	Efficient Dye-Sensitized Photovoltaic Wires Based on an Organic Redox Electrolyte. <i>Journal of the American Chemical Society</i> , 2013, 135, 10622-10625.	13.7	129
32	Maternal Plasma DNA Analysis with Massively Parallel Sequencing by Ligation for Noninvasive Prenatal Diagnosis of Trisomy 21. <i>Clinical Chemistry</i> , 2010, 56, 459-463.	3.2	125
33	Physics-Informed Deep Learning for Computational Elastodynamics without Labeled Data. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	2.9	121
34	Inhibition of miR-29 by TGF-beta-Smad3 Signaling through Dual Mechanisms Promotes Transdifferentiation of Mouse Myoblasts into Myofibroblasts. <i>PLoS ONE</i> , 2012, 7, e33766.	2.5	120
35	Electrochemical Capacitors with High Output Voltages that Mimic Electric Eels. <i>Advanced Materials</i> , 2016, 28, 2070-2076.	21.0	119
36	A Novel Wnt Regulatory Axis in Endometrioid Endometrial Cancer. <i>Cancer Research</i> , 2014, 74, 5103-5117.	0.9	114

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37	Loss of miR-29 in Myoblasts Contributes to Dystrophic Muscle Pathogenesis. <i>Molecular Therapy</i> , 2012, 20, 1222-1233.	8.2	111
38	Stabilizing Lithium into Cross-Stacked Nanotube Sheets with an Ultra-High Specific Capacity for Lithium Oxygen Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2437-2442.	13.8	111
39	Plasma DNA aberrations in systemic lupus erythematosus revealed by genomic and methylomic sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5302-11.	7.1	105
40	Self-Powered Energy Fiber: Energy Conversion in the Sheath and Storage in the Core. <i>Advanced Materials</i> , 2014, 26, 7038-7042.	21.0	104
41	Nonhematopoietically Derived DNA Is Shorter than Hematopoietically Derived DNA in Plasma: A Transplantation Model. <i>Clinical Chemistry</i> , 2012, 58, 549-558.	3.2	103
42	Aligned carbon nanotube/molybdenum disulfide hybrids for effective fibrous supercapacitors and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17553-17557.	10.3	103
43	Optimal sensor placement in structural health monitoring using discrete optimization. <i>Smart Materials and Structures</i> , 2015, 24, 125034.	3.5	100
44	Simultaneous identification of bridge structural parameters and vehicle loads. <i>Computers and Structures</i> , 2015, 157, 76-88.	4.4	100
45	A coaxial triboelectric nanogenerator fiber for energy harvesting and sensing under deformation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6032-6037.	10.3	98
46	Structural specializations of $\alpha 4 \beta 7$, an integrin that mediates rolling adhesion. <i>Journal of Cell Biology</i> , 2012, 196, 131-146.	5.2	97
47	Identification of structural models using a modified Artificial Bee Colony algorithm. <i>Computers and Structures</i> , 2013, 116, 59-74.	4.4	97
48	A fiber-shaped solar cell showing a record power conversion efficiency of 10%. <i>Journal of Materials Chemistry A</i> , 2018, 6, 45-51.	10.3	93
49	A Novel Target of MicroRNA-29, Ring1 and YY1-binding Protein (Rybp), Negatively Regulates Skeletal Myogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 25255-25265.	3.4	92
50	A Hybrid Optimization Algorithm with Bayesian Inference for Probabilistic Model Updating. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 602-619.	9.8	92
51	A Novel YY1-miR-1 Regulatory Circuit in Skeletal Myogenesis Revealed by Genome-Wide Prediction of YY1-miRNA Network. <i>PLoS ONE</i> , 2012, 7, e27596.	2.5	88
52	High Resolution Size Analysis of Fetal DNA in the Urine of Pregnant Women by Paired-End Massively Parallel Sequencing. <i>PLoS ONE</i> , 2012, 7, e48319.	2.5	86
53	Pax3/7BP Is a Pax7- and Pax3-Binding Protein that Regulates the Proliferation of Muscle Precursor Cells by an Epigenetic Mechanism. <i>Cell Stem Cell</i> , 2012, 11, 231-241.	11.1	84
54	A Twisted Wire-Shaped Dual-Function Energy Device for Photoelectric Conversion and Electrochemical Storage. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6664-6668.	13.8	82

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55	Genome-wide mapping of RNA Pol-II promoter usage in mouse tissues by ChIP-seq. <i>Nucleic Acids Research</i> , 2011, 39, 190-201.	14.5	81
56	Maternal Plasma RNA Sequencing for Genome-Wide Transcriptomic Profiling and Identification of Pregnancy-Associated Transcripts. <i>Clinical Chemistry</i> , 2014, 60, 954-962.	3.2	80
57	Identifying estrogen receptor \hat{A} target genes using integrated computational genomics and chromatin immunoprecipitation microarray. <i>Nucleic Acids Research</i> , 2004, 32, 6627-6635.	14.5	79
58	An intercalated graphene/(molybdenum disulfide) hybrid fiber for capacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 925-930.	10.3	78
59	An all-solid-state fiber-type solar cell achieving 9.49% efficiency. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10105-10109.	10.3	77
60	Core-shell Carbon Nanostructured Fibers for Efficient Wire-shaped Dye-sensitized Solar Cells. <i>Advanced Materials</i> , 2014, 26, 1694-1698.	21.0	76
61	Distinct Chemokine Signaling Regulates Integrin Ligand Specificity to Dictate Tissue-Specific Lymphocyte Homing. <i>Developmental Cell</i> , 2014, 30, 61-70.	7.0	75
62	Quasi-solid-state, coaxial, fiber-shaped dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 345-349.	10.3	73
63	MyoD induced enhancer RNA interacts with hnRNPL to activate target gene transcription during myogenic differentiation. <i>Nature Communications</i> , 2019, 10, 5787.	12.8	70
64	Statistical Regularization for Identification of Structural Parameters and External Loadings Using State Space Models. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 843-858.	9.8	68
65	Transient dynamic behavior of polypropylene fiber reinforced mortar under compressive impact loading. <i>Construction and Building Materials</i> , 2016, 111, 30-42.	7.2	67
66	Genome wide ChIP-chip analyses reveal important roles for CTCF in Drosophila genome organization. <i>Developmental Biology</i> , 2009, 328, 518-528.	2.0	65
67	<i>FetalQuant</i> : deducing fractional fetal DNA concentration from massively parallel sequencing of DNA in maternal plasma. <i>Bioinformatics</i> , 2012, 28, 2883-2890.	4.1	65
68	Noninvasive Prenatal Determination of Twin Zygosity by Maternal Plasma DNA Analysis. <i>Clinical Chemistry</i> , 2013, 59, 427-435.	3.2	64
69	Simultaneous identification of structural parameters and dynamic input with incomplete output-only measurements. <i>Structural Control and Health Monitoring</i> , 2014, 21, 868-889.	4.0	63
70	Probabilistic updating of building models using incomplete modal data. <i>Mechanical Systems and Signal Processing</i> , 2016, 75, 27-40.	8.0	61
71	Transcriptional Pause Release Is a Rate-Limiting Step for Somatic Cell Reprogramming. <i>Cell Stem Cell</i> , 2014, 15, 574-588.	11.1	60
72	Integrated long non-coding RNA analyses identify novel regulators of epithelial-mesenchymal transition in the mouse model of pulmonary fibrosis. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1234-1246.	3.6	60

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73	Camera-Based Vibration Measurement of the World War I Memorial Bridge in Portsmouth, New Hampshire. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	59
74	Noninvasive Prenatal Diagnosis of Fetal Trisomy 21 by Allelic Ratio Analysis Using Targeted Massively Parallel Sequencing of Maternal Plasma DNA. <i>PLoS ONE</i> , 2012, 7, e38154.	2.5	58
75	Nondestructive identification of multiple flaws using XFEM and a topologically adapting artificial bee colony algorithm. <i>International Journal for Numerical Methods in Engineering</i> , 2013, 95, 871-900.	2.8	56
76	Methy-Pipe: An Integrated Bioinformatics Pipeline for Whole Genome Bisulfite Sequencing Data Analysis. <i>PLoS ONE</i> , 2014, 9, e100360.	2.5	54
77	Characterization of the nasopharyngeal carcinoma methylome identifies aberrant disruption of key signaling pathways and methylated tumor suppressor genes. <i>Epigenomics</i> , 2015, 7, 155-173.	2.1	52
78	Talin-1 is the principal platelet Rap1 effector of integrin activation. <i>Blood</i> , 2020, 136, 1180-1190.	1.4	52
79	Distribution and bioavailability of rare earth elements in aquatic microcosm. <i>Chemosphere</i> , 1999, 39, 2443-2450.	8.2	50
80	Photovoltaic Wire with High Efficiency Attached onto and Detached from a Substrate Using a Magnetic Field. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8276-8280.	13.8	49
81	A high-performance potassium metal battery using safe ionic liquid electrolyte. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27847-27853.	7.1	49
82	A multiscale flaw detection algorithm based on XFEM. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 100, 477-503.	2.8	48
83	High-Affinity Bent β 2-Integrin Molecules in Arresting Neutrophils Face Each Other through Binding to ICAMs In cis. <i>Cell Reports</i> , 2019, 26, 119-130.e5.	6.4	46
84	A Lithium-Air Battery Stably Working at High Temperature with High Rate Performance. <i>Small</i> , 2018, 14, 1703454.	10.0	44
85	Integrating photovoltaic conversion and lithium ion storage into a flexible fiber. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7601-7605.	10.3	42
86	MPromDb: an integrated resource for annotation and visualization of mammalian gene promoters and ChIP-chip experimental data. <i>Nucleic Acids Research</i> , 2006, 34, D98-D103.	14.5	41
87	Identification of traffic-induced nodal excitations of truss bridges through heterogeneous data fusion. <i>Smart Materials and Structures</i> , 2015, 24, 075032.	3.5	39
88	A guided Bayesian inference approach for detection of multiple flaws in structures using the extended finite element method. <i>Computers and Structures</i> , 2015, 152, 27-44.	4.4	35
89	Bile acids evoke placental inflammation by activating G β 1/NF- κ B pathway in intrahepatic cholestasis of pregnancy. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 530-541.	3.3	33
90	A sweeping window method for detection of flaws using an explicit dynamic XFEM and absorbing boundary layers. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 105, 1014-1040.	2.8	33

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91	Winding ultrathin, transparent, and electrically conductive carbon nanotube sheets into high-performance fiber-shaped dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12422.	10.3	32
92	The creation of hollow walls in carbon nanotubes for high-performance lithium ion batteries. <i>Carbon</i> , 2018, 133, 384-389.	10.3	32
93	Sparse Bayesian learning for structural damage identification. <i>Mechanical Systems and Signal Processing</i> , 2020, 140, 106689.	8.0	32
94	Multicolor, Fluorescent Supercapacitor Fiber. <i>Small</i> , 2018, 14, e1702052.	10.0	30
95	Rap1 binding to the talin 1 FO domain makes a minimal contribution to murine platelet GPIIb-IIIa activation. <i>Blood Advances</i> , 2018, 2, 2358-2368.	5.2	30
96	Kindlin-3 recruitment to the plasma membrane precedes high-affinity $\alpha 2$ -integrin and neutrophil arrest from rolling. <i>Blood</i> , 2021, 137, 29-38.	1.4	30
97	Continuous Monitoring of High-Rise Buildings Using Seismic Interferometry. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 2759-2773.	2.3	29
98	Integrin $\alpha 4 \beta 7$ switches its ligand specificity via distinct conformer-specific activation. <i>Journal of Cell Biology</i> , 2018, 217, 2799-2812.	5.2	29
99	Doxycycline alleviates paraquat-induced acute lung injury by inhibiting neutrophil-derived matrix metalloproteinase 9. <i>International Immunopharmacology</i> , 2019, 72, 243-251.	3.8	29
100	A Novel Slicing Method for Thin Supercapacitors. <i>Advanced Materials</i> , 2016, 28, 6429-6435.	21.0	28
101	Distinct integrin activation pathways for effector and regulatory T cell trafficking and function. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	27
102	Clinical factors in patients with ischemic versus hemorrhagic stroke in East China. <i>World Journal of Emergency Medicine</i> , 2011, 2, 18.	1.0	27
103	OMGProm: a database of orthologous mammalian gene promoters. <i>Bioinformatics</i> , 2005, 21, 835-836.	4.1	26
104	Amphiphilic core-sheath structured composite fiber for comprehensively performed supercapacitor. <i>Science China Materials</i> , 2019, 62, 955-964.	6.3	26
105	Noninvasive Prenatal Diagnosis of a Case of Down Syndrome due to Robertsonian Translocation by Massively Parallel Sequencing of Maternal Plasma DNA. <i>Clinical Chemistry</i> , 2011, 57, 917-919.	3.2	25
106	Alignment of Thermally Conducting Nanotubes Making High-Performance Light-Driving Motors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26765-26771.	8.0	24
107	GOTI, a method to identify genome-wide off-target effects of genome editing in mouse embryos. <i>Nature Protocols</i> , 2020, 15, 3009-3029.	12.0	24
108	Stable wire-shaped dye-sensitized solar cells based on eutectic melts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3841.	10.3	23

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109	Long noncoding RNA SAM promotes myoblast proliferation through stabilizing Sgt1 and facilitating kinetochore assembly. <i>Nature Communications</i> , 2020, 11, 2725.	12.8	23
110	Energy harvesting and storage devices fused into various patterns. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14977-14984.	10.3	22
111	Transmission of integrin $\beta 7$ transmembrane domain topology enables gut lymphoid tissue development. <i>Journal of Cell Biology</i> , 2018, 217, 1453-1465.	5.2	22
112	$\beta 7$ Integrin Inhibition Can Increase Intestinal Inflammation by Impairing Homing of CD25 ^{hi} FoxP3 ⁺ Regulatory T Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 369-385.	4.5	22
113	Genome Wide Nucleosome Mapping for HSV-1 Shows Nucleosomes Are Deposited at Preferred Positions during Lytic Infection. <i>PLoS ONE</i> , 2015, 10, e0117471.	2.5	21
114	mTFkb: a knowledgebase for fundamental annotation of mouse transcription factors. <i>Scientific Reports</i> , 2017, 7, 3022.	3.3	21
115	Spatiotemporal Deep Learning for Bridge Response Forecasting. <i>Journal of Structural Engineering</i> , 2021, 147, .	3.4	21
116	Sebnif: An Integrated Bioinformatics Pipeline for the Identification of Novel Large Intergenic Noncoding RNAs (lincRNAs) - Application in Human Skeletal Muscle Cells. <i>PLoS ONE</i> , 2014, 9, e84500.	2.5	21
117	The Deformations of Carbon Nanotubes under Cutting. <i>ACS Nano</i> , 2017, 11, 8464-8470.	14.6	20
118	A tagging SNP in ALOX5AP and risk of stroke: a haplotype-based analysis among eastern Chinese Han population. <i>Molecular Biology Reports</i> , 2011, 38, 4731-4738.	2.3	19
119	Analysis of wind-induced vibration of fluid-structure interaction system for isolated aqueduct bridge. <i>Engineering Structures</i> , 2013, 46, 28-37.	5.3	19
120	Large scale RNA-binding proteins/LncRNAs interaction analysis to uncover lncRNA nuclear localization mechanisms. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	19
121	The CC $\epsilon 2$ and DE Loops in Ig Domains 1 and 2 of MAdCAM-1 Play Different Roles in MAdCAM-1 Binding to Low- and High-affinity Integrin $\beta 7$. <i>Journal of Biological Chemistry</i> , 2011, 286, 12086-12092.	3.4	18
122	The MIT Green Building benchmark problem for structural health monitoring of tall buildings. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2115.	4.0	18
123	MicroRNAs: Novel components in a muscle gene regulatory network. <i>Cell Cycle</i> , 2009, 8, 1833-1837.	2.6	17
124	Frontline Science: A flexible kink in the transmembrane domain impairs $\beta 2$ integrin extension and cell arrest from rolling. <i>Journal of Leukocyte Biology</i> , 2020, 107, 175-183.	3.3	15
125	Integration of data-driven and physics-based modeling of wind waves in a shallow estuary. <i>Ocean Modelling</i> , 2022, 172, 101978.	2.4	15
126	HemoPDB: Hematopoiesis Promoter Database, an information resource of transcriptional regulation in blood cell development. <i>Nucleic Acids Research</i> , 2004, 32, 86D-90.	14.5	14

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127	SFRS7-Mediated Splicing of Tau Exon 10 Is Directly Regulated by STOX1A in Glial Cells. PLoS ONE, 2011, 6, e21994.	2.5	14
128	Prediction of pre-miRNA with multiple stem-loops using pruning algorithm. Computers in Biology and Medicine, 2013, 43, 409-416.	7.0	14
129	Shear and extensional rheology of entangled polymer melts: Similarities and differences. Science China Chemistry, 2012, 55, 779-786.	8.2	13
130	Experimental study on dynamic properties and constitutive model of polypropylene fibre concrete under high-strain rates. European Journal of Environmental and Civil Engineering, 2013, 17, s294-s303.	2.1	13
131	GeneCT: a generalizable cancerous status and tissue origin classifier for pan-cancer biopsies. Bioinformatics, 2018, 34, 4129-4130.	4.1	13
132	Computational modeling of a unique tower in Kuwait for structural health monitoring: Numerical investigations. Structural Control and Health Monitoring, 2019, 26, e2317.	4.0	13
133	Sparse representation for damage identification of structural systems. Structural Health Monitoring, 2021, 20, 1644-1656.	7.5	13
134	Java-based application framework for visualization of gene regulatory region annotations. Bioinformatics, 2004, 20, 727-734.	4.1	12
135	lncFunTK: a toolkit for functional annotation of long noncoding RNAs. Bioinformatics, 2018, 34, 3415-3416.	4.1	12
136	Machine Learning Approach for Sequence Clustering with Applications to Ground-Motion Selection. Journal of Engineering Mechanics - ASCE, 2020, 146, .	2.9	12
137	Lidocaine Alleviates Sepsis-Induced Acute Lung Injury in Mice by Suppressing Tissue Factor and Matrix Metalloproteinase-2/9. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	4.0	11
138	The Plasma Concentration of MUC5B Is Associated with Clinical Outcomes in Paraquat-poisoned Patients. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 663-665.	5.6	10
139	Structural damage detection using Bayesian inference and seismic interferometry. Structural Control and Health Monitoring, 2019, 26, e2445.	4.0	10
140	Association of ALOX5AP with ischemic stroke in eastern Chinese. World Journal of Emergency Medicine, 2012, 3, 108.	1.0	10
141	Highly elastic and low resistance deformable current collectors for safe and high-performance silicon and metallic lithium anodes. Journal of Power Sources, 2021, 511, 230418.	7.8	9
142	YY1TargetDB: an integral information resource for Yin Yang 1 target loci. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat007.	3.0	8
143	Genome-wide RNA-seq and ChIP-seq reveal Linc-YY1 function in regulating YY1/PRC2 activity during skeletal myogenesis. Genomics Data, 2016, 7, 247-249.	1.3	8
144	Time-resolved proteome and transcriptome of paraquat-induced pulmonary fibrosis. Pulmonary Pharmacology and Therapeutics, 2022, 75, 102145.	2.6	8

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145	Programmable actuating systems based on swimming fiber robots. Carbon, 2018, 139, 241-247.	10.3	7
146	Resonance mechanism of wind-induced isolated aqueduct-water coupling system. Engineering Structures, 2013, 57, 73-86.	5.3	6
147	Direct Binding of Rap1 to Talin1 and to MRL Proteins Promotes Integrin Activation in CD4+ T Cells. Journal of Immunology, 2022, 208, 1378-1388.	0.8	6
148	Prediction of drug capturing by lipid emulsions in vivo for the treatment of a drug overdose. Journal of Controlled Release, 2022, 346, 148-157.	9.9	6
149	The MUC5B Mucin Is Involved in Paraquat-Induced Lung Inflammation. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-15.	4.0	5
150	The hydrophobic contacts between the center of the $\beta 2$ domain and the $\beta 1/\beta 7$ helices are crucial for the low-affinity state of integrin $\alpha 4\beta 2$. FEBS Journal, 2014, 281, 2915-2926.	4.7	4
151	A two-scale algorithm for detection of multiple flaws in structures modeled with XFEM. Proceedings of SPIE, 2014, , .	0.8	4
152	Quantification and toxicokinetics of paraquat in mouse plasma and lung tissues by internal standard surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2022, 414, 2371-2383.	3.7	4
153	Bayesian model updating using incomplete modal data without mode matching. , 2016, , .		3
154	SKmDB: an integrated database of next generation sequencing information in skeletal muscle. Bioinformatics, 2019, 35, 847-855.	4.1	2
155	Isolation and Purification of Mouse Brain Endothelial Cells to Study Cerebral Cavernous Malformation Disease. Methods in Molecular Biology, 2020, 2152, 139-150.	0.9	2
156	Association between genetic variants of the leukotriene biosynthesis pathway and the risk of stroke: a case-control study in the Chinese Han population. Chinese Medical Journal, 2013, 126, 254-9.	2.3	2
157	Case report of intramuscular injection of diquat. Clinical Toxicology, 2022, , 1-3.	1.9	2
158	Forecasting of nonlinear dynamics based on symbolic invariance. Computer Physics Communications, 2022, 277, 108382.	7.5	2
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