

Hugh M O'neill

List of Publications by Year in descending order

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135
papers

5,616
citations

87723

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95083

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140
docs citations

140
times ranked

7466
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	7
2	Engineered zinc oxide-based nanotherapeutics boost systemic antibacterial efficacy against phloem-restricted diseases. <i>Environmental Science: Nano</i> , 2022, 9, 2869-2886.	2.2	7
3	Chemical and Morphological Structure of Transgenic Switchgrass Organosolv Lignin Extracted by Ethanol, Tetrahydrofuran, and $^3\text{-Valerolactone}$ Pretreatments. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9041-9052.	3.2	10
4	Cellulose-lignin composite fibres as precursors for carbon fibres. Part 1 " Manufacturing and properties of precursor fibres. <i>Carbohydrate Polymers</i> , 2021, 252, 117133.	5.1	38
5	Incorporation of Membrane Proteins Into Bicontinuous Microemulsions Through Winsor III System-Based Extraction. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 649-660.	1.0	2
6	Small Angle Neutron Scattering Shows Nanoscale PMMA Distribution in Transparent Wood Biocomposites. <i>Nano Letters</i> , 2021, 21, 2883-2890.	4.5	32
7	Biosynthesis and characterization of deuterated chitosan in filamentous fungus and yeast. <i>Carbohydrate Polymers</i> , 2021, 257, 117637.	5.1	8
8	Melittin exerts opposing effects on short- and long-range dynamics in bicontinuous microemulsions. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 94-102.	5.0	2
9	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.	2.1	14
10	Transient and stabilized complexes of Nsp7, Nsp8, and Nsp12 in SARS-CoV-2 replication. <i>Biophysical Journal</i> , 2021, 120, 3152-3165.	0.2	39
11	New Technologies are Needed to Improve the Recycling and Upcycling of Waste Plastics. <i>ChemSusChem</i> , 2021, 14, 3982-3984.	3.6	12
12	Fed-batch production of deuterated protein in <i>Escherichia coli</i> for neutron scattering experimentation. <i>Methods in Enzymology</i> , 2021, 659, 219-240.	0.4	4
13	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.	4.6	28
14	Unusual zwitterionic catalytic site of SARS-CoV-2 main protease revealed by neutron crystallography. <i>Journal of Biological Chemistry</i> , 2020, 295, 17365-17373.	1.6	97
15	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.	3.3	29
16	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.	1.1	18
17	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.	1.2	17
18	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.	3.2	7

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19	Malleability of the SARS-CoV-2 3CL Mpro Active-Site Cavity Facilitates Binding of Clinical Antivirals. Structure, 2020, 28, 1313-1320.e3.	1.6	108
20	Biochemical and structural analyses reveal that the tumor suppressor neurofibromin (NF1) forms a high-affinity dimer. Journal of Biological Chemistry, 2020, 295, 1105-1119.	1.6	25
21	Nanostructural Analysis of Enzymatic and Non-enzymatic Brown Rot Fungal Deconstruction of the Lignocellulose Cell Wall. Frontiers in Microbiology, 2020, 11, 1389.	1.5	30
22	Structural plasticity of SARS-CoV-2 3CL Mpro active site cavity revealed by room temperature X-ray crystallography. Nature Communications, 2020, 11, 3202.	5.8	334
23	Cellulose synthase interactive 1- and microtubule-dependent cell wall architecture is required for acid growth in Arabidopsis hypocotyls. Journal of Experimental Botany, 2020, 71, 2982-2994.	2.4	18
24	Biochemical and structural analyses reveal that the tumor suppressor neurofibromin (NF1) forms a high-affinity dimer. Journal of Biological Chemistry, 2020, 295, 1105-1119.	1.6	25
25	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. IUCr, 2020, 7, 1028-1035.	1.0	49
26	Mechanical formation of micro- and nano-plastic materials for environmental studies in agricultural ecosystems. Science of the Total Environment, 2019, 685, 1097-1106.	3.9	108
27	Generation of the configurational ensemble of an intrinsically disordered protein from unbiased molecular dynamics simulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20446-20452.	3.3	88
28	Production of deuterated biomass by cultivation of Lemna minor (duckweed) in D2O. Planta, 2019, 249, 1465-1475.	1.6	3
29	Interaction of Zinc Oxide Nanoparticles with Water: Implications for Catalytic Activity. ACS Applied Nano Materials, 2019, 2, 4257-4266.	2.4	28
30	Influence of Chemically Disrupted Photosynthesis on Cyanobacterial Thylakoid Dynamics in Synechocystis sp. PCC 6803. Scientific Reports, 2019, 9, 5711.	1.6	10
31	Incorporation of Melittin Enhances Interfacial Fluidity of Bicontinuous Microemulsions. Journal of Physical Chemistry C, 2019, 123, 11197-11206.	1.5	11
32	Structural Studies of Deuterium-Labeled Switchgrass Biomass. ACS Symposium Series, 2019, , 17-32.	0.5	2
33	Identifying Stable Fragments of <i>Arabidopsis thaliana</i> Cellulose Synthase Subunit 3 by Yeast Display. Biotechnology Journal, 2019, 14, e1800353.	1.8	5
34	Hemicellulose-Cellulose Composites Reveal Differences in Cellulose Organization after Dilute Acid Pretreatment. Biomacromolecules, 2019, 20, 893-903.	2.6	21
35	Arabinose substitution effect on xylan rigidity and self-aggregation. Cellulose, 2019, 26, 2267-2278.	2.4	31
36	Tension wood structure and morphology conducive for better enzymatic digestion. Biotechnology for Biofuels, 2018, 11, 44.	6.2	26

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37	Direct Determination of Hydroxymethyl Conformations of Plant Cell Wall Cellulose Using ^1H Polarization Transfer Solid-State NMR. <i>Biomacromolecules</i> , 2018, 19, 1485-1497.	2.6	44
38	Impact of hydration and temperature history on the structure and dynamics of lignin. <i>Green Chemistry</i> , 2018, 20, 1602-1611.	4.6	30
39	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.	2.1	32
40	Bicontinuous microemulsions as a biomembrane mimetic system for melittin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 624-632.	1.4	12
41	Neutron scattering in the biological sciences: progress and prospects. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 1129-1168.	1.1	47
42	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.	1.2	7
43	The Shape of Native Plant Cellulose Microfibrils. <i>Scientific Reports</i> , 2018, 8, 13983.	1.6	86
44	Observation of a structural gradient in Winsor-III microemulsion systems. <i>Soft Matter</i> , 2018, 14, 5270-5276.	1.2	5
45	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.	1.2	3
46	<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.	2.1	29
47	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.	1.5	22
48	Understanding Multiscale Structural Changes During Dilute Acid Pretreatment of Switchgrass and Poplar. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 426-435.	3.2	29
49	Nanoscope dynamics of bicontinuous microemulsions: effect of membrane associated protein. <i>Soft Matter</i> , 2017, 13, 4871-4880.	1.2	22
50	Bacterial Cellulose Ionogels as Chemosensory Supports. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38042-38051.	4.0	35
51	Multi-Purpose Cellulosic Ionogels. <i>ACS Symposium Series</i> , 2017, , 143-155.	0.5	3
52	Dynamics of water bound to crystalline cellulose. <i>Scientific Reports</i> , 2017, 7, 11840.	1.6	82
53	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.	2.5	24
54	Dynamical Transition of Collective Motions in Dry Proteins. <i>Physical Review Letters</i> , 2017, 119, 048101.	2.9	27

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55	² H- 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.	1.6	17
56	Allelopathic effects of exogenous phenylalanine: a comparison of four monocot species. <i>Planta</i> , 2017, 246, 673-685.	1.6	3
57	Description of Hydration Water in Protein (Green Fluorescent Protein) Solution. <i>Journal of the American Chemical Society</i> , 2017, 139, 1098-1105.	6.6	68
58	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.	6.2	83
59	Gradients in Wall Mechanics and Polysaccharides along Growing Inflorescence Stems. <i>Plant Physiology</i> , 2017, 175, 1593-1607.	2.3	82
60	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.	1.6	27
61	Folding propensity of intrinsically disordered proteins by osmotic stress. <i>Molecular BioSystems</i> , 2016, 12, 3695-3701.	2.9	17
62	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.	1.2	14
63	Comparative Structural and Computational Analysis Supports Eighteen Cellulose Synthases in the Plant Cellulose Synthesis Complex. <i>Scientific Reports</i> , 2016, 6, 28696.	1.6	174
64	Revealing the Dynamics of Thylakoid Membranes in Living Cyanobacterial Cells. <i>Scientific Reports</i> , 2016, 6, 19627.	1.6	43
65	A Structural Study of CESA1 Catalytic Domain of Arabidopsis Cellulose Synthesis Complex: Evidence for CESA Trimers. <i>Plant Physiology</i> , 2016, 170, 123-135.	2.3	104
66	Production of Bacterial Cellulose with Controlled Deuterium- ² H Hydrogen Substitution for Neutron Scattering Studies. <i>Methods in Enzymology</i> , 2015, 565, 123-146.	0.4	11
67	Oligomerization state and pigment binding strength of the peridinin-Chl <i>a</i> -protein. <i>FEBS Letters</i> , 2015, 589, 2713-2719.	1.3	1
68	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.	1.6	18
69	Effect of antimicrobial peptide on the dynamics of phosphocholine membrane: role of cholesterol and physical state of bilayer. <i>Soft Matter</i> , 2015, 11, 6755-6767.	1.2	62
70	Nanoscope Dynamics of Phospholipid in Unilamellar Vesicles: Effect of Gel to Fluid Phase Transition. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4460-4470.	1.2	58
71	Production of deuterated switchgrass by hydroponic cultivation. <i>Planta</i> , 2015, 242, 215-222.	1.6	15
72	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.	1.1	18

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73	Effect of lignin content on changes occurring in poplar cellulose ultrastructure during dilute acid pretreatment. <i>Biotechnology for Biofuels</i> , 2014, 7, 150.	6.2	113
74	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.	1.9	83
75	Reentrant condensation of lysozyme: Implications for studying dynamics of lysozyme in aqueous solutions of lithium chloride. <i>Biopolymers</i> , 2014, 101, 624-629.	1.2	3
76	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.	0.4	2
77	Morphological changes in the cellulose and lignin components of biomass occur at different stages during steam pretreatment. <i>Cellulose</i> , 2014, 21, 873-878.	2.4	37
78	Common processes drive the thermochemical pretreatment of lignocellulosic biomass. <i>Green Chemistry</i> , 2014, 16, 63-68.	4.6	198
79	Hydration Control of the Mechanical and Dynamical Properties of Cellulose. <i>Biomacromolecules</i> , 2014, 15, 4152-4159.	2.6	44
80	Physical Insight into Switchgrass Dissolution in Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1264-1269.	3.2	19
81	Effect of D2O on Growth Properties and Chemical Structure of Annual Ryegrass (<i>Lolium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.4	18
82	Controlled incorporation of deuterium into bacterial cellulose. <i>Cellulose</i> , 2014, 21, 927-936.	2.4	30
83	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.	2.4	56
84	Comparison of changes in cellulose ultrastructure during different pretreatments of poplar. <i>Cellulose</i> , 2014, 21, 2419-2431.	2.4	47
85	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.	1.4	23
86	Secondary structure and rigidity in model proteins. <i>Soft Matter</i> , 2013, 9, 9548.	1.2	65
87	The effect of deuteration on the structure of bacterial cellulose. <i>Carbohydrate Research</i> , 2013, 374, 82-88.	1.1	45
88	Probing the consequences of antenna modification in cyanobacteria. <i>Photosynthesis Research</i> , 2013, 118, 17-24.	1.6	29
89	Coherent Neutron Scattering and Collective Dynamics in the Protein, GFP. <i>Biophysical Journal</i> , 2013, 105, 2182-2187.	0.2	24
90	Elastic and Conformational Softness of a Globular Protein. <i>Physical Review Letters</i> , 2013, 110, 028104.	2.9	47

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91	Organization and Flexibility of Cyanobacterial Thylakoid Membranes Examined by Neutron Scattering. <i>Journal of Biological Chemistry</i> , 2013, 288, 3632-3640.	1.6	89
92	High photo-electrochemical activity of thylakoid-carbon nanotube composites for photosynthetic energy conversion. <i>Energy and Environmental Science</i> , 2013, 6, 1891.	15.6	173
93	Temperature Dependence of Logarithmic-like Relaxational Dynamics of Hydrated tRNA. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 936-942.	2.1	18
94	Publisher's Note: Elastic and Conformational Softness of a Globular Protein [Phys. Rev. Lett. 110, 028104 (2013)]. <i>Physical Review Letters</i> , 2013, 110, .	2.9	0
95	Neutron Technologies for Bioenergy Research. <i>Industrial Biotechnology</i> , 2012, 8, 209-216.	0.5	17
96	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.	1.2	20
97	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
98	Deuterium incorporation in biomass cell wall components by NMR analysis. <i>Analyst</i> , 2012, 137, 1090.	1.7	19
99	Dynamics of Protein and its Hydration Water: Neutron Scattering Studies on Fully Deuterated GFP. <i>Biophysical Journal</i> , 2012, 103, 1566-1575.	0.2	121
100	Characterization of Morphology and Active Agent Mobility within Hybrid Silica Sol-Gel Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13972-13979.	1.5	4
101	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.	2.1	24
102	Role of methyl groups in dynamics and evolution of biomolecules. <i>Journal of Biological Physics</i> , 2012, 38, 497-505.	0.7	26
103	Supramolecular assembly of biohybrid photoconversion systems. <i>Energy and Environmental Science</i> , 2011, 4, 181-188.	15.6	16
104	Localized entrapment of green fluorescent protein within nanostructured polymer films. <i>Soft Matter</i> , 2011, 7, 11453.	1.2	9
105	Publisher's Note: Self-similar multiscale structure of lignin revealed by neutron scattering and molecular dynamics simulation [Phys. Rev. E 83, 061911 (2011)]. <i>Physical Review E</i> , 2011, 84, .	0.8	2
106	Self-similar multiscale structure of lignin revealed by neutron scattering and molecular dynamics simulation. <i>Physical Review E</i> , 2011, 83, 061911.	0.8	72
107	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.	1.6	29
108	Development of Bacterial Cellulose Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1312, 1.	0.1	2

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109	Investigation of detergent effects on the solution structure of spinach Light Harvesting Complex II. <i>Journal of Physics: Conference Series</i> , 2010, 251, 012041.	0.3	1
110	Mean-squared atomic displacements in hydrated lysozyme, native and denatured. <i>Journal of Biological Physics</i> , 2010, 36, 291-297.	0.7	36
111	Protein Localization in Silica Nanospheres Derived via Biomimetic Mineralization. <i>Advanced Functional Materials</i> , 2010, 20, 3031-3038.	7.8	36
112	SANS study of cellulose extracted from switchgrass. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 1189-1193.	2.5	29
113	Self-organized photosynthetic nanoparticle for cell-free hydrogen production. <i>Nature Nanotechnology</i> , 2010, 5, 73-79.	15.6	171
114	Breakdown of Cell Wall Nanostructure in Dilute Acid Pretreated Biomass. <i>Biomacromolecules</i> , 2010, 11, 2329-2335.	2.6	143
115	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.	1.2	75
116	Investigating the structural flexibility of intrinsically disordered proteins. <i>FASEB Journal</i> , 2010, 24, 684.8.	0.2	0
117	Metabolic Prosthesis for Oxygenation of Ischemic Tissue. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 528-531.	2.5	5
118	A resorbable calcium-deficient hydroxyapatite hydrogel composite for osseous regeneration. <i>Cellulose</i> , 2009, 16, 887-898.	2.4	39
119	Characterization of Sol [®] Gel-Encapsulated Proteins Using Small-Angle Neutron Scattering. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2262-2268.	4.0	34
120	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.	1.2	34
121	A microbial fuel cell operating at low pH using the acidophile <i>Acidiphilium cryptum</i> . <i>Biotechnology Letters</i> , 2008, 30, 1367-1372.	1.1	95
122	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.	2.5	26
123	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.	1.2	18
124	Biomimetic synthesis of calcium-deficient hydroxyapatite in a natural hydrogel. <i>Biomaterials</i> , 2006, 27, 4661-4670.	5.7	318
125	Effect of Surface Attachment on Synthesis of Bacterial Cellulose. <i>Applied Biochemistry and Biotechnology</i> , 2005, 121, 0439-0450.	1.4	4
126	Spectroscopy and Photochemistry of Spinach Photosystem I Entrapped and Stabilized in a Hybrid Organosilicate Glass. <i>Chemistry of Materials</i> , 2005, 17, 2654-2661.	3.2	25

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127	Effect of Surface Attachment on Synthesis of Bacterial Cellulose. , 2005, , 439-450.		0
128	Enhanced Photocatalytic Hydrogen Evolution by Covalent Attachment of Plastocyanin to Photosystem I. Nano Letters, 2004, 4, 1815-1819.	4.5	55
129	Palladium-bacterial cellulose membranes for fuel cells. Biosensors and Bioelectronics, 2003, 18, 917-923.	5.3	209
130	Laser-induced breakdown spectroscopy used to detect palladium and silver metal dispersed in bacterial cellulose membranes. Applied Optics, 2003, 42, 6174.	2.1	17
131	Title is missing!. Biotechnology Letters, 2002, 24, 783-790.	1.1	17
132	The Nicotinamide Cofactors: Applications in Biotechnology. ACS Symposium Series, 2001, , 103-130.	0.5	0
133	Cloning and Analysis of the Genes for a Novel Electron-transferring Flavoprotein from <i>Megasphaera elsdenii</i> . Journal of Biological Chemistry, 1998, 273, 21015-21024.	1.6	26
134	Electron-transferring flavoprotein from <i>Megasphaera elsdenii</i> ; gene organisation and structural information. Biochemical Society Transactions, 1998, 26, S214-S214.	1.6	0
135	Cloning of Electron-Transferring Flavoprotein from <i>Megasphaera elsdenii</i> . Biochemical Society Transactions, 1995, 23, 379S-379S.	1.6	3