

Donald E Brooks

List of Publications by Year in descending order

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145
papers

8,635
citations

30070

54
h-index

46799

89
g-index

149
all docs

149
docs citations

149
times ranked

7434
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocompatibility Testing of Branched and Linear Polyglycidol. <i>Biomacromolecules</i> , 2006, 7, 703-709.	5.4	361
2	The biocompatibility and biofilm resistance of implant coatings based on hydrophilic polymer brushes conjugated with antimicrobial peptides. <i>Biomaterials</i> , 2011, 32, 3899-3909.	11.4	351
3	Synthesis and characterization of poly(ethylene glycol) derivatives. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1984, 22, 341-352.	0.8	260
4	Theory of the electrokinetic behavior of human erythrocytes. <i>Biophysical Journal</i> , 1983, 42, 127-135.	0.5	250
5	Blood compatibility of novel water soluble hyperbranched polyglycerol-based multivalent cationic polymers and their interaction with DNA. <i>Biomaterials</i> , 2006, 27, 5377-5390.	11.4	237
6	Synthesis, Characterization, and Viscoelastic Properties of High Molecular Weight Hyperbranched Polyglycerols. <i>Macromolecules</i> , 2006, 39, 7708-7717.	4.8	233
7	In vitro biological evaluation of high molecular weight hyperbranched polyglycerols. <i>Biomaterials</i> , 2007, 28, 4581-4590.	11.4	230
8	Anti-adhesive antimicrobial peptide coating prevents catheter associated infection in a mouse urinary infection model. <i>Biomaterials</i> , 2017, 116, 69-81.	11.4	203
9	Synthesis of Well-Defined Environmentally Responsive Polymer Brushes by Aqueous ATRP. <i>Macromolecules</i> , 2004, 37, 734-743.	4.8	196
10	Phase separation in cytoplasm, due to macromolecular crowding, is the basis for microcompartmentation. <i>FEBS Letters</i> , 1995, 361, 135-139.	2.8	190
11	In vivo biological evaluation of high molecular weight hyperbranched polyglycerols. <i>Biomaterials</i> , 2007, 28, 4779-4787.	11.4	188
12	Physiological shear stresses enhance the Ca ²⁺ permeability of human erythrocytes. <i>Nature</i> , 1981, 294, 667-668.	27.8	163
13	Partitioning in aqueous two-phase systems: recent results. <i>Analytical Biochemistry</i> , 1991, 197, 1-18.	2.4	163
14	The effect of neutral polymers on the electrokinetic potential of cells and other charged particles. <i>Journal of Colloid and Interface Science</i> , 1973, 43, 670-686.	9.4	154
15	Polyvalent choline phosphate as a universal biomembrane adhesive. <i>Nature Materials</i> , 2012, 11, 468-476.	27.5	154
16	Investigations into a Vascular Etiology for Low-tension Glaucoma. <i>Ophthalmology</i> , 1990, 97, 49-55.	5.2	140
17	A fluorometric assay of the degree of modification of protein primary amines with polyethylene glycol. <i>Analytical Biochemistry</i> , 1986, 154, 232-234.	2.4	134
18	Partition of proteins in aqueous polymer two-phase systems and the effect of molecular weight of the polymer. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1987, 926, 87-93.	2.4	134

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19	Inhibition of Liposome-Induced Complement Activation by Incorporated Poly(Ethylene Glycol)-Lipids. Archives of Biochemistry and Biophysics, 1998, 357, 185-194.	3.0	134
20	Antibacterial Surfaces Based on Polymer Brushes: Investigation on the Influence of Brush Properties on Antimicrobial Peptide Immobilization and Antimicrobial Activity. Biomacromolecules, 2011, 12, 3715-3727.	5.4	132
21	Membrane surface properties other than charge involved in cell separation by partition in polymer, aqueous two-phase systems. Biochemistry, 1976, 15, 2959-2964.	2.5	130
22	Reversible hemostatic properties of sulfobetaine/quaternary ammonium modified hyperbranched polyglycerol. Biomaterials, 2016, 86, 42-55.	11.4	120
23	The Glycan-Rich Outer Layer of the Cell Wall of <i>Mycobacterium tuberculosis</i> Acts as an Antiphagocytic Capsule Limiting the Association of the Bacterium with Macrophages. Infection and Immunity, 2004, 72, 5676-5686.	2.2	118
24	Calculation of the Electrophoretic Mobility of a Particle Bearing Bound Polyelectrolyte Using the Nonlinear Poisson-Boltzmann Equation. Biophysical Journal, 1985, 47, 563-566.	0.5	117
25	Hyperbranched polyglycerols: recent advances in synthesis, biocompatibility and biomedical applications. Journal of Materials Chemistry B, 2017, 5, 9249-9277.	5.8	113
26	The effect of neutral polymers on the electrokinetic potential of cells and other charged particles. Journal of Colloid and Interface Science, 1973, 43, 687-699.	9.4	112
27	PHYSICOCHEMICAL EFFECTS OF ALDEHYDES ON THE HUMAN ERYTHROCYTE. Journal of Cell Biology, 1972, 53, 809-818.	5.2	104
28	Synthesis and Characterization of Polymer Brushes of Poly(N,N-dimethylacrylamide) from Polystyrene Latex by Aqueous Atom Transfer Radical Polymerization. Macromolecules, 2002, 35, 4247-4257.	4.8	99
29	Synthesis of Poly(N,N-dimethylacrylamide) Brushes from Charged Polymeric Surfaces by Aqueous ATRP: A Effect of Surface Initiator Concentration. Macromolecules, 2003, 36, 591-598.	4.8	96
30	Unimolecular Micelles Based On Hydrophobically Derivatized Hyperbranched Polyglycerols: Ligand Binding Properties. Biomacromolecules, 2008, 9, 886-895.	5.4	96
31	Hydrophobically derivatized hyperbranched polyglycerol as a human serum albumin substitute. Biomaterials, 2008, 29, 1693-1704.	11.4	93
32	Electrostatic and electrokinetic potentials in two polymer aqueous phase systems. Journal of Colloid and Interface Science, 1984, 102, 1-13.	9.4	90
33	Synthesis and application of a poly(ethylene glycol)-antibody affinity ligand for cell separations in aqueous polymer two-phase systems. Analytical Biochemistry, 1986, 154, 110-117.	2.4	88
34	Red blood cell membrane grafting of multi-functional hyperbranched polyglycerols. Biomaterials, 2010, 31, 4167-4178.	11.4	79
35	The effects of salts on the interfacial tension of aqueous dextran poly(ethylene glycol) phase systems. Journal of Colloid and Interface Science, 1984, 99, 194-200.	9.4	75
36	The effect of neutral polymers on the electrokinetic potential of cells and other charged particles. Journal of Colloid and Interface Science, 1973, 43, 700-713.	9.4	74

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37	The effect of neutral polymers on the electrokinetic potential of cells and other charged particles. <i>Journal of Colloid and Interface Science</i> , 1973, 43, 714-726.	9.4	73
38	Paclitaxel incorporated in hydrophobically derivatized hyperbranched polyglycerols for intravesical bladder cancer therapy. <i>BJU International</i> , 2009, 103, 978-986.	2.5	73
39	Electrokinetic and electrostatic properties of bilayers containing gangliosides GM1, GD1a, or GT1. Comparison with a nonlinear theory. <i>Biophysical Journal</i> , 1986, 49, 741-752.	0.5	72
40	Poly(oligo(ethylene glycol)acrylamide) Brushes by Surface Initiated Polymerization: Effect of Macromonomer Chain Length on Brush Growth and Protein Adsorption from Blood Plasma. <i>Langmuir</i> , 2009, 25, 3794-3801.	3.5	72
41	Synthesis and Characterization of Carboxylic Acid Conjugated, Hydrophobically Derivatized, Hyperbranched Polyglycerols as Nanoparticulate Drug Carriers for Cisplatin. <i>Biomacromolecules</i> , 2011, 12, 145-155.	5.4	72
42	A Novel Functional Polymer with Tunable LCST. <i>Macromolecules</i> , 2008, 41, 5393-5405.	4.8	70
43	Affinity-based design of a synthetic universal reversal agent for heparin anticoagulants. <i>Science Translational Medicine</i> , 2014, 6, 260ra150.	12.4	69
44	The Role of Dimension in Multivalent Binding Events: Structure-Activity Relationship of Dendritic Polyglycerol Sulfate Binding to <i>L-selectin</i> in Correlation with Size and Surface Charge Density. <i>Macromolecular Bioscience</i> , 2011, 11, 1088-1098.	4.1	67
45	A pH and thermosensitive choline phosphate-based delivery platform targeted to the acidic tumor microenvironment. <i>Biomaterials</i> , 2014, 35, 278-286.	11.4	61
46	Comparison of Hyperbranched and Linear Polyglycidol Unimolecular Reverse Micelles as Nanoreactors and Nanocapsules. <i>Macromolecular Rapid Communications</i> , 2005, 26, 155-159.	3.9	60
47	Enhanced Cell Surface Polymer Grafting in Concentrated and Nonreactive Aqueous Polymer Solutions. <i>Journal of the American Chemical Society</i> , 2010, 132, 3423-3430.	13.7	60
48	Synthesis of Thermoresponsive Mixed Arm Star Polymers by Combination of RAFT and ATRP from a Multifunctional Core and Its Self-Assembly in Water. <i>Macromolecules</i> , 2008, 41, 4226-4234.	4.8	58
49	Surface Modification of Polyvinyl Chloride Sheets via Growth of Hydrophilic Polymer Brushes. <i>Macromolecules</i> , 2009, 42, 3258-3268.	4.8	58
50	Adsorption of amphiphilic hyperbranched polyglycerol derivatives onto human red blood cells. <i>Biomaterials</i> , 2010, 31, 3364-3373.	11.4	58
51	The partition of sodium phosphate and sodium chloride in aqueous dextran poly(ethylene glycol) two-phase systems. <i>Journal of Colloid and Interface Science</i> , 1984, 99, 187-193.	9.4	56
52	The induction of thrombus generation on nanostructured neutral polymer brush surfaces. <i>Biomaterials</i> , 2010, 31, 6710-6718.	11.4	56
53	Size-Dependant Cellular Uptake of Dendritic Polyglycerol. <i>Small</i> , 2011, 7, 820-829.	10.0	56
54	Synthesis and characterization of well-defined hydrophilic block copolymer brushes by aqueous ATRP. <i>Polymer</i> , 2004, 45, 7471-7489.	3.8	54

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55	Attractive Bridging Interactions in Dense Polymer Brushes in Good Solvent Measured by Atomic Force Microscopy. <i>Langmuir</i> , 2004, 20, 2333-2340.	3.5	54
56	<i>In vivo</i> Evaluation of Mucoadhesive Nanoparticulate Docetaxel for Intravesical Treatment of Non-Muscle-Invasive Bladder Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 2788-2798.	7.0	52
57	Barrier Capacity of Hydrophilic Polymer Brushes To Prevent Hydrophobic Interactions: Effect of Graft Density and Hydrophilicity. <i>Macromolecules</i> , 2009, 42, 4817-4828.	4.8	51
58	Polymer-Nanoparticle Interaction as a Design Principle in the Development of a Durable Ultrathin Universal Binary Antibiofilm Coating with Long-Term Activity. <i>ACS Nano</i> , 2018, 12, 11881-11891.	14.6	51
59	Some physicochemical factors relevant to cellular interactions. <i>Journal of Cellular Physiology</i> , 1967, 69, 155-168.	4.1	50
60	C1q Binding to liposomes is surface charge dependent and is inhibited by peptides consisting of residues 14-26 of the human C1qA chain in a sequence independent manner. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1418, 19-30.	2.6	50
61	Evaluation of an Atomic Force Microscopy Pull-Off Method for Measuring Molecular Weight and Polydispersity of Polymer Brushes: Effect of Grafting Density. <i>Langmuir</i> , 2004, 20, 6238-6245.	3.5	50
62	Theoretical Aspects of Partitioning. , 1985, , 11-84.		49
63	Biodegradable polyglycerols with randomly distributed ketal groups as multi-functional drug delivery systems. <i>Biomaterials</i> , 2013, 34, 6068-6081.	11.4	49
64	Unimolecular Micelles based on Hydrophobically Derivatized Hyperbranched Polyglycerols: Biodistribution Studies. <i>Bioconjugate Chemistry</i> , 2008, 19, 2231-2238.	3.6	46
65	<i>In vivo</i> circulation, clearance, and biodistribution of polyglycerol grafted functional red blood cells. <i>Biomaterials</i> , 2012, 33, 3047-3057.	11.4	46
66	Hyperbranched Polyglycerols as Trimodal Imaging Agents: Design, Biocompatibility, and Tumor Uptake. <i>Bioconjugate Chemistry</i> , 2012, 23, 372-381.	3.6	45
67	ATRP synthesis of poly(2-(methacryloyloxy)ethyl choline phosphate): a multivalent universal biomembrane adhesive. <i>Chemical Communications</i> , 2013, 49, 6831.	4.1	44
68	Detection of Differences in Surface-charge-associated Properties of Cells by Partition in Two-polymer Aqueous Phase Systems. <i>Nature: New Biology</i> , 1971, 234, 61-62.	4.5	42
69	Long-circulating non-toxic blood pool imaging agent based on hyperbranched polyglycerols. <i>International Journal of Pharmaceutics</i> , 2012, 422, 418-427.	5.2	38
70	Solvent-assisted anionic ring opening polymerization of glycidol: Toward medium and high molecular weight hyperbranched polyglycerols. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2614-2621.	2.3	38
71	Molecular Weight and Polydispersity Estimation of Adsorbing Polymer Brushes by Atomic Force Microscopy. <i>Langmuir</i> , 2004, 20, 3297-3303.	3.5	36
72	Size exclusion chromatography does not require pores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 7064-7067.	7.1	34

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73	Unusual rheology of a branched, water-soluble chitosan derivative. <i>Nature</i> , 1983, 302, 812-814.	27.8	32
74	Conjugation to Hyperbranched Polyglycerols Improves RGD-Mediated Inhibition of Platelet Function in Vitro. <i>Bioconjugate Chemistry</i> , 2008, 19, 1241-1247.	3.6	31
75	Tissue uptake of docetaxel loaded hydrophobically derivatized hyperbranched polyglycerols and their effects on the morphology of the bladder urothelium. <i>Biomaterials</i> , 2012, 33, 692-703.	11.4	31
76	Selective chemical modifications of dextran. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1985, 23, 1395-1405.	0.8	30
77	Choline phosphate functionalized cellulose membrane: A potential hemostatic dressing based on a unique bioadhesion mechanism. <i>Acta Biomaterialia</i> , 2016, 40, 212-225.	8.3	30
78	Unusual Electrostatic Effects on Binding of C1q to Anionic Liposomes: A Role of Anionic Phospholipid Domains and Their Line Tension. <i>Biochemistry</i> , 1999, 38, 8112-8123.	2.5	29
79	Influence of polymer architecture on antigens camouflage, CD47 protection and complement mediated lysis of surface grafted red blood cells. <i>Biomaterials</i> , 2012, 33, 7871-7883.	11.4	28
80	Studies on the electrophoretic separability of B and T human lymphocytes. <i>Cellular Immunology</i> , 1976, 21, 257-271.	3.0	27
81	In Vitro and In Vivo Evaluation of Intravesical Docetaxel Loaded Hydrophobically Derivatized Hyperbranched Polyglycerols in an Orthotopic Model of Bladder Cancer. <i>Biomacromolecules</i> , 2011, 12, 949-960.	5.4	27
82	Development and in vitro characterization of paclitaxel and docetaxel loaded into hydrophobically derivatized hyperbranched polyglycerols. <i>International Journal of Pharmaceutics</i> , 2011, 404, 238-249.	5.2	27
83	Effect of acetaldehyde and glutaraldehyde fixation on the surface properties of red blood cells as determined by partition in aqueous phases. <i>Experimental Cell Research</i> , 1973, 80, 415-424.	2.6	25
84	RAMPTM: A Rapid, Quantitative Whole Blood Immunochromatographic Platform for Point-of-Care Testing. <i>Clinical Chemistry</i> , 1999, 45, 1676-1678.	3.2	25
85	Inhibitory Effect of Hydrophilic Polymer Brushes on Surface-Induced Platelet Activation and Adhesion. <i>Macromolecular Bioscience</i> , 2010, 10, 1432-1443.	4.1	25
86	Nonbiofouling Polymer Brush with Latent Aldehyde Functionality as a Template for Protein Micropatterning. <i>Biomacromolecules</i> , 2010, 11, 284-293.	5.4	25
87	Bending and Stretching Actuation of Soft Materials through Surface-Initiated Polymerization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5116-5119.	13.8	25
88	Thermal Reversal of Polyvalent Choline Phosphate, a Multivalent Universal Biomembrane Adhesive. <i>Biomacromolecules</i> , 2013, 14, 2611-2621.	5.4	25
89	Development of a general ligand for immunoaffinity partitioning in two phase aqueous polymer systems. <i>Analytical Biochemistry</i> , 1988, 173, 86-92.	2.4	24
90	Shear-induced concanavalin A agglutination of human erythrocytes. <i>Nature</i> , 1979, 282, 738-739.	27.8	23

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91	Laser-Light-Scattering Study of Internal Motions of Polymer Chains Grafted on Spherical Latex Particles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18479-18484.	2.6	23
92	Plasma protein adsorption to surfaces grafted with dense homopolymer and copolymer brushes containing poly(N-isopropylacrylamide). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 1121-1135.	3.5	22
93	High Molecular Weight Polyglycerol-Based Multivalent Mannose Conjugates. <i>Biomacromolecules</i> , 2010, 11, 2567-2575.	5.4	21
94	Hydroxypropyl cellulose/poly(ethylene glycol)-co-poly(propylene glycol) aqueous two-phase systems: System characterization and partition of cells and proteins. <i>Enzyme and Microbial Technology</i> , 1992, 14, 785-790.	3.2	20
95	Therapeutic Cells via Functional Modification: Influence of Molecular Properties of Polymer Grafts on In Vivo Circulation, Clearance, Immunogenicity, and Antigen Protection. <i>Biomacromolecules</i> , 2013, 14, 2052-2062.	5.4	20
96	Preparation of Phase Systems and Measurement of Their Physicochemical Properties. , 1985, , 85-130.		19
97	Atom Transfer Radical Polymerization Using Multidentate Amine Ligands Supported on Soluble Hyperbranched Polyglycidol. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 567-573.	2.2	19
98	The influence of grafted polymer architecture and fluid hydrodynamics on protein separation by entropic interaction chromatography. <i>Biotechnology and Bioengineering</i> , 2007, 97, 574-587.	3.3	19
99	The influence of poly-N-[(2,2-dimethyl-1,3-dioxolane)methyl]acrylamide on fibrin polymerization, cross-linking and clot structure. <i>Biomaterials</i> , 2010, 31, 5749-5758.	11.4	19
100	Development of Antifouling and Bactericidal Coatings for Platelet Storage Bags Using Dopamine Chemistry. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700839.	7.6	19
101	Protein adsorption. <i>Journal of Colloid and Interface Science</i> , 1981, 83, 661-662.	9.4	18
102	Poly(styrene) Latex Carrying Cerium(IV)-Initiated Terminally Attached Cleavable Chains: Analysis of Grafted Chains and Model of the Surface Layer. <i>Macromolecules</i> , 1999, 32, 565-573.	4.8	18
103	Entropic interaction chromatography: Separating proteins on the basis of size using end-grafted polymer brushes. <i>Biotechnology and Bioengineering</i> , 2005, 90, 1-13.	3.3	18
104	Electroviscous Effect in Dextran-Erythrocyte Suspensions. <i>Nature: New Biology</i> , 1972, 238, 251-253.	4.5	16
105	Hyperbranched Polyglycerol as a Colloid in Cold Organ Preservation Solutions. <i>PLoS ONE</i> , 2015, 10, e0116595.	2.5	16
106	INTERACTIONS OF ERYTHROCYTES WITH BACTERIA UNDER SHEAR. <i>Annals of the New York Academy of Sciences</i> , 1983, 416, 319-331.	3.8	14
107	Critical micelle concentration dependence on head-group size in polyoxyethylene nonionic surfactants. <i>Colloids and Surfaces</i> , 1986, 17, 115-121.	0.9	14
108	The wetting behavior of aqueous two-phase polymer test systems on dextran coated glass surfaces: Effect of molecular weight. <i>Journal of Colloid and Interface Science</i> , 1992, 149, 153-161.	9.4	14

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109	Immunochemical extraction and detection of LSD in whole blood. <i>Journal of Immunological Methods</i> , 1999, 224, 11-18.	1.4	14
110	Heterogeneity in the surface properties of B16 melanoma cells from sublines with differing metastatic potential detected via two-polymer aqueous-phase partition. <i>Experimental Cell Research</i> , 1986, 164, 366-378.	2.6	12
111	Synthesis of Novel Size Exclusion Chromatography Support by Surface Initiated Aqueous Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2007, 23, 11791-11803.	3.5	12
112	A Thermoreversible Poly(Choline Phosphate) Based Universal Biomembrane Adhesive. <i>Macromolecular Bioscience</i> , 2014, 14, 334-339.	4.1	12
113	Purification of biomaterials by phase-partitioning with poly(ethylene glycol)-alkyl ether. <i>Industrial & Engineering Chemistry Product Research and Development</i> , 1984, 23, 86-88.	0.5	11
114	Size-exclusion phases and repulsive protein-polymer interaction/recognition. , 1996, 9, 697-700.		11
115	Electrophoretic mobilities of human peripheral blood lymphocytes subfractionated by partitioning in two-polymer aqueous phase systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 598, 193-199.	2.6	10
116	Effect of texture of platelet bags on bacterial and platelet adhesion. <i>Transfusion</i> , 2016, 56, 2808-2818.	1.6	10
117	van der Waals forces in oil/water systems. <i>Journal of Colloid and Interface Science</i> , 1977, 58, 26-35.	9.4	9
118	Do plasma proteins adsorb to red cells?. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 9, 695-714.	1.7	9
119	Oncotically Driven Control over Glycocalyx Dimension for Cell Surface Engineering and Protein Binding in the Longitudinal Direction. <i>Scientific Reports</i> , 2018, 8, 7581.	3.3	9
120	Enhanced concanavalin a agglutination of trypsinised erythrocytes is due to a specific class of aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 641, 410-415.	2.6	8
121	Electrostatically Mediated Interactions between Cationic Lipid-DNA Particles and an Anionic Surface. <i>Archives of Biochemistry and Biophysics</i> , 1999, 366, 31-39.	3.0	8
122	Poly(ethylene glycol) amphiphile adsorption and liposome partition. <i>Biomedical Applications</i> , 1996, 680, 145-155.	1.7	7
123	Progesterone binding nano-carriers based on hydrophobically modified hyperbranched polyglycerols. <i>Nanoscale</i> , 2016, 8, 5189-5199.	5.6	7
124	Phase Partitioning in Space and on Earth. <i>Advances in Experimental Medicine and Biology</i> , 1987, 225, 305-326.	1.6	7
125	Column chromatographic separation of cells using aqueous polymeric two-phase systems. <i>Analytical Biochemistry</i> , 1988, 174, 628-635.	2.4	6
126	Indirect enzyme-linked immunosorbent assay for the quantitative estimation of lysergic acid diethylamide in urine. <i>Clinical Chemistry</i> , 1998, 44, 985-990.	3.2	6

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127	Synthesis of Poly(N,N-Dimethylacrylamide) Brushes from Functionalized Latex Surfaces by Aqueous Atom Transfer Radical Polymerization. ACS Symposium Series, 2003, , 316-330.	0.5	6
128	The automated analytical electrophoresis microscope. Cell Biophysics, 1981, 3, 371-386.	0.4	5
129	Electrostatic Effects on the Adsorption and Carbodiimide-Mediated Coupling of Ferrichrome A to Amine-Modified Silica. Journal of Colloid and Interface Science, 1995, 174, 480-489.	9.4	5
130	Optimization and Immunological Characterization of a Photochemically Coupled Lysergic Acid Diethylamide (LSD) Immunogen. Bioconjugate Chemistry, 1998, 9, 596-603.	3.6	5
131	Antigens Protected Functional Red Blood Cells By The Membrane Grafting Of Compact Hyperbranched Polyglycerols. Journal of Visualized Experiments, 2013, , .	0.3	5
132	Advantages of replacing hydroxyethyl starch in University of Wisconsin solution with hyperbranched polyglycerol for cold kidney perfusion. Journal of Surgical Research, 2016, 205, 59-69.	1.6	5
133	PEG-Derivatized Ligands with Hydrophobic and Immunological Specificity. , 1992, , 57-71.		5
134	Cold preservation with hyperbranched polyglycerol-based solution improves kidney functional recovery with less injury at reperfusion in rats. American Journal of Translational Research (discontinued), 2017, 9, 429-441.	0.0	5
135	Surface charge and hydrophobic properties of fresh and cryopreserved blood phagocytes as determined by partition in two-phase aqueous polymer systems. American Journal of Hematology, 1986, 21, 249-257.	4.1	4
136	Column-based separation of erythrocytes using aqueous polymeric two-phase systems. Biomedical Applications, 1988, 432, 127-135.	1.7	3
137	Immunoaffinity separations of cells in two polymer aqueous phase systems. Makromolekulare Chemie Macromolecular Symposia, 1988, 17, 387-399.	0.6	3
138	A Novel Polymer Based Antidote for Reversing the Anticoagulation Effect of Clinically Used Heparins,. Blood, 2011, 118, 3359-3359.	1.4	3
139	Second Immunoaffinity Ligands for Cell Separation. , 1989, , 183-191.		3
140	Two Phase Systems for Biotechnological Isolations. Nature Biotechnology, 1983, 1, 668-669.	17.5	2
141	Modification of Silica with a Covalently Attached Antigen for Use in Immunosorbent Assays. ACS Symposium Series, 1995, , 420-433.	0.5	2
142	Measurement of Some Physical Properties of Aqueous Two-Phase Systems. , 2000, , 35-45.		1
143	Evaluation of hyperbranched polyglycerol for cold perfusion and storage of donor kidneys in a pig model of kidney autotransplantation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 853-863.	3.4	1
144	[36] Use of polyacrylamide-derivatized antibody in dextran-poly(ethylene glycol) systems. Methods in Enzymology, 1994, 228, 390-395.	1.0	0

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145	Back Cover: Macromol. Biosci. 3/2014. Macromolecular Bioscience, 2014, 14, 451-451.	4.1	0