

# Jie Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

272  
papers

17,404  
citations

11651

70  
h-index

17105

122  
g-index

279  
all docs

279  
docs citations

279  
times ranked

20044  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible elemental thermoelectrics with ultra-high power density. <i>Materials Today Energy</i> , 2022, 25, 100964.	4.7	20
2	Integrating recyclable polymers into thermoelectric devices for green electronics. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19787-19796.	10.3	21
3	SynLethDB 2.0: a web-based knowledge graph database on synthetic lethality for novel anticancer drug discovery. <i>Database: the Journal of Biological Databases and Curation</i> , 2022, 2022, .	3.0	16
4	Ensemble learning models that predict surface protein abundance from single-cell multimodal omics data. <i>Methods</i> , 2021, 189, 65-73.	3.8	13
5	Current research progress and perspectives on liquid hydrogen rich molecules in sustainable hydrogen storage. <i>Energy Storage Materials</i> , 2021, 35, 695-722.	18.0	76
6	Current Research Trends and Perspectives on Solid-State Nanomaterials in Hydrogen Storage. <i>Research</i> , 2021, 2021, 3750689.	5.7	45
7	Halogen bonding regulated functional nanomaterials. <i>Nanoscale Advances</i> , 2021, 3, 6342-6357.	4.6	23
8	Graph contextualized attention network for predicting synthetic lethality in human cancers. <i>Bioinformatics</i> , 2021, 37, 2432-2440.	4.1	25
9	Therapeutic targeting of the mitochondrial one-carbon pathway: perspectives, pitfalls, and potential. <i>Oncogene</i> , 2021, 40, 2339-2354.	5.9	36
10	Velo-Predictor: an ensemble learning pipeline for RNA velocity prediction. <i>BMC Bioinformatics</i> , 2021, 22, 419.	2.6	4
11	PIKE-R2P: Protein-protein interaction network-based knowledge embedding with graph neural network for single-cell RNA to protein prediction. <i>BMC Bioinformatics</i> , 2021, 22, 139.	2.6	8
12	KG4SL: knowledge graph neural network for synthetic lethality prediction in human cancers. <i>Bioinformatics</i> , 2021, 37, i418-i425.	4.1	31
13	The Translational Application of Hydrogel for Organoid Technology: Challenges and Future Perspectives. <i>Macromolecular Bioscience</i> , 2021, 21, e2100191.	4.1	16
14	Vitrimers: Current research trends and their emerging applications. <i>Materials Today</i> , 2021, 51, 586-625.	14.2	135
15	Suppressing Ge-vacancies to achieve high single-leg efficiency in GeTe with an ultra-high room temperature power factor. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23335-23344.	10.3	38
16	Predicting Synthetic Lethality in Human Cancers via Multi-Graph Ensemble Neural Network. , 2021, 2021, 1731-1734.		4
17	Bayesian Data Fusion of Gene Expression and Histone Modification Profiles for Inference of Gene Regulatory Network. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, 17, 516-525.	3.0	6
18	Temperature-Directed Micellar Morphological Transformation Using ABC-Block Copolymers and Its Applications in Encapsulation and Hidden Segment. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1941-1949.	13.8	9

#	ARTICLE	IF	CITATIONS
19	SL <sup>2</sup> MF: Predicting Synthetic Lethality in Human Cancers via Logistic Matrix Factorization. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 748-757.	3.0	32
20	A Monte Carlo method for in silico modeling and visualization of Waddington's epigenetic landscape with intermediate details. BioSystems, 2020, 198, 104275.	2.0	8
21	Systematic study on evolution of self-assembly morphologies of CABC tetrablock terpolymers with varied segment lengths. Polymer Chemistry, 2020, 11, 3987-3993.	3.9	7
22	Guest Editorial for the 29th International Conference on Genome Informatics (GIW 2018). IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 726-727.	3.0	0
23	Synthesis of ABC Miktoarm Star Copolymers via Organocatalyzed Living Radical Polymerization. Macromolecular Rapid Communications, 2020, 41, e1900623.	3.9	8
24	Organocatalyzed Living Radical Polymerization of Itaconates and Self-Assemblies of Rod-Coil Block Copolymers. Macromolecular Rapid Communications, 2020, 41, e2000075.	3.9	9
25	Whole Genome Sequencing Analysis. , 2019, , 176-183.		6
26	Genome Analysis " Identification of Genes Involved in Host-Pathogen Protein-Protein Interaction Networks. , 2019, , 410-424.		0
27	Human PRPF40B regulates hundreds of alternative splicing targets and represses a hypoxia expression signature. Rna, 2019, 25, 905-920.	3.5	15
28	Boolean network modeling of $\beta$ -cell apoptosis and insulin resistance in type 2 diabetes mellitus. BMC Systems Biology, 2019, 13, 36.	3.0	12
29	An Encoding Scheme Capturing Generic Priors and Properties of Amino Acids Improves Protein Classification. IEEE Access, 2019, 7, 7348-7356.	4.2	1
30	Topic Judgment Helps Question Similarity Prediction in Medical FAQ Dialogue Systems. , 2019, , .		0
31	Emerging deep learning methods for single-cell RNA-seq data analysis. Quantitative Biology, 2019, 7, 247-254.	0.5	25
32	Mathematical modelling of core regulatory mechanism in p53 protein that activates apoptotic switch. Journal of Theoretical Biology, 2019, 462, 134-147.	1.7	10
33	General Strategy To Fabricate Strong and Tough Low-Molecular-Weight Gelator-Based Supramolecular Hydrogels with Double Network Structure. Chemistry of Materials, 2018, 30, 1743-1754.	6.7	82
34	Ac-LVFFARK-NH <sub>2</sub> conjugation to $\beta$ -cyclodextrin exhibits significantly enhanced performance on inhibiting amyloid $\beta$ -protein fibrillogenesis and cytotoxicity. Biophysical Chemistry, 2018, 235, 40-47.	2.8	38
35	Temperature-Selective Dual Radical Generation from Alkyl Diiodide: Applications to Synthesis of Asymmetric CABC Multi-Block Copolymers and Their Unique Assembly Structures. Angewandte Chemie, 2018, 130, 1568-1572.	2.0	11
36	Structural Dependence of Salt-Responsive Polyzwitterionic Brushes with an Anti-Polyelectrolyte Effect. Langmuir, 2018, 34, 97-105.	3.5	80

#	ARTICLE	IF	CITATIONS
37	Temperature-Selective Dual Radical Generation from Alkyl Diiodide: Applications to Synthesis of Asymmetric CABC Multi-Block Copolymers and Their Unique Assembly Structures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1552-1556.	13.8	24
38	Integration of antifouling and antibacterial properties in salt-responsive hydrogels with surface regeneration capacity. <i>Journal of Materials Chemistry B</i> , 2018, 6, 950-960.	5.8	78
39	TROVE: a user-friendly tool for visualizing and analyzing cancer hallmarks in signaling networks. <i>Bioinformatics</i> , 2018, 34, 314-316.	4.1	0
40	Sulfated zwitterionic poly(sulfobetaine methacrylate) hydrogels promote complete skin regeneration. <i>Acta Biomaterialia</i> , 2018, 71, 293-305.	8.3	112
41	Solution-processed broadband polymer photodetectors with a spectral response of up to 2.5 $\mu\text{m}$ by a low bandgap donor-acceptor conjugated copolymer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3634-3641.	5.5	79
42	Tanshinones inhibit hIAPP aggregation, disaggregate preformed hIAPP fibrils, and protect cultured cells. <i>Journal of Materials Chemistry B</i> , 2018, 6, 56-67.	5.8	58
43	A context-free encoding scheme of protein sequences for predicting antigenicity of diverse influenza A viruses. <i>BMC Genomics</i> , 2018, 19, 936.	2.8	9
44	Predicting antigenic variants of H1N1 influenza virus based on epidemics and pandemics using a stacking model. <i>PLoS ONE</i> , 2018, 13, e0207777.	2.5	40
45	Single-cell gene expression analysis reveals $\beta$ -cell dysfunction and deficit mechanisms in type 2 diabetes. <i>BMC Bioinformatics</i> , 2018, 19, 515.	2.6	16
46	Computational identification of physicochemical signatures for host tropism of influenza A virus. <i>Journal of Bioinformatics and Computational Biology</i> , 2018, 16, 1840023.	0.8	12
47	Alternative splicing analysis in human monocytes and macrophages reveals MBNL1 as major regulator. <i>Nucleic Acids Research</i> , 2018, 46, 6069-6086.	14.5	49
48	Composite mathematical modeling of calcium signaling behind neuronal cell death in Alzheimer's disease. <i>BMC Systems Biology</i> , 2018, 12, 10.	3.0	13
49	Computational analysis of the receptor binding specificity of novel influenza A/H7N9 viruses. <i>BMC Genomics</i> , 2018, 19, 88.	2.8	8
50	LDSplitDB: a database for studies of meiotic recombination hotspots in MHC using human genomic data. <i>BMC Medical Genomics</i> , 2018, 11, 27.	1.5	2
51	Experimental and Computational Protocols for Studies of Cross-Seeding Amyloid Assemblies. <i>Methods in Molecular Biology</i> , 2018, 1777, 429-447.	0.9	8
52	Dynamical analysis of cellular ageing by modeling of gene regulatory network based attractor landscape. <i>PLoS ONE</i> , 2018, 13, e0197838.	2.5	5
53	Group-sparse Modeling Drug-kinase Networks for Predicting Combinatorial Drug Sensitivity in Cancer Cells. <i>Current Bioinformatics</i> , 2018, 13, 437-443.	1.5	15
54	Design of a Molecular Hybrid of Dual Peptide Inhibitors Coupled on AuNPs for Enhanced Inhibition of Amyloid $\beta$ -Protein Aggregation and Cytotoxicity. <i>Small</i> , 2017, 13, 1601666.	10.0	82

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55	Identification of a New Function of Cardiovascular Disease Drug 3-Morpholinopyridone Hydrochloride as an Amyloid- $\beta$ Aggregation Inhibitor. <i>ACS Omega</i> , 2017, 2, 243-250.	3.5	12
56	Promotional effect of Ti doping on the ketonization of acetic acid over a CeO <sub>2</sub> catalyst. <i>RSC Advances</i> , 2017, 7, 22017-22026.	3.6	25
57	Oncogenic KRAS-associated gene signature defines co-targeting of CDK4/6 and MEK as a viable therapeutic strategy in colorectal cancer. <i>Oncogene</i> , 2017, 36, 4975-4986.	5.9	62
58	Importance of zwitterionic incorporation into polymethacrylate-based hydrogels for simultaneously improving optical transparency, oxygen permeability, and antifouling properties. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4595-4606.	5.8	34
59	Salt-Responsive Bilayer Hydrogels with Pseudo-Double-Network Structure Actuated by Polyelectrolyte and Antipolyelectrolyte Effects. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 20843-20851.	8.0	119
60	Membrane Interactions of hIAPP Monomer and Oligomer with Lipid Membranes by Molecular Dynamics Simulations. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1789-1800.	3.5	43
61	Seed-Induced Heterogeneous Cross-Seeding Self-Assembly of Human and Rat Islet Polypeptides. <i>ACS Omega</i> , 2017, 2, 784-792.	3.5	25
62	A Novel Design of Multi- $\mu$ Mechanoresponsive and Mechanically Strong Hydrogels. <i>Advanced Materials</i> , 2017, 29, 1606900.	21.0	215
63	Graphene cryogel-based counter electrode materials freeze-dried using different solution media for dye-sensitized solar cells. <i>Chemical Engineering Journal</i> , 2017, 319, 155-162.	12.7	23
64	Dual physically crosslinked double network hydrogels with high toughness and self-healing properties. <i>Soft Matter</i> , 2017, 13, 911-920.	2.7	94
65	Comparative Study of Graphene Hydrogels and Aerogels Reveals the Important Role of Buried Water in Pollutant Adsorption. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12283-12292.	10.0	114
66	Super Bulk and Interfacial Toughness of Physically Crosslinked Double- $\mu$ Network Hydrogels. <i>Advanced Functional Materials</i> , 2017, 27, 1703086.	14.9	180
67	The energy dissipation and Mullins effect of tough polymer/graphene oxide hybrid nanocomposite hydrogels. <i>Polymer Chemistry</i> , 2017, 8, 4659-4672.	3.9	52
68	Release of Cytochrome C from Bax Pores at the Mitochondrial Membrane. <i>Scientific Reports</i> , 2017, 7, 2635.	3.3	107
69	High strength and self-healable gelatin/polyacrylamide double network hydrogels. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7683-7691.	5.8	144
70	Synthesis and Characterization of Ultralow Fouling Poly( <i>N</i> -acryloyl-glycinamide) Brushes. <i>Langmuir</i> , 2017, 33, 13964-13972.	3.5	31
71	Iminodiacetic acid-conjugated nanoparticles as a bifunctional modulator against Zn <sup>2+</sup> -mediated amyloid $\beta$ -protein aggregation and cytotoxicity. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 973-982.	9.4	33
72	Molecular Simulations of Amyloid Structures, Toxicity, and Inhibition. <i>Israel Journal of Chemistry</i> , 2017, 57, 586-601.	2.3	25

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73	Molecular Understanding of A $\beta$ -hiAPP Cross-Seeding Assemblies on Lipid Membranes. ACS Chemical Neuroscience, 2017, 8, 524-537.	3.5	39
74	Phylogenetic Tree based Method for Uncovering Co-mutational Site-pairs in Influenza Viruses. , 2017, , .		0
75	NetLand: quantitative modeling and visualization of Waddington's epigenetic landscape using probabilistic potential. Bioinformatics, 2017, 33, 1583-1585.	4.1	22
76	Identification of Potential Critical Virulent Sites Based on Hemagglutinin of Influenza a Virus in Past Pandemic Strains. , 2017, , .		6
77	HopLand: single-cell pseudotime recovery using continuous Hopfield network-based modeling of Waddington's epigenetic landscape. Bioinformatics, 2017, 33, i102-i109.	4.1	39
78	A polynomial based model for cell fate prediction in human diseases. BMC Systems Biology, 2017, 11, 126.	3.0	2
79	Branched NaYF <sub>4</sub> :Yb, Er Up-Conversion Phosphors with Luminescent Properties for Anti-Counterfeiting Application. Science of Advanced Materials, 2017, 9, 2223-2233.	0.7	25
80	Power-Law Modeling of Cancer Cell Fates Driven by Signaling Data to Reveal Drug Effects. PLoS ONE, 2016, 11, e0165049.	2.5	0
81	TAPESTRY. , 2016, , .		2
82	Engineering of Tough Double Network Hydrogels. Macromolecular Chemistry and Physics, 2016, 217, 1022-1036.	2.2	123
83	Comparative Study of Heparin-Poloxamer Hydrogel Modified bFGF and aFGF for <i>in Vivo</i> Wound Healing Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 18710-18721.	8.0	133
84	Rules of co-occurring mutations characterize the antigenic evolution of human influenza A/H3N2, A/H1N1 and B viruses. BMC Medical Genomics, 2016, 9, 69.	1.5	11
85	Predictive Modeling of Drug Effects on Signaling Pathways in Diverse Cancer Cell Lines. , 2016, , .		0
86	Sig2GRN: a software tool linking signaling pathway with gene regulatory network for dynamic simulation. BMC Systems Biology, 2016, 10, 123.	3.0	3
87	Knowledge-guided fuzzy logic modeling to infer cellular signaling networks from proteomic data. Scientific Reports, 2016, 6, 35652.	3.3	12
88	Salt-responsive polyzwitterionic materials for surface regeneration between switchable fouling and antifouling properties. Acta Biomaterialia, 2016, 40, 62-69.	8.3	74
89	Heparin-Based Coacervate of FGF2 Improves Dermal Regeneration by Asserting a Synergistic Role with Cell Proliferation and Endogenous Facilitated VEGF for Cutaneous Wound Healing. Biomacromolecules, 2016, 17, 2168-2177.	5.4	99
90	How Does Hyperphosphorylation Promote Tau Aggregation and Modulate Filament Structure and Stability?. ACS Chemical Neuroscience, 2016, 7, 565-575.	3.5	27

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91	Zwitterionic Modifications for Enhancing the Antifouling Properties of Poly(vinylidene fluoride) Membranes. <i>Langmuir</i> , 2016, 32, 4113-4124.	3.5	46
92	Improvement of Mechanical Strength and Fatigue Resistance of Double Network Hydrogels by Ionic Coordination Interactions. <i>Chemistry of Materials</i> , 2016, 28, 5710-5720.	6.7	237
93	A comparative study of the mechanical properties of hybrid double-network hydrogels in swollen and as-prepared states. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5814-5824.	5.8	62
94	Highly electrically conductive polyethylenedioxythiophene thin films for thermoelectric applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12730-12738.	10.3	20
95	Oncogenic Mutations Differentially Affect Bax Monomer, Dimer, and Oligomeric Pore Formation in the Membrane. <i>Scientific Reports</i> , 2016, 6, 33340.	3.3	11
96	Generalized logical model based on network topology to capture the dynamical trends of cellular signaling pathways. <i>BMC Systems Biology</i> , 2016, 10, 7.	3.0	2
97	Alginate/graphene double-network nanocomposite hydrogel beads with low-swelling, enhanced mechanical properties, and enhanced adsorption capacity. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10885-10892.	10.3	225
98	Atomic elucidation of the cyclodextrin effects on DDT solubility and biodegradation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17380-17388.	2.8	12
99	HP- $\beta$ -cyclodextrin as an inhibitor of amyloid- $\beta$ aggregation and toxicity. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20476-20485.	2.8	41
100	Adsorption removal of ciprofloxacin by multi-walled carbon nanotubes with different oxygen contents from aqueous solutions. <i>Chemical Engineering Journal</i> , 2016, 285, 588-595.	12.7	229
101	SynLethDB: synthetic lethality database toward discovery of selective and sensitive anticancer drug targets. <i>Nucleic Acids Research</i> , 2016, 44, D1011-D1017.	14.5	115
102	Molecular Understanding and Structural-Based Design of Polyacrylamides and Polyacrylates as Antifouling Materials. <i>Langmuir</i> , 2016, 32, 3315-3330.	3.5	90
103	The Max-Min High-Order Dynamic Bayesian Network for Learning Gene Regulatory Networks with Time-Delayed Regulations. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2016, 13, 792-803.	3.0	25
104	Magnetic iron oxide nanoparticles functionalized multi-walled carbon nanotubes for toluene, ethylbenzene and xylene removal from aqueous solution. <i>Chemosphere</i> , 2016, 146, 162-172.	8.2	88
105	Hemocompatible interface control via thermal-activated bio-inspired surface PEGylation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 409-420.	3.4	7
106	Improvement of performance of a Au@Cu/AC catalyst using thiol for acetylene hydrochlorination reaction. <i>RSC Advances</i> , 2016, 6, 3806-3814.	3.6	13
107	Hemocompatible biomaterials of zwitterionic sulfobetaine hydrogels regulated with pH-responsive DMAEMA random sequences. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 65-74.	3.4	19
108	A computational study of self-assembled hexapeptide inhibitors against amyloid- $\beta$ ( $A\beta$ ) aggregation. <i>Physical Chemistry Chemical Physics</i> , 2016, 19, 155-166.	2.8	18

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109	Water-enhanced Removal of Ciprofloxacin from Water by Porous Graphene Hydrogel. Scientific Reports, 2015, 5, 13578.	3.3	134
110	ARG-walker: inference of individual specific strengths of meiotic recombination hotspots by population genomics analysis. BMC Genomics, 2015, 16, S1.	2.8	37
111	Design of hemocompatible poly(DMAEMA-co-PEGMA) hydrogels for controlled release of insulin. Journal of Applied Polymer Science, 2015, 132, .	2.6	10
112	Structure-Thermodynamics-Antioxidant Activity Relationships of Selected Natural Phenolic Acids and Derivatives: An Experimental and Theoretical Evaluation. PLoS ONE, 2015, 10, e0121276.	2.5	117
113	Improving compound-protein interaction prediction by building up highly credible negative samples. Bioinformatics, 2015, 31, i221-i229.	4.1	201
114	Bulk heterojunction perovskite hybrid solar cells with large fill factor. Energy and Environmental Science, 2015, 8, 1245-1255.	30.8	252
115	A Novel Design Strategy for Fully Physically Linked Double Network Hydrogels with Tough, Fatigue Resistant, and Self-Healing Properties. Advanced Functional Materials, 2015, 25, 1598-1607.	14.9	511
116	PEGylated Poly(3-hydroxybutyrate) Scaffold for Hydration-Driven Cell Infiltration, Neo-Tissue Ingrowth, and Osteogenic Potential. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 865-878.	3.4	2
117	A Highly Selective Fluorescent Indicator for Copper Based on a Boron Complex. Journal of Chemical Research, 2015, 39, 36-40.	1.3	1
118	Salt-Responsive Zwitterionic Polymer Brushes with Tunable Friction and Antifouling Properties. Langmuir, 2015, 31, 9125-9133.	3.5	150
119	An Investigation on the Fundamental Interaction between Abeta Peptides and the AT-Rich DNA. Journal of Physical Chemistry B, 2015, 119, 8247-8259.	2.6	1
120	Polymorphic Associations and Structures of the Cross-Seeding of A $\beta$ <sub>42</sub> and hIAPP <sub>37</sub> Polypeptides. Journal of Chemical Information and Modeling, 2015, 55, 1628-1639.	5.4	28
121	Interfacial interaction and lateral association of cross-seeding assemblies between hIAPP and rIAPP oligomers. Physical Chemistry Chemical Physics, 2015, 17, 10373-10382.	2.8	27
122	Mechanically strong hybrid double network hydrogels with antifouling properties. Journal of Materials Chemistry B, 2015, 3, 5426-5435.	5.8	77
123	Design of LVFFARK and LVFFARK-Functionalized Nanoparticles for Inhibiting Amyloid $\beta$ -Protein Fibrillation and Cytotoxicity. ACS Applied Materials & Interfaces, 2015, 7, 5650-5662.	8.0	140
124	Tabersonine Inhibits Amyloid Fibril Formation and Cytotoxicity of A $\beta$ <sub>1-42</sub> . ACS Chemical Neuroscience, 2015, 6, 879-888.	3.5	54
125	Enhanced Thermoelectric Properties of Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) by Binary Secondary Dopants. ACS Applied Materials & Interfaces, 2015, 7, 8984-8989.	8.0	93
126	Computational cell fate modelling for discovery of rewiring in apoptotic network for enhanced cancer drug sensitivity. BMC Systems Biology, 2015, 9, S4.	3.0	7

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127	Fundamentals of double network hydrogels. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3654-3676.	5.8	477
128	Grafting zwitterionic polymer onto cryogel surface enhances protein retention in steric exclusion chromatography on cryogel monolith. <i>Journal of Chromatography A</i> , 2015, 1389, 104-111.	3.7	26
129	A quantitative sequence-â€‘aggregation relationship predictor applied as identification of self-assembled hexapeptides. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 145, 7-16.	3.5	10
130	Isatin-phenylhydrazone dyes and boron complexes with large Stokes shifts: synthesis and solid-state fluorescence characteristics. <i>Tetrahedron</i> , 2015, 71, 3802-3809.	1.9	10
131	Predicting essential genes and synthetic lethality via influence propagation in signaling pathways of cancer cell fates. <i>Journal of Bioinformatics and Computational Biology</i> , 2015, 13, 1541002.	0.8	24
132	Simultaneous Enhancement of Stiffness and Toughness in Hybrid Double-Network Hydrogels via the First, Physically Linked Network. <i>Macromolecules</i> , 2015, 48, 8003-8010.	4.8	116
133	Corrosion inhibition of mild steel by an imidazolium ionic liquid compound: the effect of pH and surface pre-corrosion. <i>RSC Advances</i> , 2015, 5, 95160-95170.	3.6	37
134	Cross-Seeding Interaction between Î² <sup>2</sup> -Amyloid and Human Islet Amyloid Polypeptide. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1759-1768.	3.5	78
135	Sequencing of 15,622 gene-bearing BACs clarifies the gene-dense regions of the barley genome. <i>Plant Journal</i> , 2015, 84, 216-227.	5.7	36
136	Ca <sup>2+</sup> Interacts with Glu-22 of AÎ²(1-42) and Phospholipid Bilayers to Accelerate the AÎ²(1-42) Aggregation Below the Critical Micelle Concentration. <i>Biochemistry</i> , 2015, 54, 6323-6332.	2.5	17
137	Polymorphic cross-seeding amyloid assemblies of amyloid-Î² <sup>2</sup> and human islet amyloid polypeptide. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23245-23256.	2.8	38
138	Introduction to the CSBio2014 special issue. <i>Journal of Bioinformatics and Computational Biology</i> , 2015, 13, 1502002.	0.8	0
139	Single-cell transcriptional analysis to uncover regulatory circuits driving cell fate decisions in early mouse development. <i>Bioinformatics</i> , 2015, 31, 1060-1066.	4.1	43
140	Efficient polymer solar cells fabricated from solvent processing additive solution. <i>Journal of Materials Chemistry C</i> , 2015, 3, 26-32.	5.5	17
141	The aggregation-induced emission enhancement properties of BF <sub>2</sub> complex isatin-phenylhydrazone: Synthesis and fluorescence characteristics. <i>Dyes and Pigments</i> , 2015, 113, 502-509.	3.7	50
142	A Therapeutic Targeting Identification from Microarray Data and Quantitative Network Analysis. <i>Open Access Journal of Science and Technology</i> , 2015, 3, .	0.2	2
143	In Silico Prediction of Synthetic Lethality by Meta-Analysis of Genetic Interactions, Functions, and Pathways in Yeast and Human Cancer. <i>Cancer Informatics</i> , 2014, 13s3, CIN.S14026.	1.9	24
144	Differences in Meiotic Recombination Rates in Childhood Acute Lymphoblastic Leukemia at an MHC Class II Hotspot Close to Disease Associated Haplotypes. <i>PLoS ONE</i> , 2014, 9, e100480.	2.5	9

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145	Finding trans-regulatory genes and protein complexes modulating meiotic recombination hotspots of human, mouse and yeast. <i>BMC Systems Biology</i> , 2014, 8, 107.	3.0	0
146	Atomistic characterization of binding modes and affinity of peptide inhibitors to amyloid- $\beta^2$ protein. <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 433-444.	4.4	15
147	Data-driven prediction of cancer cell fates with a nonlinear model of signaling pathways. , 2014, , .		1
148	Synthesis and characterization of biocompatible polyurethanes for controlled release of hydrophobic and hydrophilic drugs. <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 498-510.	4.4	15
149	Genome-wide analysis in <i>Plasmodium falciparum</i> reveals early and late phases of RNA polymerase II occupancy during the infectious cycle. <i>BMC Genomics</i> , 2014, 15, 959.	2.8	24
150	Syn-Lethality: An Integrative Knowledge Base of Synthetic Lethality towards Discovery of Selective Anticancer Therapies. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	22
151	LDsplit: screening for cis-regulatory motifs stimulating meiotic recombination hotspots by analysis of DNA sequence polymorphisms. <i>BMC Bioinformatics</i> , 2014, 15, 48.	2.6	6
152	Extracting rate changes in transcriptional regulation from MEDLINE abstracts. <i>BMC Bioinformatics</i> , 2014, 15, S4.	2.6	2
153	Probing the weak interaction of proteins with neutral and zwitterionic antifouling polymers. <i>Acta Biomaterialia</i> , 2014, 10, 751-760.	8.3	68
154	Insights into the adsorption of simple benzene derivatives on carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 58036-58046.	3.6	19
155	Carbon monoxide in controlling the surface formation of Group VIII metal nanoparticles. <i>Chemical Communications</i> , 2014, 50, 14013-14016.	4.1	22
156	Molecular understanding of a potential functional link between antimicrobial and amyloid peptides. <i>Soft Matter</i> , 2014, 10, 7425-7451.	2.7	96
157	INGOT: Towards network-driven in silico combination therapy. , 2014, , .		0
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