Jie Zheng

List of Publications by Year
in descending order

272 papers	17,404 citations	12322 69 h-index	17090 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. Materials Today Energy, 2022, 25, 100964.	2.5	20
2	Integrating recyclable polymers into thermoelectric devices for green electronics. Journal of Materials Chemistry A, 2022, 10, 19787-19796.	5.2	21
3	SynLethDB 2.0: a web-based knowledge graph database on synthetic lethality for novel anticancer drug discovery. Database: the Journal of Biological Databases and Curation, 2022, 2022, .	1.4	16
4	Ensemble learning models that predict surface protein abundance from single-cell multimodal omics data. Methods, 2021, 189, 65-73.	1.9	13
5	Current research progress and perspectives on liquid hydrogen rich molecules in sustainable hydrogen storage. Energy Storage Materials, 2021, 35, 695-722.	9.5	76
6	Current Research Trends and Perspectives on Solid-State Nanomaterials in Hydrogen Storage. Research, 2021, 2021, 3750689.	2.8	45
7	Halogen bonding regulated functional nanomaterials. Nanoscale Advances, 2021, 3, 6342-6357.	2.2	23
8	Graph contextualized attention network for predicting synthetic lethality in human cancers. Bioinformatics, 2021, 37, 2432-2440.	1.8	25
9	Therapeutic targeting of the mitochondrial one-carbon pathway: perspectives, pitfalls, and potential. Oncogene, 2021, 40, 2339-2354.	2.6	36
10	Velo-Predictor: an ensemble learning pipeline for RNA velocity prediction. BMC Bioinformatics, 2021, 22, 419.	1.2	4
11	PIKE-R2P: Protein–protein interaction network-based knowledge embedding with graph neural network for single-cell RNA to protein prediction. BMC Bioinformatics, 2021, 22, 139.	1.2	8
12	KG4SL: knowledge graph neural network for synthetic lethality prediction in human cancers. Bioinformatics, 2021, 37, i418-i425.	1.8	31
13	The Translational Application of Hydrogel for Organoid Technology: Challenges and Future Perspectives. Macromolecular Bioscience, 2021, 21, e2100191.	2.1	16
14	Vitrimers: Current research trends and their emerging applications. Materials Today, 2021, 51, 586-625.	8.3	135
15	Suppressing Ge-vacancies to achieve high single-leg efficiency in GeTe with an ultra-high room temperature power factor. Journal of Materials Chemistry A, 2021, 9, 23335-23344.	5.2	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. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 516-525.	1.9	6
18	Temperature‐Directed Micellar Morphological Transformation Using CABC‐Block Copolymers and Its Applications in Encapsulation and Hidden Segment. Angewandte Chemie - International Edition, 2020, 59, 1941-1949.	7.2	9

#	Article	IF	Citations
19	SL^{2}MF: Predicting Synthetic Lethality in Human Cancers via Logistic Matrix Factorization. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 748-757.	1.9	32
20	A Monte Carlo method for in silico modeling and visualization of Waddington's epigenetic landscape with intermediate details. BioSystems, 2020, 198, 104275.	0.9	8
21	Systematic study on evolution of self-assembly morphologies of CABC tetrablock terpolymers with varied segment lengths. Polymer Chemistry, 2020, 11, 3987-3993.	1.9	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.	1.9	0
23	Synthesis of ABC Miktoarm Star Copolymers via Organocatalyzed Living Radical Polymerization. Macromolecular Rapid Communications, 2020, 41, e1900623.	2.0	8
24	Organocatalyzed Living Radical Polymerization of Itaconates and Self-Assemblies of Rod-Coil Block Copolymers. Macromolecular Rapid Communications, 2020, 41, e2000075.	2.0	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.	1.6	15
28	Boolean network modeling of β-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.	2.6	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.	0.3	25
32	Mathematical modelling of core regulatory mechanism in p53 protein that activates apoptotic switch. Journal of Theoretical Biology, 2019, 462, 134-147.	0.8	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.	3.2	82
34	Ac-LVFFARK-NH 2 conjugation to β-cyclodextrin exhibits significantly enhanced performance on inhibiting amyloid β-protein fibrillogenesis and cytotoxicity. Biophysical Chemistry, 2018, 235, 40-47.	1.5	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.	1.6	11
36	Structural Dependence of Salt-Responsive Polyzwitterionic Brushes with an Anti-Polyelectrolyte Effect. Langmuir, 2018, 34, 97-105.	1.6	80

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37	Temperature‐Selective Dual Radical Generation from Alkyl Diiodide: Applications to Synthesis of Asymmetric CABC Multi‐Block Copolymers and Their Unique Assembly Structures. Angewandte Chemie - International Edition, 2018, 57, 1552-1556.	7.2	24
38	Integration of antifouling and antibacterial properties in salt-responsive hydrogels with surface regeneration capacity. Journal of Materials Chemistry B, 2018, 6, 950-960.	2.9	78
39	TROVE: a user-friendly tool for visualizing and analyzing cancer hallmarks in signaling networks. Bioinformatics, 2018, 34, 314-316.	1.8	0
40	Sulfated zwitterionic poly(sulfobetaine methacrylate) hydrogels promote complete skin regeneration. Acta Biomaterialia, 2018, 71, 293-305.	4.1	112
41	Solution-processed broadband polymer photodetectors with a spectral response of up to 2.5 μm by a low bandgap donor–acceptor conjugated copolymer. Journal of Materials Chemistry C, 2018, 6, 3634-3641.	2.7	79
42	Tanshinones inhibit hIAPP aggregation, disaggregate preformed hIAPP fibrils, and protect cultured cells. Journal of Materials Chemistry B, 2018, 6, 56-67.	2.9	58
43	A context-free encoding scheme of protein sequences for predicting antigenicity of diverse influenza A viruses. BMC Genomics, 2018, 19, 936.	1.2	9
44	Predicting antigenic variants of H1N1 influenza virus based on epidemics and pandemics using a stacking model. PLoS ONE, 2018, 13, e0207777.	1.1	40
45	Single-cell gene expression analysis reveals β-cell dysfunction and deficit mechanisms in type 2 diabetes. BMC Bioinformatics, 2018, 19, 515.	1.2	16
46	Computational identification of physicochemical signatures for host tropism of influenza A virus. Journal of Bioinformatics and Computational Biology, 2018, 16, 1840023.	0.3	12
47	Alternative splicing analysis in human monocytes and macrophages reveals MBNL1 as major regulator. Nucleic Acids Research, 2018, 46, 6069-6086.	6.5	49
48	Composite mathematical modeling of calcium signaling behind neuronal cell death in Alzheimer's disease. BMC Systems Biology, 2018, 12, 10.	3.0	13
49	Computational analysis of the receptor binding specificity of novel influenza A/H7N9 viruses. BMC Genomics, 2018, 19, 88.	1.2	8
50	LDSplitDB: a database for studies of meiotic recombination hotspots in MHC using human genomic data. BMC Medical Genomics, 2018, 11, 27.	0.7	2
51	Experimental and Computational Protocols for Studies of Cross-Seeding Amyloid Assemblies. Methods in Molecular Biology, 2018, 1777, 429-447.	0.4	8
52	Dynamical analysis of cellular ageing by modeling of gene regulatory network based attractor landscape. PLoS ONE, 2018, 13, e0197838.	1.1	5
53	Group-sparse Modeling Drug-kinase Networks for Predicting Combinatorial Drug Sensitivity in Cancer Cells. Current Bioinformatics, 2018, 13, 437-443.	0.7	15
54	Design of a Molecular Hybrid of Dual Peptide Inhibitors Coupled on AuNPs for Enhanced Inhibition of Amyloid β-Protein Aggregation and Cytotoxicity. Small, 2017, 13, 1601666.	5.2	82

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55	Identification of a New Function of Cardiovascular Disease Drug 3-Morpholinosydnonimine Hydrochloride as an Amyloid-β Aggregation Inhibitor. ACS Omega, 2017, 2, 243-250.	1.6	12
56	Promotional effect of Ti doping on the ketonization of acetic acid over a CeO_2 catalyst. RSC Advances, 2017, 7, 22017-22026.	1.7	25
57	Oncogenic KRAS-associated gene signature defines co-targeting of CDK4/6 and MEK as a viable therapeutic strategy in colorectal cancer. Oncogene, 2017, 36, 4975-4986.	2.6	62
58	Importance of zwitterionic incorporation into polymethacrylate-based hydrogels for simultaneously improving optical transparency, oxygen permeability, and antifouling properties. Journal of Materials Chemistry B, 2017, 5, 4595-4606.	2.9	34
59	Salt-Responsive Bilayer Hydrogels with Pseudo-Double-Network Structure Actuated by Polyelectrolyte and Antipolyelectrolyte Effects. ACS Applied Materials & Interfaces, 2017, 9, 20843-20851.	4.0	119
60	Membrane Interactions of hIAPP Monomer and Oligomer with Lipid Membranes by Molecular Dynamics Simulations. ACS Chemical Neuroscience, 2017, 8, 1789-1800.	1.7	43
61	Seed-Induced Heterogeneous Cross-Seeding Self-Assembly of Human and Rat Islet Polypeptides. ACS Omega, 2017, 2, 784-792.	1.6	25
62	A Novel Design of Multiâ€Mechanoresponsive and Mechanically Strong Hydrogels. Advanced Materials, 2017, 29, 1606900.	11.1	215
63	Graphene cryogel-based counter electrode materials freeze-dried using different solution media for dye-sensitized solar cells. Chemical Engineering Journal, 2017, 319, 155-162.	6.6	23
64	Dual physically crosslinked double network hydrogels with high toughness and self-healing properties. Soft Matter, 2017, 13, 911-920.	1.2	94
65	Comparative Study of Graphene Hydrogels and Aerogels Reveals the Important Role of Buried Water in Pollutant Adsorption. Environmental Science & Technology, 2017, 51, 12283-12292.	4.6	114
66	Super Bulk and Interfacial Toughness of Physically Crosslinked Doubleâ€Network Hydrogels. Advanced Functional Materials, 2017, 27, 1703086.	7.8	180
67	The energy dissipation and Mullins effect of tough polymer/graphene oxide hybrid nanocomposite hydrogels. Polymer Chemistry, 2017, 8, 4659-4672.	1.9	52
68	Release of Cytochrome C from Bax Pores at the Mitochondrial Membrane. Scientific Reports, 2017, 7, 2635.	1.6	107
69	High strength and self-healable gelatin/polyacrylamide double network hydrogels. Journal of Materials Chemistry B, 2017, 5, 7683-7691.	2.9	144
70	Synthesis and Characterization of Ultralow Fouling Poly(*N*-acryloyl-glycinamide) Brushes. Langmuir, 2017, 33, 13964-13972.	1.6	31
71	Iminodiacetic acid-conjugated nanoparticles as a bifunctional modulator against Zn2+-mediated amyloid β-protein aggregation and cytotoxicity. Journal of Colloid and Interface Science, 2017, 505, 973-982.	5.0	33
72	Molecular Simulations of Amyloid Structures, Toxicity, and Inhibition. Israel Journal of Chemistry, 2017, 57, 586-601.	1.0	25

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73	Molecular Understanding of AÎ²-hIAPP Cross-Seeding Assemblies on Lipid Membranes. ACS Chemical Neuroscience, 2017, 8, 524-537.	1.7	39
74	Phylogenetic Tree based Method for Uncovering Co-mutational Site-pairs in Influenza Viruses. , 2017, , .		0
75	NetLand: quantitative modeling and visualization of Waddingtonâ€™s epigenetic landscape using probabilistic potential. Bioinformatics, 2017, 33, 1583-1585.	1.8	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 Waddingtonâ€™s epigenetic landscape. Bioinformatics, 2017, 33, i102-i109.	1.8	39
78	A polynomial based model for cell fate prediction in human diseases. BMC Systems Biology, 2017, 11, 126.	3.0	2
79	Branched $NaYF_4$:Yb, Er Up-Conversion Phosphors with Luminescent Properties for Anti-Counterfeiting Application. Science of Advanced Materials, 2017, 9, 2223-2233.	0.1	25
80	Power-Law Modeling of Cancer Cell Fates Driven by Signaling Data to Reveal Drug Effects. PLoS ONE, 2016, 11, e0165049.	1.1	0
81	TAPESTRY. , 2016, , .		2
82	Engineering of Tough Double Network Hydrogels. Macromolecular Chemistry and Physics, 2016, 217, 1022-1036.	1.1	123
83	Comparative Study of Heparin-Poloxamer Hydrogel Modified bFGF and aFGF for *in Vivo* Wound Healing Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 18710-18721.	4.0	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.	0.7	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.	1.6	12
88	Salt-responsive polyzwitterionic materials for surface regeneration between switchable fouling and antifouling properties. Acta Biomaterialia, 2016, 40, 62-69.	4.1	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.	2.6	99
90	How Does Hyperphopsphorylation Promote Tau Aggregation and Modulate Filament Structure and Stability?. ACS Chemical Neuroscience, 2016, 7, 565-575.	1.7	27

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91	Zwitterionic Modifications for Enhancing the Antifouling Properties of Poly(vinylidene fluoride) Membranes. Langmuir, 2016, 32, 4113-4124.	1.6	46
92	Improvement of Mechanical Strength and Fatigue Resistance of Double Network Hydrogels by Ionic Coordination Interactions. Chemistry of Materials, 2016, 28, 5710-5720.	3.2	237
93	A comparative study of the mechanical properties of hybrid double-network hydrogels in swollen and as-prepared states. Journal of Materials Chemistry B, 2016, 4, 5814-5824.	2.9	62
94	Highly electrically conductive polyethylenedioxythiophene thin films for thermoelectric applications. Journal of Materials Chemistry A, 2016, 4, 12730-12738.	5.2	20
95	Oncogenic Mutations Differentially Affect Bax Monomer, Dimer, and Oligomeric Pore Formation in the Membrane. Scientific Reports, 2016, 6, 33340.	1.6	11
96	Generalized logical model based on network topology to capture the dynamical trends of cellular signaling pathways. BMC Systems Biology, 2016, 10, 7.	3.0	2
97	Alginate/graphene double-network nanocomposite hydrogel beads with low-swelling, enhanced mechanical properties, and enhanced adsorption capacity. Journal of Materials Chemistry A, 2016, 4, 10885-10892.	5.2	225
98	Atomic elucidation of the cyclodextrin effects on DDT solubility and biodegradation. Physical Chemistry Chemical Physics, 2016, 18, 17380-17388.	1.3	12
99	HP-Î²-cyclodextrin as an inhibitor of amyloid-Î² aggregation and toxicity. Physical Chemistry Chemical Physics, 2016, 18, 20476-20485.	1.3	41
100	Adsorption removal of ciprofloxacin by multi-walled carbon nanotubes with different oxygen contents from aqueous solutions. Chemical Engineering Journal, 2016, 285, 588-595.	6.6	229
101	SynLethDB: synthetic lethality database toward discovery of selective and sensitive anticancer drug targets. Nucleic Acids Research, 2016, 44, D1011-D1017.	6.5	115
102	Molecular Understanding and Structural-Based Design of Polyacrylamides and Polyacrylates as Antifouling Materials. Langmuir, 2016, 32, 3315-3330.	1.6	90
103	The Max-Min High-Order Dynamic Bayesian Network for Learning Gene Regulatory Networks with Time-Delayed Regulations. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 792-803.	1.9	25
104	Magnetic iron oxide nanoparticles functionalized multi-walled carbon nanotubes for toluene, ethylbenzene and xylene removal from aqueous solution. Chemosphere, 2016, 146, 162-172.	4.2	88
105	Hemocompatible interface control via thermal-activated bio-inspired surface PEGylation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 409-420.	1.8	7
106	Improvement of performance of a Auâ€"Cu/AC catalyst using thiol for acetylene hydrochlorination reaction. RSC Advances, 2016, 6, 3806-3814.	1.7	13
107	Hemocompatible biomaterials of zwitterionic sulfobetaine hydrogels regulated with pH-responsive DMAEMA random sequences. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 65-74.	1.8	19
108	A computational study of self-assembled hexapeptide inhibitors against amyloid-Î² (AÎ²) aggregation. Physical Chemistry Chemical Physics, 2016, 19, 155-166.	1.3	18

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109	Water-enhanced Removal of Ciprofloxacin from Water by Porous Graphene Hydrogel. Scientific Reports, 2015, 5, 13578.	1.6	134
110	ARG-walker: inference of individual specific strengths of meiotic recombination hotspots by population genomics analysis. BMC Genomics, 2015, 16, S1.	1.2	37
111	Design of hemocompatible poly(DMAEMA-*co*-PEGMA) hydrogels for controlled release of insulin. Journal of Applied Polymer Science, 2015, 132, .	1.3	10
112	Structure-Thermodynamics-Antioxidant Activity Relationships of Selected Natural Phenolic Acids and Derivatives: An Experimental and Theoretical Evaluation. PLoS ONE, 2015, 10, e0121276.	1.1	117
113	Improving compound–protein interaction prediction by building up highly credible negative samples. Bioinformatics, 2015, 31, i221-i229.	1.8	201
114	Bulk heterojunction perovskite hybrid solar cells with large fill factor. Energy and Environmental Science, 2015, 8, 1245-1255.	15.6	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.	7.8	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.	1.8	2
117	A Highly Selective Fluorescent Indicator for Copper Based on a Boron Complex. Journal of Chemical Research, 2015, 39, 36-40.	0.6	1
118	Salt-Responsive Zwitterionic Polymer Brushes with Tunable Friction and Antifouling Properties. Langmuir, 2015, 31, 9125-9133.	1.6	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.	1.2	1
120	Polymorphic Associations and Structures of the Cross-Seeding of $A\beta_{1-42}$ and $hIAPP_{1-37}$ Polypeptides. Journal of Chemical Information and Modeling, 2015, 55, 1628-1639.	2.5	28
121	Interfacial interaction and lateral association of cross-seeding assemblies between hIAPP and rIAPP oligomers. Physical Chemistry Chemical Physics, 2015, 17, 10373-10382.	1.3	27
122	Mechanically strong hybrid double network hydrogels with antifouling properties. Journal of Materials Chemistry B, 2015, 3, 5426-5435.	2.9	77
123	Design of LVFFARK and LVFFARK-Functionalized Nanoparticles for Inhibiting Amyloid β-Protein Fibrillation and Cytotoxicity. ACS Applied Materials & Interfaces, 2015, 7, 5650-5662.	4.0	140
124	Tabersonine Inhibits Amyloid Fibril Formation and Cytotoxicity of $A\beta(1-42)$. ACS Chemical Neuroscience, 2015, 6, 879-888.	1.7	54
125	Enhanced Thermoelectric Properties of Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) by Binary Secondary Dopants. ACS Applied Materials & Interfaces, 2015, 7, 8984-8989.	4.0	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. Journal of Materials Chemistry B, 2015, 3, 3654-3676.	2.9	477
128	Grafting zwitterionic polymer onto cryogel surface enhances protein retention in steric exclusion chromatography on cryogel monolith. Journal of Chromatography A, 2015, 1389, 104-111.	1.8	26
129	A quantitative sequenceâ€"aggregation relationship predictor applied as identification of self-assembled hexapeptides. Chemometrics and Intelligent Laboratory Systems, 2015, 145, 7-16.	1.8	10
130	Isatin-phenylhydrazone dyes and boron complexes with large Stokes shifts: synthesis and solid-state fluorescence characteristics. Tetrahedron, 2015, 71, 3802-3809.	1.0	10
131	Predicting essential genes and synthetic lethality via influence propagation in signaling pathways of cancer cell fates. Journal of Bioinformatics and Computational Biology, 2015, 13, 1541002.	0.3	24
132	Simultaneous Enhancement of Stiffness and Toughness in Hybrid Double-Network Hydrogels via the First, Physically Linked Network. Macromolecules, 2015, 48, 8003-8010.	2.2	116
133	Corrosion inhibition of mild steel by an imidazolium ionic liquid compound: the effect of pH and surface pre-corrosion. RSC Advances, 2015, 5, 95160-95170.	1.7	37
134	Cross-Seeding Interaction between Î²-Amyloid and Human Islet Amyloid Polypeptide. ACS Chemical Neuroscience, 2015, 6, 1759-1768.	1.7	78
135	Sequencing of 15Â 622 geneâ€bearing BAC s clarifies the geneâ€dense regions of the barley genome. Plant Journal, 2015, 84, 216-227.	2.8	36
136	Ca^{2+} Interacts with Glu-22 of AÎ²(1â€"42) and Phospholipid Bilayers to Accelerate the AÎ²(1â€"42) Aggregation Below the Critical Micelle Concentration. Biochemistry, 2015, 54, 6323-6332.	1.2	17
137	Polymorphic cross-seeding amyloid assemblies of amyloid-Î² and human islet amyloid polypeptide. Physical Chemistry Chemical Physics, 2015, 17, 23245-23256.	1.3	38
138	Introduction to the CSBio2014 special issue. Journal of Bioinformatics and Computational Biology, 2015, 13, 1502002.	0.3	0
139	Single-cell transcriptional analysis to uncover regulatory circuits driving cell fate decisions in early mouse development. Bioinformatics, 2015, 31, 1060-1066.	1.8	43
140	Efficient polymer solar cells fabricated from solvent processing additive solution. Journal of Materials Chemistry C, 2015, 3, 26-32.	2.7	17
141	The aggregation-induced emission enhancement properties of BF2 complex isatin-phenylhydrazone: Synthesis and fluorescence characteristics. Dyes and Pigments, 2015, 113, 502-509.	2.0	50
142	A Therapeutic Targeting Identification from Microarray Data and Quantitative Network Analysis. Open Access Journal of Science and Technology, 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. Cancer Informatics, 2014, 13s3, CIN.S14026.	0.9	24
144	Differences in Meiotic Recombination Rates in Childhood Acute Lymphoblastic Leukemia at an MHC Class II Hotspot Close to Disease Associated Haplotypes. PLoS ONE, 2014, 9, e100480.	1.1	9

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145	Finding trans-regulatory genes and protein complexes modulating meiotic recombination hotspots of human, mouse and yeast. BMC Systems Biology, 2014, 8, 107.	3.0	0
146	Atomistic characterization of binding modes and affinity of peptide inhibitors to amyloid-Î² protein. Frontiers of Chemical Science and Engineering, 2014, 8, 433-444.	2.3	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. Frontiers of Chemical Science and Engineering, 2014, 8, 498-510.	2.3	15
149	Genome-wide analysis in Plasmodium falciparum reveals early and late phases of RNA polymerase II occupancy during the infectious cycle. BMC Genomics, 2014, 15, 959.	1.2	24
150	Syn-Lethality: An Integrative Knowledge Base of Synthetic Lethality towards Discovery of Selective Anticancer Therapies. BioMed Research International, 2014, 2014, 1-7.	0.9	22
151	LDsplit: screening for cis-regulatory motifs stimulating meiotic recombination hotspots by analysis of DNA sequence polymorphisms. BMC Bioinformatics, 2014, 15, 48.	1.2	6
152	Extracting rate changes in transcriptional regulation from MEDLINE abstracts. BMC Bioinformatics, 2014, 15, S4.	1.2	2
153	Probing the weak interaction of proteins with neutral and zwitterionic antifouling polymers. Acta Biomaterialia, 2014, 10, 751-760.	4.1	68
154	Insights into the adsorption of simple benzene derivatives on carbon nanotubes. RSC Advances, 2014, 4, 58036-58046.	1.7	19
155	Carbon monoxide in controlling the surface formation of Group VIII metal nanoparticles. Chemical Communications, 2014, 50, 14013-14016.	2.2	22
156	Molecular understanding of a potential functional link between antimicrobial and amyloid peptides. Soft Matter, 2014, 10, 7425-7451.	1.2	96
157	INGOT: Towards network-driven in silico combination therapy. , 2014, , .		0
158	Non-selective ion channel activity of polymorphic human islet amyloid polypeptide (amylin) double channels. Physical Chemistry Chemical Physics, 2014, 16, 2368-2377.	1.3	36
159	Reliable and Fast Estimation of Recombination Rates by Convergence Diagnosis and Parallel Markov Chain Monte Carlo. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 63-72.	1.9	10
160	Binding characteristics between polyethylene glycol (PEG) and proteins in aqueous solution. Journal of Materials Chemistry B, 2014, 2, 2983.	2.9	149
161	Cross-Sequence Interactions between Human and Rat Islet Amyloid Polypeptides. Langmuir, 2014, 30, 5193-5201.	1.6	20
162	Synthesis and Characterization of Antifouling Poly(N-acryloylaminoethoxyethanol) with Ultralow Protein Adsorption and Cell Attachment. Langmuir, 2014, 30, 10398-10409.	1.6	66

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163	Probing the Structural Dependence of Carbon Space Lengths of Poly(*N*-hydroxyalkyl)	2.6	52
164	Surface Zwitterionization of Titanium for a General Bio-Inert Control of Plasma Proteins, Blood Cells, Tissue Cells, and Bacteria. Langmuir, 2014, 30, 7502-7512.	1.6	75
165	Enhanced Performance of Polymer Solar Cells using PEDOT:PSS Doped with Fe_3O_4 Magnetic Nanoparticles Aligned by an External Magnetostatic Field as an Anode Buffer Layer. ACS Applied Materials & Interfaces, 2014, 6, 13201-13208.	4.0	30
166	Structural and Energetic Insight into the Cross-Seeding Amyloid Assemblies of Human IAPP and Rat IAPP. Journal of Physical Chemistry B, 2014, 118, 7026-7036.	1.2	34
167	Introducing Mixed-Charge Copolymers As Wound Dressing Biomaterials. ACS Applied Materials & Interfaces, 2014, 6, 9858-9870.	4.0	67
168	Fracture of the Physically Cross-Linked First Network in Hybrid Double Network Hydrogels. Macromolecules, 2014, 47, 2140-2148.	2.2	130
169	De Novo Design of Self-Assembled Hexapeptides as β-Amyloid (Aβ) Peptide Inhibitors. ACS Chemical Neuroscience, 2014, 5, 972-981.	1.7	41
170	Deciphering histone code of transcriptional regulation in malaria parasites by large-scale data mining. Computational Biology and Chemistry, 2014, 50, 3-10.	1.1	5
171	IFACEwat: the interfacial water-implemented re-ranking algorithm to improve the discrimination of near native structures for protein rigid docking. BMC Bioinformatics, 2014, 15, S9.	1.2	2
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