

Harry R Allcock

List of Publications by Year in descending order

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times ranked

6239
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient Temperature Synthesis of Poly(dichlorophosphazene) with Molecular Weight Control. <i>Journal of the American Chemical Society</i> , 1995, 117, 7035-7036.	6.6	243
2	“Living” Cationic Polymerization of Phosphoranimines as an Ambient Temperature Route to Polyphosphazenes with Controlled Molecular Weights. <i>Macromolecules</i> , 1996, 29, 7740-7747.	2.2	194
3	Tunable, biodegradable gold nanoparticles as contrast agents for computed tomography and photoacoustic imaging. <i>Biomaterials</i> , 2016, 102, 87-97.	5.7	189
4	Poly[bis(2,2,2-trifluoroethoxy)phosphazene] Superhydrophobic Nanofibers. <i>Langmuir</i> , 2005, 21, 11604-11607.	1.6	186
5	A highly porous 3-dimensional polyphosphazene polymer matrix for skeletal tissue regeneration. , 1996, 30, 133-138.		181
6	Poly[(amino acid ester)phosphazenes]: Synthesis, Crystallinity, and Hydrolytic Sensitivity in Solution and the Solid State. <i>Macromolecules</i> , 1994, 27, 1071-1075.	2.2	175
7	Use of polyphosphazenes for skeletal tissue regeneration. <i>Journal of Biomedical Materials Research Part B</i> , 1993, 27, 963-973.	3.0	167
8	Effect of Side Group Chemistry on the Properties of Biodegradable-Alanine Cosubstituted Polyphosphazenes. <i>Biomacromolecules</i> , 2006, 7, 914-918.	2.6	149
9	An ionically crosslinkable polyphosphazene: poly[bis(carboxylatophenoxy)phosphazene] and its hydrogels and membranes. <i>Macromolecules</i> , 1989, 22, 75-79.	2.2	148
10	Ionically crosslinkable polyphosphazene: a novel polymer for microencapsulation. <i>Journal of the American Chemical Society</i> , 1990, 112, 7832-7833.	6.6	142
11	The Ammonium Chloride Route to Anhydrous Rare Earth Chlorides-The Example of YCl ₃ . <i>Inorganic Syntheses</i> , 2007, , 146-150.	0.3	139
12	Bioerodible polyphosphazenes and their medical potential. <i>Polymer Chemistry</i> , 2012, 3, 578-590.	1.9	136
13	Biomimetic Structures: Biological Implications of Dipeptide-Substituted Polyphosphazene-Polyester Blend Nanofiber Matrices for Load-Bearing Bone Regeneration. <i>Advanced Functional Materials</i> , 2011, 21, 2641-2651.	7.8	129
14	Polyphosphazene Block Copolymers via the Controlled Cationic, Ambient Temperature Polymerization of Phosphoranimines. <i>Macromolecules</i> , 1997, 30, 2213-2215.	2.2	124
15	Polyphosphazene polymers for tissue engineering: an analysis of material synthesis, characterization and applications. <i>Soft Matter</i> , 2010, 6, 3119.	1.2	123
16	Ambient-Temperature Direct Synthesis of Poly(organo-phosphazenes) via the “Living” Cationic Polymerization of Organo-Substituted Phosphoranimines. <i>Macromolecules</i> , 1997, 30, 50-56.	2.2	120
17	Poly(organo-phosphazenes) “Unusual New High Polymers. <i>Angewandte Chemie International Edition in English</i> , 1977, 16, 147-156.	4.4	116
18	Polyphosphazenes Bearing Branched and Linear Oligoethyleneoxy Side Groups as Solid Solvents for Ionic Conduction. <i>Macromolecules</i> , 1996, 29, 7544-7552.	2.2	116

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19	Recent developments in polyphosphazene materials science. <i>Current Opinion in Solid State and Materials Science</i> , 2006, 10, 231-240.	5.6	115
20	High temperature transport properties of polyphosphazene membranes for direct methanol fuel cells. <i>Electrochimica Acta</i> , 2003, 48, 2173-2180.	2.6	113
21	Poly[(amino acid ester)phosphazenes] as substrates for the controlled release of small molecules. <i>Biomaterials</i> , 1994, 15, 563-569.	5.7	104
22	Effects of organic side group structures on the properties of poly(organophosphazenes). <i>Macromolecules</i> , 1988, 21, 323-334.	2.2	102
23	Small-molecule phosphazene rings as models for high polymeric chains. <i>Accounts of Chemical Research</i> , 1979, 12, 351-358.	7.6	99
24	Design and synthesis of ion-conductive polyphosphazenes for fuel cell applications: Review. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2358-2368.	2.4	97
25	Phenylphosphonic Acid Functionalized Poly[aryloxyphosphazenes]. <i>Macromolecules</i> , 2002, 35, 3484-3489.	2.2	96
26	Poly(thiophosphazenes): new inorganic macromolecules with backbones composed of phosphorus, nitrogen, and sulfur atoms. <i>Journal of the American Chemical Society</i> , 1990, 112, 1268-1269.	6.6	92
27	Mechanical properties and osteocompatibility of novel biodegradable alanine based polyphosphazenes: Side group effects. <i>Acta Biomaterialia</i> , 2010, 6, 1931-1937.	4.1	92
28	Miscibility and in vitro osteocompatibility of biodegradable blends of poly[(ethyl alanato) (p-phenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.7	91
29	Dipeptide-based polyphosphazene and polyester blends for bone tissue engineering. <i>Biomaterials</i> , 2010, 31, 4898-4908.	5.7	91
30	Sulfonation of (aryloxy)- and (arylamino)phosphazenes: small-molecule compounds, polymers, and surfaces. <i>Chemistry of Materials</i> , 1991, 3, 1120-1132.	3.2	90
31	Polyphosphazene elastomers, gels, and other soft materials. <i>Soft Matter</i> , 2012, 8, 7521.	1.2	88
32	Synthesis of Polyphosphazenes with Ethyleneoxy-Containing Side Groups: A New Solid Electrolyte Materials. <i>Macromolecules</i> , 1996, 29, 3384-3389.	2.2	85
33	Phosphorus-nitrogen compounds. 30. Synthesis of platinum derivatives of polymeric and cyclic phosphazenes. <i>Journal of the American Chemical Society</i> , 1977, 99, 3984-3987.	6.6	80
34	Novel polyphosphazene/poly(lactide-co-glycolide) blends: miscibility and degradation studies. <i>Biomaterials</i> , 1997, 18, 1565-1569.	5.7	80
35	The expanding field of polyphosphazene high polymers. <i>Dalton Transactions</i> , 2016, 45, 1856-1862.	1.6	79
36	Synthesis and Characterization of Ionically Conducting Alkoxy Ether/Alkoxy Mixed-Substituent Poly(organophosphazenes) and Their Use as Solid Solvents for Ionic Conduction. <i>Macromolecules</i> , 1996, 29, 1951-1956.	2.2	77

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37	Lower Critical Solubility Temperature Study of Alkyl Ether Based Polyphosphazenes. <i>Macromolecules</i> , 1996, 29, 1313-1319.	2.2	76
38	Second-order nonlinear optical poly(organophosphazenes): synthesis and nonlinear optical characterization. <i>Macromolecules</i> , 1991, 24, 1000-1010.	2.2	75
39	Synthesis of CdS Nanoparticles in Solution and in a Polyphosphazene Matrix. <i>Chemistry of Materials</i> , 1997, 9, 1367-1376.	3.2	74
40	Hydrophobic and superhydrophobic surfaces from polyphosphazenes. <i>Polymer International</i> , 2006, 55, 621-625.	1.6	74
41	Counterion Effects on Ion Mobility and Mobile Ion Concentration of Doped Polyphosphazene and Polyphosphazene Ionomers. <i>Macromolecules</i> , 2007, 40, 3990-3995.	2.2	74
42	Poly(phosphazene-ethylene oxide) Di- and Triblock Copolymers as Solid Polymer Electrolytes. <i>Macromolecules</i> , 2001, 34, 5463-5470.	2.2	72
43	Methoxyethoxyethoxyphosphazenes as ionic conductive fire retardant additives for lithium battery systems. <i>Journal of Power Sources</i> , 2010, 195, 2082-2088.	4.0	72
44	Injectable and Biodegradable Supramolecular Hydrogels by Inclusion Complexation between Poly(organophosphazenes) and β -Cyclodextrin. <i>Macromolecules</i> , 2013, 46, 2715-2724.	2.2	72
45	Synthesis of sugar-substituted cyclic and polymeric phosphazenes and their oxidation, reduction, and acetylation reactions. <i>Macromolecules</i> , 1983, 16, 715-719.	2.2	70
46	Synthesis of the First Organic Polymer/Polyphosphazene Block Copolymers: Ambient Temperature Synthesis of Triblock Poly(Phosphazene-ethylene oxide) Copolymers. <i>Macromolecules</i> , 1998, 31, 947-949.	2.2	70
47	Synthesis and structure of metallocene cyclophosphazene derivatives. <i>Journal of the American Chemical Society</i> , 1984, 106, 2337-2347.	6.6	69
48	Effect of Oligo(ethyleneoxy)cyclotriphosphazenes, Tetraglyme, and Other Small Molecules on the Ionic Conductivity of the Poly[bis(methoxyethoxyethoxy)phosphazene] (MEEP)/Lithium Triflate System. <i>Macromolecules</i> , 1997, 30, 3184-3190.	2.2	69
49	Poly[(aryloxy)phosphazenes] with phenylphenoxy and related bulky side groups: synthesis, thermal transition behavior, and optical properties. <i>Macromolecules</i> , 1989, 22, 4179-4190.	2.2	66
50	Properties of Poly(phosphazene-siloxane) Block Copolymers Synthesized via Telechelic Polyphosphazenes and Polysiloxane Phosphoranimines. <i>Macromolecules</i> , 2001, 34, 6858-6865.	2.2	65
51	Synthesis and Micellar Behavior of Amphiphilic Polystyrene-Poly[bis(methoxyethoxyethoxy)phosphazene] Block Copolymers. <i>Macromolecules</i> , 2004, 37, 7163-7167.	2.2	63
52	Polyphosphazenes with High Refractive Indices: Optical Dispersion and Molar Refractivity. <i>Macromolecules</i> , 1997, 30, 4179-4183.	2.2	62
53	A Perspective of Polyphosphazene Research. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2007, 16, 277-294.	1.9	61
54	Synthesis of Triarmed-Star Polyphosphazenes via the "Living" Cationic Polymerization of Phosphoranimines at Ambient Temperatures. <i>Macromolecules</i> , 1997, 30, 1854-1856.	2.2	60

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55	Telechelic Syntheses of the First Phosphazene Siloxane Block Copolymers. <i>Macromolecules</i> , 1999, 32, 6390-6392.	2.2	60
56	Investigation of Apatite Mineralization on Antioxidant Polyphosphazenes for Bone Tissue Engineering. <i>Chemistry of Materials</i> , 2012, 24, 3500-3509.	3.2	59
57	Polyphosphazenes. <i>Journal of Inorganic and Organometallic Polymers</i> , 1992, 2, 197-211.	1.5	58
58	Organic Polymers with Cyclophosphazene Side Groups: Influence of the Phosphazene on Physical Properties and Thermolysis. <i>Macromolecules</i> , 2001, 34, 3896-3904.	2.2	58
59	Polyphosphazene functionalized polyester fiber matrices for tendon tissue engineering: <i>in vitro</i> evaluation with human mesenchymal stem cells. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 045016.	1.7	57
60	Engineered stem cell niche matrices for rotator cuff tendon regenerative engineering. <i>PLoS ONE</i> , 2017, 12, e0174789.	1.1	57
61	Ring-opening polymerization of metallocene cyclophosphazene derivatives. <i>Macromolecules</i> , 1985, 18, 1340-1345.	2.2	56
62	Polyphosphazene- <i>b</i> -Polystyrene Copolymers: Block and Graft Copolymers from Polyphosphazene and Polystyrene Macromonomers. <i>Macromolecules</i> , 2000, 33, 5763-5765.	2.2	56
63	In situ Porous Structures: A Unique Polymer Erosion Mechanism in Biodegradable Dipeptide-Based Polyphosphazene and Polyester Blends Producing Matrices for Regenerative Engineering. <i>Advanced Functional Materials</i> , 2010, 20, 2794-2806.	7.8	55
64	Glyceryl polyphosphazenes: synthesis, properties, and hydrolysis. <i>Macromolecules</i> , 1988, 21, 1980-1985.	2.2	54
65	Ionic Conduction in Polyphosphazene Solids and Gels: ¹³ C, ³¹ P, and ¹⁵ N NMR Spectroscopy and Molecular Dynamics Simulations. <i>Macromolecules</i> , 1999, 32, 732-741.	2.2	54
66	Synthesis of polyphosphazenes bearing covalently linked copper phthalocyanine units. <i>Macromolecules</i> , 1986, 19, 1495-1501.	2.2	53
67	Cation Complexation and Conductivity in Crown Ether Bearing Polyphosphazenes. <i>Macromolecules</i> , 1998, 31, 753-759.	2.2	53
68	The influence of side group modification in polyphosphazenes on hydrolysis and cell adhesion of blends with PLGA. <i>Biomaterials</i> , 2009, 30, 3035-3041.	5.7	53
69	Phosphorylation of phosphazenes and its effects on thermal properties and fire retardant behavior. <i>Polymer Engineering and Science</i> , 2000, 40, 1177-1189.	1.5	52
70	Biodegradable Polyphosphazene-Based Blends for Regenerative Engineering. <i>Regenerative Engineering and Translational Medicine</i> , 2017, 3, 15-31.	1.6	52
71	The synthesis of functional polyphosphazenes and their surfaces. <i>Applied Organometallic Chemistry</i> , 1998, 12, 659-666.	1.7	51
72	(2-Diphenylphosphino)Benzenamine. <i>Inorganic Syntheses</i> , 2007, , 129-133.	0.3	51

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73	Design and Optimization of Polyphosphazene Functionalized Fiber Matrices for Soft Tissue Regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 107-124.	0.5	51
74	Preparation of quaternized organic-inorganic hybrid brush polyphosphazene-co-poly[2-(dimethylamino)ethyl methacrylate] electrospun fibers and their antibacterial properties. <i>Polymer Chemistry</i> , 2012, 3, 2082.	1.9	51
75	Syntheses and structures of cyclic and short-chain linear phosphazenes bearing 4-phenylphenoxy side groups. <i>Journal of the American Chemical Society</i> , 1991, 113, 2628-2634.	6.6	50
76	Strain-induced ring-opening polymerization of ferrocenylorganocyclotriphosphazenes: a new synthetic route to poly(organophosphazenes). <i>Journal of the American Chemical Society</i> , 1991, 113, 9596-9603.	6.6	50
77	Synthesis of Cycloliner Phosphazene-Containing Polymers via ADMET Polymerization. <i>Macromolecules</i> , 2001, 34, 5140-5146.	2.2	50
78	Polyurethane/poly[bis(carboxylatophenoxy)phosphazene] blends and their potential as flame-retardant materials. <i>Polymer Engineering and Science</i> , 2000, 40, 465-472.	1.5	49
79	The effects of cations and anions on the ionic conductivity of poly[bis(2-(2-methoxyethoxy)ethoxy)phosphazene] doped with lithium and magnesium salts of trifluoromethanesulfonate and bis(trifluoromethanesulfonyl)imidate. <i>Solid State Ionics</i> , 2010, 181, 1721-1726.	1.3	49
80	Polynorbornenes Bearing Pendent Cyclotriphosphazenes with Oligoethyleneoxy Side Groups: Behavior as Solid Polymer Electrolytes. <i>Macromolecules</i> , 2001, 34, 787-794.	2.2	48
81	Polyphosphazenes Containing Vitamin Substituents: Synthesis, Characterization, and Hydrolytic Sensitivity. <i>Macromolecules</i> , 2011, 44, 1355-1364.	2.2	48
82	Phosphorus-nitrogen compounds. 31. Crystal and molecular structure of a platinum-cyclophosphazene complex: cis-dichloro[octa(methylamino)cyclotetraphosphazene-N,N'']platinum(II). <i>Journal of the American Chemical Society</i> , 1977, 99, 3987-3991.	6.6	46
83	Cobalt hydroformylation catalyst supported on a phosphinated polyphosphazene. Identification of phosphorus-carbon bond cleavage as mode of catalyst deactivation. <i>Organometallics</i> , 1986, 5, 460-466.	1.1	46
84	Electronic properties and redox conduction of ferrocene-substituted high polymeric phosphazenes. <i>Journal of the American Chemical Society</i> , 1988, 110, 7254-7255.	6.6	46
85	Biomimetic, bioactive etheric polyphosphazene-poly(lactide-co-glycolide) blends for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 114-125.	2.1	46
86	Phosphazene High Polymers and Models with Cyclic Aliphatic Side Groups: New Structure-Property Relationships. <i>Macromolecules</i> , 2015, 48, 4301-4311.	2.2	46
87	Synthesis and Characterization of Phosphazene Di- and Triblock Copolymers via the Controlled Cationic, Ambient Temperature Polymerization of Phosphoranimines. <i>Macromolecules</i> , 2000, 33, 3999-4007.	2.2	45
88	Synthesis of Liquid Crystalline Phosphazenes Containing Chiral Mesogens. <i>Macromolecules</i> , 1995, 28, 4351-4360.	2.2	44
89	Synthesis of Adamantyl Polyphosphazene-Polystyrene Block Copolymers, and β -Cyclodextrin-Adamantyl Side Group Complexation. <i>Macromolecules</i> , 2009, 42, 4484-4490.	2.2	44
90	Poly(thiophosphazenes): new inorganic backbone polymers. <i>Macromolecules</i> , 1993, 26, 11-16.	2.2	43

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91	Hydrolytic degradation of ionically cross-linked polyphosphazene microspheres. <i>Journal of Applied Polymer Science</i> , 1994, 53, 1573-1578.	1.3	43
92	Tyrosine-Bearing Polyphosphazenes. <i>Biomacromolecules</i> , 2003, 4, 1646-1653.	2.6	43
93	Biodegradable alanine and phenylalanine alkyl ester polyphosphazenes as potential ligament and tendon tissue scaffolds. <i>Polymer Chemistry</i> , 2013, 4, 600-606.	1.9	43
94	Biodegradable polyphosphazenes containing antibiotics: synthesis, characterization, and hydrolytic release behavior. <i>Polymer Chemistry</i> , 2013, 4, 1826.	1.9	43
95	Novel Highly Fluorinated Perfluorocyclobutane-Based Phosphazene Polymers for Photonic Applications. <i>Chemistry of Materials</i> , 2007, 19, 6338-6344.	3.2	42
96	Cobalt-mediated phosphorus-aryl bond cleavage during hydroformylation. <i>Organometallics</i> , 1984, 3, 649-650.	1.1	41
97	Synthesis and Characterization of Hindered Polyphosphazenes via Functionalized Intermediates: Exploratory Models for Electro-optical Materials. <i>Macromolecules</i> , 1998, 31, 5206-5214.	2.2	41
98	Synthesis of Telechelic Polyphosphazenes via the Ambient Temperature Living Cationic Polymerization of Amino Phosphoranimines. <i>Macromolecules</i> , 1999, 32, 5736-5743.	2.2	41
99	Design and examination of an antioxidant-containing polyphosphazene scaffold for tissue engineering. <i>Polymer Chemistry</i> , 2012, 3, 778.	1.9	41
100	Phosphorus-nitrogen ring systems and high polymers. Iron- and ruthenium-linked phosphazenes. <i>Journal of the American Chemical Society</i> , 1983, 105, 1321-1327.	6.6	40
101	Influence of Different Iodide Salts on the Performance of Dye-Sensitized Solar Cells Containing Phosphazene-Based Nonvolatile Electrolytes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15234-15242.	1.5	40
102	Generation of structural diversity in polyphosphazenes. <i>Applied Organometallic Chemistry</i> , 2013, 27, 620-629.	1.7	40
103	Nanodisco Balls: Control over Surface versus Core Loading of Diagnostically Active Nanocrystals into Polymer Nanoparticles. <i>ACS Nano</i> , 2014, 8, 9143-9153.	7.3	40
104	Generational biodegradable and regenerative polyphosphazene polymers and their blends with poly(lactic-co-glycolic acid). <i>Progress in Polymer Science</i> , 2019, 98, 101146.	11.8	40
105	Inclusion Adduct Formation between Tris(o-phenylenedioxy)cyclotriphosphazene and Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (carb	2.2	39
106	Ring-Opening Metathesis Polymerization of Phosphazene-Functionalized Norbornenes. <i>Macromolecules</i> , 1999, 32, 7719-7725.	2.2	38
107	Environmentally responsive micelles from polystyrene-poly[bis(potassium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (carb	2.5	38
108	Polyphosphazenes That Contain Dipeptide Side Groups: Synthesis, Characterization, and Sensitivity to Hydrolysis. <i>Macromolecules</i> , 2009, 42, 636-639.	2.2	38

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109	Cyclotriphosphazenes with sulfur-containing side groups: refractive index and optical dispersion. Dalton Transactions, 2009, , 2477.	1.6	38
110	Development and Characterization of Biodegradable Nanocomposite Injectables for Orthopaedic Applications Based on Polyphosphazenes. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 733-752.	1.9	38
111	Synthesis and Characterization of Brush-Shaped Hybrid Inorganic/Organic Polymers Based on Polyphosphazenes. Macromolecules, 2012, 45, 1417-1426.	2.2	38
112	New Approaches to Hybrid Polymers that Contain Phosphazene Rings. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 349-359.	1.9	37
113	Synthesis and Assembly of Novel Poly(organophosphazene) Structures Based on Noncovalent "Host-Guest" Inclusion Complexation. Macromolecules, 2014, 47, 1065-1072.	2.2	37
114	Polymerization of new metallocenylphosphazenes. Macromolecules, 1987, 20, 6-10.	2.2	36
115	Current Status of Polyphosphazene Chemistry. ACS Symposium Series, 1988, , 250-267.	0.5	36
116	A redox responsive polymeric gel based on ionic crosslinking. Soft Matter, 2006, 2, 397.	1.2	36
117	Influence of Terminal Phenyl Groups on the Side Chains of Phosphazene Polymers: A Structure-Property Relationships and Polymer Electrolyte Behavior. Macromolecules, 2007, 40, 322-328.	2.2	36
118	Polyphosphazenes Functionalized with Sulfone or Sulfoxide Groups: A Synthesis, Characterization, and Possible Polymer Electrolyte Applications. Macromolecules, 1998, 31, 8036-8046.	2.2	35
119	Polyphosphazenes with Adamantyl Side Groups. Macromolecules, 1997, 30, 5683-5687.	2.2	34
120	Ionic Transport in Polymer Electrolytes: The Essential Role of Associated Ionic Species. Macromolecules, 2004, 37, 8699-8702.	2.2	34
121	Lithium-Ion Conductive Polymers as Prospective Membranes for Lithium-Seawater Batteries. Chemistry of Materials, 2006, 18, 4486-4492.	3.2	34
122	Plasma Surface Functionalization of Poly[bis(2,2,2-trifluoroethoxy)phosphazene] Films and Nanofibers. Langmuir, 2007, 23, 8103-8107.	1.6	34
123	A second-order nonlinear optical poly(organophosphazene). Chemistry of Materials, 1990, 2, 97-99.	3.2	33
124	Incorporation of Cyclic Phosphazene Trimers into Saturated and Unsaturated Ethylene-like Polymer Backbones. Macromolecules, 2002, 35, 40-47.	2.2	33
125	A Novel Synthetic Method for Hybridoma Cell Encapsulation. Nature Biotechnology, 1991, 9, 468-471.	9.4	32
126	Reactivity and polymerization behavior of a pentachlorocyclocarbophosphazene, N3P2CCl5. Inorganic Chemistry, 1993, 32, 5088-5094.	1.9	32

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127	Synthesis and Characterization of Polyphosphazene- <i>block</i> -polyester and Polyphosphazene- <i>block</i> -polycarbonate Macromolecules. <i>Macromolecules</i> , 2008, 41, 1126-1130.	2.2	32
128	UV-cleavable unimolecular micelles: synthesis and characterization toward photocontrolled drug release carriers. <i>Polymer Chemistry</i> , 2013, 4, 1115-1125.	1.9	32
129	Cationic Homo- and Copolymerization of Fluorophosphoranimines as an Ambient Temperature Synthetic Route to Poly(fluorophosphazenes), [NPF(R)] _n , with Controlled Architectures. <i>Macromolecules</i> , 1997, 30, 3191-3196.	2.2	31
130	Poly(methyl methacrylate)-graft-poly- [bis(trifluoroethoxy)phosphazene] Copolymers: Synthesis, Characterization, and Effects of Polyphosphazene Incorporation. <i>Macromolecules</i> , 2004, 37, 5824-5829.	2.2	31
131	Polyphosphazenes: Phosphorus in Inorganic-Organic Polymers. <i>Journal of Organic Chemistry</i> , 2020, 85, 14286-14297.	1.7	31
132	Metallocenylphosphazene ring systems and high polymers. Reactions of ferrocenyl- and ruthenocenylphosphazenes with lithiometalloenes and the x-ray structures of N ₃ P ₃ F ₄ (.eta.-C ₅ H ₄) ₂ Fe, [N ₃ P ₃ F ₃ {(.eta.-C ₅ H ₄) ₂ Fe}{(.eta.-C ₅ H ₄)Fe(.eta.-C ₅ H ₅)}], 1,5-N ₄ P ₄ F ₆ (.eta.-C ₅ H ₄) ₂ Fe, and 1,5,3,7-N ₄ P ₄ F ₄ [(.eta.-C ₅ H ₄) ₂ Ru] ₂ . <i>Organometallics</i> , 1986, 5, 1626-1635.	1.1	30
133	Functionalized Polyphosphazenes: Polymers with Pendent Tertiary Trialkylamino Groups. <i>Macromolecules</i> , 1998, 31, 5255-5263.	2.2	30
134	Synthesis and Micellar Behavior of Novel Amphiphilic Poly[bis(trifluoroethoxy)phosphazene]- <i>co</i> -poly[(dimethylamino)ethyl methacrylate] Block Copolymers. <i>Macromolecules</i> , 2012, 45, 2502-2508.	2.2	30
135	Synthesis and Characterization of Trifluoroethoxy Polyphosphazenes Containing Polyhedral Oligomeric Silsesquioxane (POSS) Side Groups. <i>Macromolecules</i> , 2016, 49, 1313-1320.	2.2	30
136	Ring-opening polymerization of methylsilane- and methylsiloxane-substituted cyclotriphosphazenes. <i>Macromolecules</i> , 1988, 21, 1-10.	2.2	29
137	The Biocompatibility of Biodegradable Glycine Containing Polyphosphazenes: A Comparative study in Bone. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2007, 16, 387-396.	1.9	29
138	Toward an Iron(II) Spin-Crossover Grafted Phosphazene Polymer. <i>Inorganic Chemistry</i> , 2012, 51, 8307-8316.	1.9	29
139	Dicobalt-hexacarbonyl complexes of acetylenic phosphazenes. <i>Organometallics</i> , 1984, 3, 432-440.	1.1	28
140	In Vitro Release of Colchicine Using Poly(phosphazenes): The Development of Delivery Systems for Musculoskeletal Use. <i>Pharmaceutical Development and Technology</i> , 1998, 3, 55-62.	1.1	28
141	Hydrolysable poly(lactide)-polyphosphazene block copolymers for biomedical applications: synthesis, characterization, and composites with poly(lactic-co-glycolic acid). <i>Polymer Chemistry</i> , 2010, 1, 1459.	1.9	28
142	Elastomeric Polyphosphazenes with Phenoxy-Cyclotriphosphazene Side Groups. <i>Macromolecules</i> , 2015, 48, 7543-7549.	2.2	28
143	A new textured polyphosphazene biomaterial with improved blood coagulation and microbial infection responses. <i>Acta Biomaterialia</i> , 2018, 67, 87-98.	4.1	28
144	Polyphosphazene polymers: The next generation of biomaterials for regenerative engineering and therapeutic drug delivery. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, 030801.	0.6	28

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