

Mark M Banaszak Holl

List of Publications by Year in descending order

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244
papers

11,906
citations

26626

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all docs

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docs citations

249
times ranked

13195
citing authors

#	ARTICLE	IF	CITATIONS
1	Column Agglutination Assay Using Polystyrene Microbeads for Rapid Detection of Antibodies against SARS-CoV-2. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2501-2509.	8.0	3
2	Anti-tumor Effect of Folate-Binding Protein: <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>Molecular Pharmaceutics</i> , 2022, 19, 843-852.	4.6	3
3	Morphology and Viscosity Changes after Reactive Uptake of Isoprene Epoxydiols in Submicrometer Phase Separated Particles with Secondary Organic Aerosol Formed from Different Volatile Organic Compounds. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 871-882.	2.7	11
4	Photocatalytic Degradation of 1,4-Dioxane and Malachite Green over Zinc Oxide/Cellulose Nanofiber Using UVA/B from Direct Sunlight and a Continuous Flow Reactor. <i>ACS ES&T Water</i> , 2022, 2, 786-797.	4.6	4
5	Nanoparticle Surface Cross-Linking: A Universal Strategy to Enhance the Mechanical Properties of Latex Films. <i>Macromolecules</i> , 2022, 55, 5301-5313.	4.8	7
6	Matrix/mineral ratio and domain size variation with bone tissue age: A photothermal infrared study. <i>Journal of Structural Biology</i> , 2022, 214, 107878.	2.8	5
7	Cyclodextrin metal-organic framework-polymer composite membranes towards ultimate and stable enantioselectivity. <i>Journal of Membrane Science</i> , 2021, 620, 118956.	8.2	42
8	Thermally regenerable metal-organic framework with high monovalent metal ion selectivity. <i>Chemical Engineering Journal</i> , 2021, 405, 127037.	12.7	31
9	Hierarchical Nature of Nanoscale Porosity in Bone Revealed by Positron Annihilation Lifetime Spectroscopy. <i>ACS Nano</i> , 2021, 15, 4321-4334.	14.6	8
10	Engineering laminated paper for SARS-CoV-2 medical gowns. <i>Polymer</i> , 2021, 222, 123643.	3.8	5
11	Polymerization-Induced Hierarchical Self-Assembly: From Monomer to Complex Colloidal Molecules and Beyond. <i>ACS Nano</i> , 2021, 15, 13721-13731.	14.6	25
12	Visible-Light-Sensitive Triazine-Coated Silica Nanoparticles: A Dual Role Approach to Polymer Nanocomposite Materials with Enhanced Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46033-46042.	8.0	9
13	Uptake and Retention of Nanoplastics in Quagga Mussels. <i>Global Challenges</i> , 2020, 4, 1800104.	3.6	28
14	Microplastic Pollution in Deep-Sea Sediments From the Great Australian Bight. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	137
15	ZnO/Cellulose Nanofiber Composites for Sustainable Sunlight-Driven Dye Degradation. <i>ACS Applied Nano Materials</i> , 2020, 3, 10284-10295.	5.0	43
16	Rapid Gel Card Agglutination Assays for Serological Analysis Following SARS-CoV-2 Infection in Humans. <i>ACS Sensors</i> , 2020, 5, 2596-2603.	7.8	26
17	Microwave-Assisted Hydrothermal Decomposition of Super Absorbent Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14504-14510.	6.7	9
18	Bulk to Nanometer-Scale Infrared Spectroscopy of Pharmaceutical Dry Powder Aerosols. <i>Analytical Chemistry</i> , 2020, 92, 8323-8332.	6.5	22

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19	Fe/Mg-Modified Carbonate Apatite with Uniform Particle Size and Unique Transport Protein-Related Protein Corona Efficiently Delivers Doxorubicin into Breast Cancer Cells. <i>Nanomaterials</i> , 2020, 10, 834.	4.1	19
20	An Anterior Cruciate Ligament Failure Mechanism. <i>American Journal of Sports Medicine</i> , 2019, 47, 2067-2076.	4.2	41
21	Frontispiz: Homochiral MOFâ€™Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	0
22	Frontispiece: Homochiral MOFâ€™Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	13.8	2
23	Homochiral MOFâ€™Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie</i> , 2019, 131, 17084-17091.	2.0	31
24	Homochiral MOFâ€™Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16928-16935.	13.8	141
25	Bicomponent poly(ethylene)/poly(propylene) fiber bonding using dielectric inks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123868.	4.7	0
26	Coiled-Coil-Mediated Assembly of an Icosahedral Protein Cage with Extremely High Thermal and Chemical Stability. <i>Journal of the American Chemical Society</i> , 2019, 141, 9207-9216.	13.7	51
27	Distributions: The Importance of the Chemistâ€™s Molecular View for Biological Materials. <i>Biomacromolecules</i> , 2018, 19, 1469-1484.	5.4	4
28	Tailoring dendrimer conjugates for biomedical applications: the impact of altering hydrophobicity. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	4
29	Cathepsin K inhibition preserves compressive load in lumbar vertebrae of osteoporotic monkeys. <i>Bone Reports</i> , 2018, 9, 159-164.	0.4	2
30	Topical Deferoxamine Alleviates Skin Injury and Normalizes Atomic Force Microscopy Patterns Following Radiation in a Murine Breast Reconstruction Model. <i>Annals of Plastic Surgery</i> , 2018, 81, 604-608.	0.9	12
31	Folate binding protein: therapeutic natural nanotechnology for folic acid, methotrexate, and leucovorin. <i>Nanoscale</i> , 2017, 9, 2603-2615.	5.6	14
32	Nanostructured materials for microwave receptors. <i>Progress in Materials Science</i> , 2017, 87, 221-245.	32.8	52
33	Microstructure dependent binding of pigment epithelium derived factor (PEDF) to type I collagen fibrils. <i>Journal of Structural Biology</i> , 2017, 199, 132-139.	2.8	12
34	Dendrimer and dendrimerâ€™conjugate protein complexes and protein coronas. <i>Canadian Journal of Chemistry</i> , 2017, 95, 903-906.	1.1	3
35	Conjugation Dependent Interaction of Folic Acid with Folate Binding Protein. <i>Bioconjugate Chemistry</i> , 2017, 28, 2350-2360.	3.6	13
36	Atomic Force Microscopy-Infrared Spectroscopy of Individual Atmospheric Aerosol Particles: Subdiffraction Limit Vibrational Spectroscopy and Morphological Analysis. <i>Analytical Chemistry</i> , 2017, 89, 8594-8598.	6.5	58

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37	The Relationship of Collagen Structural and Compositional Heterogeneity to Tissue Mechanical Properties: A Chemical Perspective. <i>ACS Nano</i> , 2017, 11, 10665-10671.	14.6	36
38	Folate-Binding Protein Self-Aggregation Drives Agglomeration of Folic Acid Targeted Iron Oxide Nanoparticles. <i>Bioconjugate Chemistry</i> , 2017, 28, 81-87.	3.6	15
39	Cationic Polymer Intercalation into the Lipid Membrane Enables Intact Polyplex DNA Escape from Endosomes for Gene Delivery. <i>Molecular Pharmaceutics</i> , 2016, 13, 1967-1978.	4.6	48
40	Estrogen depletion and drug treatment alter the microstructure of type I collagen in bone. <i>Bone Reports</i> , 2016, 5, 243-251.	0.4	8
41	Increase in Dye:Dendrimer Ratio Decreases Cellular Uptake of Neutral Dendrimers in RAW Cells. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1540-1545.	5.2	4
42	InÂvivo targeting of metastatic breast cancer via tumor vasculature-specific nano-graphene oxide. <i>Biomaterials</i> , 2016, 104, 361-371.	11.4	110
43	Three RNA Microenvironments Detected in Fluxional Gene Delivery Polyplex Nanoassemblies. <i>ACS Macro Letters</i> , 2016, 5, 1104-1108.	4.8	1
44	Role of Cell Membraneâ€“Vector Interactions in Successful Gene Delivery. <i>Accounts of Chemical Research</i> , 2016, 49, 1486-1493.	15.6	66
45	Rapid Exchange Between Free and Bound States in RNAâ€“Dendrimer Polyplexes: Implications on the Mechanism of Delivery and Release. <i>Biomacromolecules</i> , 2016, 17, 154-164.	5.4	20
46	Substrate-Triggered Exosite Binding: Synergistic Dendrimer/Folic Acid Action for Achieving Specific, Tight-Binding to Folate Binding Protein. <i>Biomacromolecules</i> , 2016, 17, 922-927.	5.4	13
47	Generation 3 PAMAM dendrimer TAMRA conjugates containing precise dye/dendrimer ratios. <i>Materials Today Communications</i> , 2015, 4, 86-92.	1.9	7
48	G5-PEG PAMAM dendrimer incorporating nanostructured lipid carriers enhance oral bioavailability and plasma lipid-lowering effect of probucol. <i>Journal of Controlled Release</i> , 2015, 210, 160-168.	9.9	41
49	Fluorophore:Dendrimer Ratio Impacts Cellular Uptake and Intracellular Fluorescence Lifetime. <i>Bioconjugate Chemistry</i> , 2015, 26, 304-315.	3.6	26
50	Folate binding proteinâ€“Outlook for drug delivery applications. <i>Chinese Chemical Letters</i> , 2015, 26, 426-430.	9.0	12
51	Oral Absorption Enhancement of Probuocol by PEGylated G5 PAMAM Dendrimer Modified Nanoliposomes. <i>Molecular Pharmaceutics</i> , 2015, 12, 665-674.	4.6	32
52	Alteration of Type I collagen microstructure induced by estrogen depletion can be prevented with drug treatment. <i>BoneKEY Reports</i> , 2015, 4, 697.	2.7	6
53	High-resolution NMR characterization of low abundance oligomers of amyloid-Î² without purification. <i>Scientific Reports</i> , 2015, 5, 11811.	3.3	101
54	Force Spectroscopy of Multivalent Binding of Riboflavin-Conjugated Dendrimers to Riboflavin Binding Protein. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5785-5792.	2.6	17

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55	Quantitative Measurement of Cationic Polymer Vector and Polymer-pDNA Polyplex Intercalation into the Cell Plasma Membrane. <i>ACS Nano</i> , 2015, 9, 6097-6109.	14.6	42
56	G5 PAMAM dendrimer versus liposome: A comparison study on the in vitro transepithelial transport and in vivo oral absorption of simvastatin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1141-1151.	3.3	32
57	Characterization of Folic Acid and Poly(amidoamine) Dendrimer Interactions with Folate Binding Protein: A Force-Pulling Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11506-11512.	2.6	16
58	The role of caveolin-1 and syndecan-4 in the internalization of PEGylated PAMAM dendrimer polyplexes into myoblast and hepatic cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 658-663.	4.3	18
59	Aryl Halide Radical Clocks as Probes of Stannylene/Aryl Halide C-H Activation Rates. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 250-257.	3.7	3
60	Isolation and Characterization of Precise Dye/Dendrimer Ratios. <i>Chemistry - A European Journal</i> , 2014, 20, 4638-4645.	3.3	22
61	Poly(amidoamine) Dendrimer-Methotrexate Conjugates: The Mechanism of Interaction with Folate Binding Protein. <i>Molecular Pharmaceutics</i> , 2014, 11, 4049-4058.	4.6	29
62	Diffusion NMR Study of Generation-Five PAMAM Dendrimer Materials. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7195-7202.	2.6	36
63	Detergent Induction of HEK 293A Cell Membrane Permeability Measured under Quiescent and Superfusion Conditions Using Whole Cell Patch Clamp. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2112-2123.	2.6	21
64	Multivalent Polymers for Drug Delivery and Imaging: The Challenges of Conjugation. <i>Biomacromolecules</i> , 2014, 15, 3215-3234.	5.4	56
65	Quantification of cytosolic plasmid DNA degradation using high-throughput sequencing: implications for gene delivery. <i>Journal of Gene Medicine</i> , 2014, 16, 75-83.	2.8	13
66	Avidity Mechanism of Dendrimer-Folic Acid Conjugates. <i>Molecular Pharmaceutics</i> , 2014, 11, 1696-1706.	4.6	51
67	Hyperspectral Imaging and Characterization of Live Cells by Broadband Coherent Anti-Stokes Raman Scattering (CARS) Microscopy with Singular Value Decomposition (SVD) Analysis. <i>Applied Spectroscopy</i> , 2014, 68, 1116-1122.	2.2	24
68	The Impact of Estrogen Depletion and Drug Treatment on Type I Collagen Microstructure. <i>Microscopy and Microanalysis</i> , 2014, 20, 2070-2071.	0.4	0
69	Avidity Modulation of Folate-Targeted Multivalent Dendrimers for Evaluating Biophysical Models of Cancer Targeting Nanoparticles. <i>ACS Chemical Biology</i> , 2013, 8, 2063-2071.	3.4	56
70	Type I Collagen Self-Assembly: The Roles of Substrate and Concentration. <i>Langmuir</i> , 2013, 29, 2330-2338.	3.5	49
71	Epithelial-Mesenchymal Transition Enhances Nanoscale Actin Filament Dynamics of Ovarian Cancer Cells. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9233-9240.	2.6	16
72	Variation in type I collagen fibril nanomorphology: the significance and origin. <i>BoneKey Reports</i> , 2013, 2, 394.	2.7	62

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73	PAMAM dendrimers as quantized building blocks for novel nanostructures. <i>Soft Matter</i> , 2013, 9, 11188.	2.7	27
74	Attractive Hydration Forces in DNA-Dendrimer Interactions on the Nanometer Scale. <i>Journal of Physical Chemistry B</i> , 2013, 117, 973-981.	2.6	22
75	Nanoscale structure of type I collagen fibrils: Quantitative measurement of D-spacing. <i>Biotechnology Journal</i> , 2013, 8, 117-126.	3.5	56
76	Crystallinity and compositional changes in carbonated apatites: Evidence from ³¹ P solid-state NMR, Raman, and AFM analysis. <i>Journal of Solid State Chemistry</i> , 2013, 206, 192-198.	2.9	74
77	Polyplex-Induced Cytosolic Nuclease Activation Leads to Differential Transgene Expression. <i>Molecular Pharmaceutics</i> , 2013, 10, 3013-3022.	4.6	21
78	Quantitative analysis of generation and branch defects in G5 poly(amidoamine) dendrimer. <i>Polymer</i> , 2013, 54, 4126-4133.	3.8	57
79	Dendrimer-Based Multivalent Vancomycin Nanoplatfrom for Targeting the Drug-Resistant Bacterial Surface. <i>ACS Nano</i> , 2013, 7, 214-228.	14.6	133
80	Polyplex Exposure Inhibits Cell Cycle, Increases Inflammatory Response, and Can Cause Protein Expression without Cell Division. <i>Molecular Pharmaceutics</i> , 2013, 10, 1306-1317.	4.6	27
81	Dual-wavelength digital holographic imaging with phase background subtraction. <i>Optical Engineering</i> , 2012, 51, 055801.	1.0	19
82	Effect of pH and Generation on Structural Properties of Poly(amidoamine) Dendrons Studied by Molecular Dynamics Simulations. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 127-136.	0.4	1
83	Type I Collagen D-Spacing in Fibril Bundles of Dermis, Tendon, and Bone: Bridging between Nano- and Micro-Level Tissue Hierarchy. <i>ACS Nano</i> , 2012, 6, 9503-9514.	14.6	77
84	Bifunctional PAMAM Dendrimer Conjugates of Folic Acid and Methotrexate with Defined Ratio. <i>Biomacromolecules</i> , 2012, 13, 982-991.	5.4	93
85	Efficient in Vitro siRNA Delivery and Intramuscular Gene Silencing Using PEG-Modified PAMAM Dendrimers. <i>Molecular Pharmaceutics</i> , 2012, 9, 1812-1821.	4.6	92
86	Cell volume changes during apoptosis monitored in real time using digital holographic microscopy. <i>Journal of Structural Biology</i> , 2012, 178, 270-278.	2.8	80
87	Intrinsic Dynamics of DNA-Polymer Complexes: A Mechanism for DNA Release. <i>Molecular Pharmaceutics</i> , 2012, 9, 2743-2749.	4.6	22
88	Estrogen Depletion Results in Nanoscale Morphology Changes in Dermal Collagen. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1791-1797.	0.7	34
89	Biophysical Characterization of a Riboflavin-Conjugated Dendrimer Platform for Targeted Drug Delivery. <i>Biomacromolecules</i> , 2012, 13, 507-516.	5.4	52
90	Dendrimer-Based Nanoparticle Therapies: Can Uniform Multifunctional Therapeutics Be Made with Current Chemical Approaches?. <i>Nanostructure Science and Technology</i> , 2012, , 295-313.	0.1	0

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91	Concurrent enrollment in lecture and laboratory enhances student performance and retention. <i>Journal of Research in Science Teaching</i> , 2012, 49, 659-682.	3.3	40
92	Best Practices for Purification and Characterization of PAMAM Dendrimer. <i>Macromolecules</i> , 2012, 45, 5316-5320.	4.8	56
93	Dendrimer-based multivalent methotrexates as dual acting nanoconjugates for cancer cell targeting. <i>European Journal of Medicinal Chemistry</i> , 2012, 47, 560-572.	5.5	77
94	Dual wavelength digital holographic imaging of cells with phase background subtraction. , 2012, , .		1
95	Evaluation of a symmetry-based strategy for assembling protein complexes. <i>RSC Advances</i> , 2011, 1, 1004.	3.6	36
96	Acetonitrile shortage: Use of isopropanol as an alternative elution system for ultra/high performance liquid chromatography. <i>Analytical Methods</i> , 2011, 3, 56-58.	2.7	21
97	2H-1,2-Thiaborin: A New Boron-Sulfur Heterocycle. <i>Organometallics</i> , 2011, 30, 3698-3700.	2.3	21
98	Bioanalytical Screening of Riboflavin Antagonists for Targeted Drug Delivery—A Thermodynamic and Kinetic Study. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 363-367.	2.8	29
99	Heterogeneous Ligand-Nanoparticle Distributions: A Major Obstacle to Scientific Understanding and Commercial Translation. <i>Accounts of Chemical Research</i> , 2011, 44, 1135-1145.	15.6	72
100	Design, Synthesis, and Biological Functionality of a Dendrimer-Based Modular Drug Delivery Platform. <i>Bioconjugate Chemistry</i> , 2011, 22, 679-689.	3.6	28
101	Contributions of Ordered Solvent to Long-Range DNA-Dendrimer Interactions. <i>Biophysical Journal</i> , 2011, 100, 356a-357a.	0.5	0
102	Dual-wavelength linear regression phase unwrapping in three-dimensional microscopic images of cancer cells. <i>Optics Letters</i> , 2011, 36, 912.	3.3	54
103	Nanoscale morphology of Type I collagen is altered in the Brl mouse model of Osteogenesis Imperfecta. <i>Journal of Structural Biology</i> , 2011, 173, 146-152.	2.8	74
104	Effect of osteogenesis imperfecta mutations on free energy of collagen model peptides: A molecular dynamics simulation. <i>Biophysical Chemistry</i> , 2011, 156, 146-152.	2.8	8
105	The severity of osteogenesis imperfecta: A comparison to the relative free energy differences of collagen model peptides. <i>Biopolymers</i> , 2011, 95, 182-193.	2.4	15
106	Free energy simulation to investigate the effect of amino acid sequence environment on the severity of osteogenesis imperfecta by glycine mutations in collagen. <i>Biopolymers</i> , 2011, 95, 401-409.	2.4	8
107	Polyvalent saccharide-functionalized generation 3 poly(amidoamine) dendrimer-methotrexate conjugate as a potential anticancer agent. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2557-2564.	3.0	59
108	Dual wavelength digital holography phase unwrapping by linear regression. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3

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109	A Quantitative Assessment of Nanoparticle~Ligand Distributions: Implications for Targeted Drug and Imaging Delivery in Dendrimer Conjugates. <i>ACS Nano</i> , 2010, 4, 657-670.	14.6	143
110	Isolation and Characterization of Dendrimers with Precise Numbers of Functional Groups. <i>Chemistry - A European Journal</i> , 2010, 16, 10675-10678.	3.3	36
111	Investigating the Interaction Between Folic Acid and Folate Binding Protein at the Single Molecule Level. <i>Biophysical Journal</i> , 2010, 98, 596a.	0.5	0
112	Microscopic Basis for the Mesoscopic Extensibility of Dendrimer-Compacted DNA. <i>Biophysical Journal</i> , 2010, 98, 834-842.	0.5	17
113	Type I Collagen Exists as a Distribution of Nanoscale Morphologies in Teeth, Bones, and Tendons. <i>Langmuir</i> , 2010, 26, 7349-7354.	3.5	64
114	Polycation-Induced Cell Membrane Permeability Does Not Enhance Cellular Uptake or Expression Efficiency of Delivered DNA. <i>Molecular Pharmaceutics</i> , 2010, 7, 2370-2370.	4.6	2
115	Effect of Mass Transport in the Synthesis of Partially Acetylated Dendrimer: Implications for Functional Ligand~Nanoparticle Distributions. <i>Macromolecules</i> , 2010, 43, 6577-6587.	4.8	19
116	Parallelograms and Ladders: Polymorphic Solid-State Structures and Solution Equilibria of Cp*GeCl. <i>Organometallics</i> , 2010, 29, 5004-5009.	2.3	2
117	Origin of broad polydispersion in functionalized dendrimers and its effects on cancer-cell binding affinity. <i>Physical Review E</i> , 2010, 82, 036108.	2.1	9
118	The Mechanism of Polyplex Internalization into Cells: Testing the GM1/Caveolin-1 Lipid Raft Mediated Endocytosis Pathway. <i>Molecular Pharmaceutics</i> , 2010, 7, 267-279.	4.6	37
119	Distribution of type I collagen morphologies in bone: Relation to estrogen depletion. <i>Bone</i> , 2010, 46, 1349-1354.	2.9	70
120	Polycation-Induced Cell Membrane Permeability Does Not Enhance Cellular Uptake or Expression Efficiency of Delivered DNA. <i>Molecular Pharmaceutics</i> , 2010, 7, 870-883.	4.6	39
121	C~H Activation of Alkanes, Alkenes, Alkynes, Arenes, and Ethers Using a Stannylenyl/Aryl Halide Mixture. <i>Organometallics</i> , 2010, 29, 5033-5039.	2.3	21
122	Solid-State NMR Reveals the Hydrophobic-Core Location of Poly(amidoamine) Dendrimers in Biomembranes. <i>Journal of the American Chemical Society</i> , 2010, 132, 8087-8097.	13.7	95
123	Development of a remanence measurement-based SQUID system with in-depth resolution for nanoparticle imaging. <i>Physics in Medicine and Biology</i> , 2009, 54, N177-N188.	3.0	21
124	Pulsed-laser creation and characterization of giant plasma membrane vesicles from cells. <i>Journal of Biological Physics</i> , 2009, 35, 279-295.	1.5	17
125	Nanotoxicology: a personal perspective. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 353-359.	6.1	31
126	The Role of Ganglioside GM1 in Cellular Internalization Mechanisms of Poly(amidoamine) Dendrimers. <i>Bioconjugate Chemistry</i> , 2009, 20, 1503-1513.	3.6	68

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127	Cationic Poly(amidoamine) Dendrimer Induces Lysosomal Apoptotic Pathway at Therapeutically Relevant Concentrations. <i>Biomacromolecules</i> , 2009, 10, 3207-3214.	5.4	109
128	RGD Dendron Bodies; Synthetic Avidity Agents with Defined and Potentially Interchangeable Effector Sites That Can Substitute for Antibodies. <i>Bioconjugate Chemistry</i> , 2009, 20, 1853-1859.	3.6	36
129	Cationic Nanoparticles Induce Nanoscale Disruption in Living Cell Plasma Membranes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11179-11185.	2.6	202
130	Stoichiometry and Structure of Poly(amidoamine) Dendrimer-Lipid Complexes. <i>ACS Nano</i> , 2009, 3, 1886-1896.	14.6	87
131	Stoichiometries and Energetics of Cationic Nanoparticle-Membrane Complexes. <i>Biophysical Journal</i> , 2009, 96, 19a.	0.5	0
132	Silylene- and Germylene-Mediated C-H Activation: Reaction with Alkanes, Ethers, and Amines. <i>Organometallics</i> , 2009, 28, 2744-2755.	2.3	30
133	Facile Hydrothermal Synthesis of Iron Oxide Nanoparticles with Tunable Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13593-13599.	3.1	267
134	Force Calculations for DNA-PAMAM Dendrimer Interactions from Molecular Dynamics Simulations. <i>Biophysical Journal</i> , 2009, 96, 366a.	0.5	0
135	Synthesis, Characterization, and <i>in Vitro</i> Testing of Superparamagnetic Iron Oxide Nanoparticles Targeted Using Folic Acid-Conjugated Dendrimers. <i>ACS Nano</i> , 2008, 2, 773-783.	14.6	163
136	Wide Varieties of Cationic Nanoparticles Induce Defects in Supported Lipid Bilayers. <i>Nano Letters</i> , 2008, 8, 420-424.	9.1	497
137	Poly(amidoamine) Dendrimers on Lipid Bilayers II: Effects of Bilayer Phase and Dendrimer Termination. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9346-9353.	2.6	90
138	Poly(amidoamine) Dendrimers on Lipid Bilayers I: Free Energy and Conformation of Binding. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9337-9345.	2.6	74
139	A Stannylen/Aryl Iodide Reagent for Allylic CH Activation and Double Bond Addition Chemistry. <i>Organometallics</i> , 2008, 27, 1041-1043.	2.3	24
140	Direct Formation of Propargyltin Compounds via C-H Activation. <i>Organometallics</i> , 2008, 27, 2896-2897.	2.3	15
141	Interactions of Poly(amidoamine) Dendrimers with Survanta Lung Surfactant: The Importance of Lipid Domains. <i>Langmuir</i> , 2008, 24, 11003-11008.	3.5	35
142	The Implications of Stochastic Synthesis for the Conjugation of Functional Groups to Nanoparticles. <i>Bioconjugate Chemistry</i> , 2008, 19, 1748-1752.	3.6	48
143	Cell Plasma Membranes and Phase Transitions. , 2008, , 171-181.		6
144	Nanoparticle Interaction with Biological Membranes: Does Nanotechnology Present a Janus Face?. <i>Accounts of Chemical Research</i> , 2007, 40, 335-342.	15.6	492

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145	Design and Implementation of a Studio-Based General Chemistry Course. <i>Journal of Chemical Education</i> , 2007, 84, 265.	2.3	35
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147	The bonding geometry of alkylsilanes on gold: Relation to surface pattern development and STM image contrast. <i>Surface Science</i> , 2007, 601, 1937-1943.	1.9	5
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