

Hugh O'neill

List of Publications by Year in descending order

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159
papers

6,662
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79946

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times ranked

10691
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#	ARTICLE	IF	CITATIONS
1	Characterization of the <i>In Vivo</i> Deuteration of Native Phospholipids by Mass Spectrometry Yields Guidelines for Their Regiospecific Customization. <i>Analytical Chemistry</i> , 2024, 96, 212-219.	6.8	1
2	Morphological Characterization of Self-Amplifying mRNA Lipid Nanoparticles. <i>ACS Nano</i> , 2024, 18, 1464-1476.	15.3	7
3	Ectopic Production of 3,4-Dihydroxybenzoate <i>in Planta</i> Affects Cellulose Structure and Organization. <i>Biomacromolecules</i> , 2024, 25, 3542-3553.	5.6	2
4	Assessment of antimicrobial activity of melittin encapsulated in bicontinuous microemulsions prepared using renewable oils. <i>Journal of Surfactants and Detergents</i> , 2023, 26, 387-399.	2.0	1
5	Disordered Domain Shifts the Conformational Ensemble of the Folded Regulatory Domain of the Multidomain Oncoprotein c-Src. <i>Biomacromolecules</i> , 2023, 24, 714-723.	5.6	4
6	Spatially confined protein assembly in hierarchical mesoporous metal-organic framework. <i>Nature Communications</i> , 2023, 14, .	13.2	24
7	Potent and selective covalent inhibition of the papain-like protease from SARS-CoV-2. <i>Nature Communications</i> , 2023, 14, .	13.2	25
8	Evidence for Lignin-Carbohydrate Complexes from Studies of Transgenic Switchgrass and a Model Lignin-Pectin Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 15941-15950.	6.9	4
9	Deconvoluting Structures of Component Plant Biopolymers Using Deuterium Labeled <i>Brassica oleracea</i> Stems. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 17238-17248.	6.9	0
10	Structural Reorganization of Noncellulosic Polymers Observed In Situ during Dilute Acid Pretreatment by Small-Angle Neutron Scattering. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 314-322.	6.9	8
11	A machine learning analysis of difficulty scoring systems for laparoscopic liver surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 8869-8880.	2.6	5
12	Engineered zinc oxide-based nanotherapeutics boost systemic antibacterial efficacy against phloem-restricted diseases. <i>Environmental Science: Nano</i> , 2022, 9, 2869-2886.	4.2	8
13	Chemical and Morphological Structure of Transgenic Switchgrass Organosolv Lignin Extracted by Ethanol, Tetrahydrofuran, and ¹³ C-Valerolactone Pretreatments. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9041-9052.	6.9	15
14	Evidence for Plant-Conserved Region Mediated Trimeric CESAs in Plant Cellulose Synthase Complexes. <i>Biomacromolecules</i> , 2022, 23, 3663-3677.	5.6	6
15	Untangling the threads of cellulose mercerization. <i>Nature Communications</i> , 2022, 13, .	13.2	21
16	Cellulose-lignin composite fibres as precursors for carbon fibres. Part 1 - Manufacturing and properties of precursor fibres. <i>Carbohydrate Polymers</i> , 2021, 252, 117133.	10.5	47
17	Selective serotonin reuptake inhibitor or serotonin-norepinephrine reuptake inhibitors and epidemiological characteristics associated with prenatal diagnosis of congenital heart disease. <i>Prenatal Diagnosis</i> , 2021, 41, 35-42.	1.8	7
18	Incorporation of Membrane Proteins Into Bicontinuous Microemulsions Through Winsor III System-Based Extraction. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 649-660.	2.0	2

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19	Small Angle Neutron Scattering Shows Nanoscale PMMA Distribution in Transparent Wood Biocomposites. <i>Nano Letters</i> , 2021, 21, 2883-2890.	9.5	40
20	Biosynthesis and characterization of deuterated chitosan in filamentous fungus and yeast. <i>Carbohydrate Polymers</i> , 2021, 257, 117637.	10.5	10
21	Conformational Dynamics in the Interaction of SARS-CoV-2 Papain-like Protease with Human Interferon-Stimulated Gene 15 Protein. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5608-5615.	4.9	15
22	Highly sensitive and selective 2-nitroaniline chemical sensor based on Ce-doped SnO ₂ nanosheets/Nafion-modified glassy carbon electrode. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1015-1026.	21.5	37
23	Transient and stabilized complexes of Nsp7, Nsp8, and Nsp12 in SARS-CoV-2 replication. <i>Biophysical Journal</i> , 2021, 120, 3152-3165.	0.5	44
24	New Technologies are Needed to Improve the Recycling and Upcycling of Waste Plastics. <i>ChemSusChem</i> , 2021, 14, 3982-3984.	7.5	17
25	Fed-batch production of deuterated protein in <i>Escherichia coli</i> for neutron scattering experimentation. <i>Methods in Enzymology</i> , 2021, 659, 219-240.	1.7	6
26	Ammonia-salt solvent promotes cellulosic biomass deconstruction under ambient pretreatment conditions to enable rapid soluble sugar production at ultra-low enzyme loadings. <i>Green Chemistry</i> , 2020, 22, 204-218.	9.4	32
27	Unusual zwitterionic catalytic site of SARS-CoV-2 main protease revealed by neutron crystallography. <i>Journal of Biological Chemistry</i> , 2020, 295, 17365-17373.	3.5	104
28	Deconstruction of biomass enabled by local demixing of cosolvents at cellulose and lignin surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16776-16781.	7.6	32
29	Effects of soil particles and convective transport on dispersion and aggregation of nanoplastics via small-angle neutron scattering (SANS) and ultra SANS (USANS). <i>PLoS ONE</i> , 2020, 15, e0235893.	2.5	22
30	Combined Small-Angle Neutron Scattering, Diffusion NMR, and Molecular Dynamics Study of a Eutectogel: Illuminating the Dynamical Behavior of Glycine Confined in Bacterial Cellulose Gels. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7647-7658.	2.7	19
31	Structural Insights into Low and High Recalcitrance Natural Poplar Variants Using Neutron and X-ray Scattering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13838-13849.	6.9	9
32	Malleability of the SARS-CoV-2 3CL Mpro Active-Site Cavity Facilitates Binding of Clinical Antivirals. <i>Structure</i> , 2020, 28, 1313-1320.e3.	3.4	115
33	Biochemical and structural analyses reveal that the tumor suppressor neurofibromin (NF1) forms a high-affinity dimer. <i>Journal of Biological Chemistry</i> , 2020, 295, 1105-1119.	3.5	25
34	Nanostructural Analysis of Enzymatic and Non-enzymatic Brown Rot Fungal Deconstruction of the Lignocellulose Cell Wall. <i>Frontiers in Microbiology</i> , 2020, 11, 1389.	3.6	33
35	Structural plasticity of SARS-CoV-2 3CL Mpro active site cavity revealed by room temperature X-ray crystallography. <i>Nature Communications</i> , 2020, 11, 3202.	13.2	368
36	Cellulose synthase interactive1- and microtubule-dependent cell wall architecture is required for acid growth in <i>Arabidopsis hypocotyls</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 2982-2994.	4.9	18

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37	Biochemical and structural analyses reveal that the tumor suppressor neurofibromin (NF1) forms a high-affinity dimer. <i>Journal of Biological Chemistry</i> , 2020, 295, 1105-1119.	3.5	29
38	Room-temperature X-ray crystallography reveals the oxidation and reactivity of cysteine residues in SARS-CoV-2 3CL M ^{pro} : insights into enzyme mechanism and drug design. <i>IUCr</i> , 2020, 7, 1028-1035.	2.3	54
39	In Vitro Vascular-Protective Effects of a Tilapia By-Product Oligopeptide on Angiotensin II-Induced Hypertensive Endothelial Injury in HUVEC by Nrf2/NF- κ B Pathways. <i>Marine Drugs</i> , 2019, 17, 431.	4.6	18
40	Generation of the configurational ensemble of an intrinsically disordered protein from unbiased molecular dynamics simulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20446-20452.	7.6	89
41	Production of deuterated biomass by cultivation of <i>Lemna minor</i> (duckweed) in D ₂ O. <i>Planta</i> , 2019, 249, 1465-1475.	3.3	5
42	Interaction of Zinc Oxide Nanoparticles with Water: Implications for Catalytic Activity. <i>ACS Applied Nano Materials</i> , 2019, 2, 4257-4266.	5.2	32
43	Influence of Chemically Disrupted Photosynthesis on Cyanobacterial Thylakoid Dynamics in <i>Synechocystis</i> sp. PCC 6803. <i>Scientific Reports</i> , 2019, 9, 5711.	3.4	11
44	Incorporation of Melittin Enhances Interfacial Fluidity of Bicontinuous Microemulsions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11197-11206.	3.3	12
45	Structural Studies of Deuterium-Labeled Switchgrass Biomass. <i>ACS Symposium Series</i> , 2019, , 17-32.	0.0	2
46	Identifying Stable Fragments of <i>Arabidopsis thaliana</i> Cellulose Synthase Subunit 3 by Yeast Display. <i>Biotechnology Journal</i> , 2019, 14, e1800353.	3.7	5
47	Hemicellulose-Cellulose Composites Reveal Differences in Cellulose Organization after Dilute Acid Pretreatment. <i>Biomacromolecules</i> , 2019, 20, 893-903.	5.6	23
48	Arabinose substitution effect on xylan rigidity and self-aggregation. <i>Cellulose</i> , 2019, 26, 2267-2278.	5.1	32
49	Tension wood structure and morphology conducive for better enzymatic digestion. <i>Biotechnology for Biofuels</i> , 2018, 11, 44.	6.3	29
50	Direct Determination of Hydroxymethyl Conformations of Plant Cell Wall Cellulose Using ¹ H Polarization Transfer Solid-State NMR. <i>Biomacromolecules</i> , 2018, 19, 1485-1497.	5.6	46
51	Impact of hydration and temperature history on the structure and dynamics of lignin. <i>Green Chemistry</i> , 2018, 20, 1602-1611.	9.4	31
52	Distinguishing Surface versus Bulk Hydroxyl Groups of Cellulose Nanocrystals Using Vibrational Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 70-75.	4.9	33
53	Bicontinuous microemulsions as a biomembrane mimetic system for melittin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 624-632.	2.7	15
54	Neutron scattering in the biological sciences: progress and prospects. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 1129-1168.	2.4	49

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55	Direct Experimental Characterization of Contributions from Self-Motion of Hydrogen and from Interatomic Motion of Heavy Atoms to Protein Anharmonicity. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9956-9961.	2.7	12
56	The Shape of Native Plant Cellulose Microfibrils. <i>Scientific Reports</i> , 2018, 8, 13983.	3.4	98
57	Observation of a structural gradient in Winsor-III microemulsion systems. <i>Soft Matter</i> , 2018, 14, 5270-5276.	2.8	6
58	Collective Excitations in Protein as a Measure of Balance Between its Softness and Rigidity. <i>Journal of Physical Chemistry B</i> , 2017, 121, 923-930.	2.7	3
59	<i>In Vivo</i> Protein Dynamics on the Nanometer Length Scale and Nanosecond Time Scale. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1899-1904.	4.9	29
60	Dependence of Sum Frequency Generation (SFG) Spectral Features on the Mesoscale Arrangement of SFG-Active Crystalline Domains Interspersed in SFG-Inactive Matrix: A Case Study with Cellulose in Uniaxially Aligned Control Samples and Alkali-Treated Secondary Cell Walls of Plants. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10249-10257.	3.3	23
61	Understanding Multiscale Structural Changes During Dilute Acid Pretreatment of Switchgrass and Poplar. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 426-435.	6.9	35
62	Nanoscope dynamics of bicontinuous microemulsions: effect of membrane associated protein. <i>Soft Matter</i> , 2017, 13, 4871-4880.	2.8	23
63	Correlation of Cerebral Microbleed Distribution to Amyloid Burden in Patients with Primary Intracerebral Hemorrhage. <i>Scientific Reports</i> , 2017, 7, 44715.	3.4	40
64	Bacterial Cellulose Ionogels as Chemosensory Supports. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38042-38051.	8.3	37
65	Multi-Purpose Cellulosic Ionogels. <i>ACS Symposium Series</i> , 2017, , 143-155.	0.0	3
66	Internet of Smart Things - IoST: Using Blockchain and CLIPS to Make Things Autonomous. , 2017, , .		64
67	Dynamics of water bound to crystalline cellulose. <i>Scientific Reports</i> , 2017, 7, 11840.	3.4	87
68	Protein extraction into the bicontinuous microemulsion phase of a Water/SDS/pentanol/dodecane Winsor-III system: Effect on nanostructure and protein conformation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 144-153.	5.1	25
69	Dynamical Transition of Collective Motions in Dry Proteins. <i>Physical Review Letters</i> , 2017, 119, 048101.	8.0	32
70	^2H - ^{13}C correlation solid-state NMR for investigating dynamics and water accessibilities of proteins and carbohydrates. <i>Journal of Biomolecular NMR</i> , 2017, 68, 257-270.	2.8	17
71	Allelopathic effects of exogenous phenylalanine: a comparison of four monocot species. <i>Planta</i> , 2017, 246, 673-685.	3.3	3
72	Description of Hydration Water in Protein (Green Fluorescent Protein) Solution. <i>Journal of the American Chemical Society</i> , 2017, 139, 1098-1105.	14.6	74

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73	Modification of the nanostructure of lignocellulose cell walls via a non-enzymatic lignocellulose deconstruction system in brown rot wood-decay fungi. <i>Biotechnology for Biofuels</i> , 2017, 10, 179.	6.3	87
74	Gradients in Wall Mechanics and Polysaccharides along Growing Inflorescence Stems. <i>Plant Physiology</i> , 2017, 175, 1593-1607.	5.1	87
75	Neutron Scattering Studies of the Interplay of Amyloid β Peptide (1-40) and An Anionic Lipid 1,2-dimyristoyl-sn-glycero-3-phosphoglycerol. <i>Scientific Reports</i> , 2016, 6, 30983.	3.4	30
76	Folding propensity of intrinsically disordered proteins by osmotic stress. <i>Molecular BioSystems</i> , 2016, 12, 3695-3701.	2.8	17
77	Enhanced Dynamics of Hydrated tRNA on Nanodiamond Surfaces: A Combined Neutron Scattering and MD Simulation Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10059-10068.	2.7	14
78	Comparative Structural and Computational Analysis Supports Eighteen Cellulose Synthases in the Plant Cellulose Synthesis Complex. <i>Scientific Reports</i> , 2016, 6, 28696.	3.4	178
79	Revealing the Dynamics of Thylakoid Membranes in Living Cyanobacterial Cells. <i>Scientific Reports</i> , 2016, 6, 19627.	3.4	45
80	A Structural Study of CESA1 Catalytic Domain of Arabidopsis Cellulose Synthesis Complex: Evidence for CESA Trimers. <i>Plant Physiology</i> , 2016, 170, 123-135.	5.1	107
81	Production of Bacterial Cellulose with Controlled Deuterium-Hydrogen Substitution for Neutron Scattering Studies. <i>Methods in Enzymology</i> , 2015, 565, 123-146.	1.7	11
82	Effect of Protein Incorporation on the Nanostructure of the Bicontinuous Microemulsion Phase of Winsor-III Systems: A Small-Angle Neutron Scattering Study. <i>Langmuir</i> , 2015, 31, 1901-1910.	3.7	19
83	Production of deuterated switchgrass by hydroponic cultivation. <i>Planta</i> , 2015, 242, 215-222.	3.3	15
84	Small-angle neutron scattering reveals the assembly of alpha-synuclein in lipid membranes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1881-1889.	2.3	18
85	Effect of lignin content on changes occurring in poplar cellulose ultrastructure during dilute acid pretreatment. <i>Biotechnology for Biofuels</i> , 2014, 7, 150.	6.3	120
86	The Bio-SANS instrument at the High Flux Isotope Reactor of Oak Ridge National Laboratory. <i>Journal of Applied Crystallography</i> , 2014, 47, 1238-1246.	4.9	89
87	Reentrant condensation of lysozyme: Implications for studying dynamics of lysozyme in aqueous solutions of lithium chloride. <i>Biopolymers</i> , 2014, 101, 624-629.	2.6	4
88	A Communication Based Islanding Detection Method for Photovoltaic Distributed Generation Systems. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-17.	2.7	17
89	Crystallization and preliminary X-ray diffraction analysis of <i>Hypocrea jecorina</i> Cel7A in two new crystal forms. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 773-776.	0.9	2
90	Morphological changes in the cellulose and lignin components of biomass occur at different stages during steam pretreatment. <i>Cellulose</i> , 2014, 21, 873-878.	5.1	37

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91	Common processes drive the thermochemical pretreatment of lignocellulosic biomass. <i>Green Chemistry</i> , 2014, 16, 63-68.	9.4	204
92	Hydration Control of the Mechanical and Dynamical Properties of Cellulose. <i>Biomacromolecules</i> , 2014, 15, 4152-4159.	5.6	46
93	Physical Insight into Switchgrass Dissolution in Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1264-1269.	6.9	19
94	Effect of D ₂ O on Growth Properties and Chemical Structure of Annual Ryegrass (<i>Lolium multiflorum</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2595-2604.	5.3	20
95	Controlled incorporation of deuterium into bacterial cellulose. <i>Cellulose</i> , 2014, 21, 927-936.	5.1	30
96	Structural coarsening of aspen wood by hydrothermal pretreatment monitored by small- and wide-angle scattering of X-rays and neutrons on oriented specimens. <i>Cellulose</i> , 2014, 21, 1015-1024.	5.1	58
97	Comparison of changes in cellulose ultrastructure during different pretreatments of poplar. <i>Cellulose</i> , 2014, 21, 2419-2431.	5.1	50
98	Analysis of the solution structure of <i>Thermosynechococcus elongatus</i> photosystem I in n-dodecyl-β-D-maltoside using small-angle neutron scattering and molecular dynamics simulation. <i>Archives of Biochemistry and Biophysics</i> , 2014, 550-551, 50-57.	3.2	23
99	Secondary structure and rigidity in model proteins. <i>Soft Matter</i> , 2013, 9, 9548.	2.8	70
100	The effect of deuteration on the structure of bacterial cellulose. <i>Carbohydrate Research</i> , 2013, 374, 82-88.	2.4	46
101	Probing the consequences of antenna modification in cyanobacteria. <i>Photosynthesis Research</i> , 2013, 118, 17-24.	2.9	30
102	Coherent Neutron Scattering and Collective Dynamics in the Protein, GFP. <i>Biophysical Journal</i> , 2013, 105, 2182-2187.	0.5	24
103	Elastic and Conformational Softness of a Globular Protein. <i>Physical Review Letters</i> , 2013, 110, 028104.	8.0	52
104	Organization and Flexibility of Cyanobacterial Thylakoid Membranes Examined by Neutron Scattering. <i>Journal of Biological Chemistry</i> , 2013, 288, 3632-3640.	3.5	92
105	High photo-electrochemical activity of thylakoid-carbon nanotube composites for photosynthetic energy conversion. <i>Energy and Environmental Science</i> , 2013, 6, 1891.	32.2	175
106	Temperature Dependence of Logarithmic-like Relaxational Dynamics of Hydrated tRNA. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 936-942.	4.9	19
107	Multi-model mean nitrogen and sulfur deposition from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): evaluation of historical and projected future changes. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7997-8018.	5.0	290
108	Comparative molecular analysis of the prokaryotic diversity of two salt mine soils in southwest China. <i>Journal of Basic Microbiology</i> , 2013, 53, 942-952.	3.6	27

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109	Neutron Technologies for Bioenergy Research. <i>Industrial Biotechnology</i> , 2012, 8, 209-216.	1.0	17
110	Excited-State Dynamics of Water-Soluble Polythiophene Derivatives: Temperature and Side-Chain Length Effects. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14451-14460.	2.7	20
111	Sol-gel entrapped light harvesting antennas: immobilization and stabilization of chlorosomes for energy harvesting. <i>Journal of Materials Chemistry</i> , 2012, 22, 22582.	6.7	11
112	Deuterium incorporation in biomass cell wall components by NMR analysis. <i>Analyst</i> , 2012, 137, 1090.	3.5	20
113	Dynamics of Protein and its Hydration Water: Neutron Scattering Studies on Fully Deuterated GFP. <i>Biophysical Journal</i> , 2012, 103, 1566-1575.	0.5	128
114	A Method to set process parameters of local squeeze in HPDC. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 33, 012001.	0.6	3
115	Characterization of Morphology and Active Agent Mobility within Hybrid Silica Sol-Gel Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13972-13979.	3.3	4
116	Apparent Decoupling of the Dynamics of a Protein from the Dynamics of its Aqueous Solvent. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 380-385.	4.9	24
117	Role of methyl groups in dynamics and evolution of biomolecules. <i>Journal of Biological Physics</i> , 2012, 38, 497-505.	1.6	27
118	Supramolecular assembly of biohybrid photoconversion systems. <i>Energy and Environmental Science</i> , 2011, 4, 181-188.	32.2	16
119	Localized entrapment of green fluorescent protein within nanostructured polymer films. <i>Soft Matter</i> , 2011, 7, 11453.	2.8	9
120	Self-similar multiscale structure of lignin revealed by neutron scattering and molecular dynamics simulation. <i>Physical Review E</i> , 2011, 83, 061911.	2.1	72
121	Small Angle Neutron Scattering Reveals pH-dependent Conformational Changes in <i>Trichoderma reesei</i> Cellobiohydrolase I. <i>Journal of Biological Chemistry</i> , 2011, 286, 32801-32809.	3.5	29
122	Development of Bacterial Cellulose Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1312, 1.	0.1	2
123	Investigation of detergent effects on the solution structure of spinach Light Harvesting Complex II. <i>Journal of Physics: Conference Series</i> , 2010, 251, 012041.	0.4	1
124	Mean-squared atomic displacements in hydrated lysozyme, native and denatured. <i>Journal of Biological Physics</i> , 2010, 36, 291-297.	1.6	40
125	Protein Localization in Silica Nanospheres Derived via Biomimetic Mineralization. <i>Advanced Functional Materials</i> , 2010, 20, 3031-3038.	16.5	37
126	SANS study of cellulose extracted from switchgrass. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 1189-1193.	2.4	30

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127	Self-organized photosynthetic nanoparticle for cell-free hydrogen production. <i>Nature Nanotechnology</i> , 2010, 5, 73-79.	30.5	173
128	Breakdown of Cell Wall Nanostructure in Dilute Acid Pretreated Biomass. <i>Biomacromolecules</i> , 2010, 11, 2329-2335.	5.6	145
129	Characterization of the Influence of the Ionic Liquid 1-Butyl-3-methylimidazolium Chloride on the Structure and Thermal Stability of Green Fluorescent Protein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13866-13871.	2.7	77
130	Sunlight Energy Conversion Via Organics. , 2010, , 675-715.		7
131	Investigating the structural flexibility of intrinsically disordered proteins. <i>FASEB Journal</i> , 2010, 24, 684.8.	0.5	0
132	Metabolic Prosthesis for Oxygenation of Ischemic Tissue. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 528-531.	4.4	5
133	A resorbable calcium-deficient hydroxyapatite hydrogel composite for osseous regeneration. <i>Cellulose</i> , 2009, 16, 887-898.	5.1	39
134	Characterization of Sol ^g -Gel-Encapsulated Proteins Using Small-Angle Neutron Scattering. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2262-2268.	8.3	34
135	Insight into the Structure of Light-Harvesting Complex II and Its Stabilization in Detergent Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16377-16383.	2.7	34
136	Stem Cell Transplantation with 90Yttrium Ibritumomab Tiuxetan(90YIT) in Non-Hodgkin's Lymphoma (NHL): Observations From PET Pre-Treatment Imaging and Responses in Allografted Refractory Follicular Histologies.. <i>Blood</i> , 2009, 114, 868-868.	1.4	2
137	A microbial fuel cell operating at low pH using the acidophile <i>Acidiphilium cryptum</i> . <i>Biotechnology Letters</i> , 2008, 30, 1367-1372.	2.2	97
138	The application and use of chemical space mapping to interpret crystallization screening results. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 1240-1249.	2.4	26
139	Small-Angle X-ray Scattering Study of Photosystem I ⁺ Detergent Complexes: Implications for Membrane Protein Crystallization. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4211-4219.	2.7	18
140	Biomimetic synthesis of calcium-deficient hydroxyapatite in a natural hydrogel. <i>Biomaterials</i> , 2006, 27, 4661-4670.	11.8	319
141	A Diazonium Salt-Based Ionic Liquid for Solvent-Free Modification of Carbon. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 586-589.	2.5	40
142	Effect of Surface Attachment on Synthesis of Bacterial Cellulose. <i>Applied Biochemistry and Biotechnology</i> , 2005, 121, 0439-0450.	3.0	4
143	An Efficient Evaluation and Vector Generation Method for Observability-Enhanced Statement Coverage. <i>Journal of Computer Science and Technology</i> , 2005, 20, 875-884.	1.5	1
144	Spectroscopy and Photochemistry of Spinach Photosystem I Entrapped and Stabilized in a Hybrid Organosilicate Glass. <i>Chemistry of Materials</i> , 2005, 17, 2654-2661.	7.1	25

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145	Effect of Surface Attachment on Synthesis of Bacterial Cellulose. , 2005, , 439-450.		0
146	Enhanced Photocatalytic Hydrogen Evolution by Covalent Attachment of Plastocyanin to Photosystem I. Nano Letters, 2004, 4, 1815-1819.	9.5	55
147	Palladium-bacterial cellulose membranes for fuel cells. Biosensors and Bioelectronics, 2003, 18, 917-923.	10.4	213
148	Laser-induced breakdown spectroscopy used to detect palladium and silver metal dispersed in bacterial cellulose membranes. Applied Optics, 2003, 42, 6174.	2.1	17
149	Title is missing!. Biotechnology Letters, 2002, 24, 783-790.	2.2	17
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