Harry R Allcock

List of Publications by Year
in descending order

310 papers	11,268 citations	26567 56 h-index	58464 82 g-index
318 all docs	318 docs citations	318 times ranked	5538 citing authors

#	Article	IF	Citations
1	Ambient Temperature Synthesis of Poly(dichlorophosphazene) with Molecular Weight Control. Journal of the American Chemical Society, 1995, 117, 7035-7036.	6.6	243
2	â€œLivingâ€•Cationic Polymerization of Phosphoranimines as an Ambient Temperature Route to Polyphosphazenes with Controlled Molecular Weights. Macromolecules, 1996, 29, 7740-7747.	2.2	194
3	Tunable, biodegradable gold nanoparticles as contrast agents for computed tomography and photoacoustic imaging. Biomaterials, 2016, 102, 87-97.	5.7	189
4	Poly[bis(2,2,2-trifluoroethoxy)phosphazene] Superhydrophobic Nanofibers. Langmuir, 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. Macromolecules, 1994, 27, 1071-1075.	2.2	175
7	Use of polyphosphazenes for skeletal tissue regeneration. Journal of Biomedical Materials Research Part B, 1993, 27, 963-973.	3.0	167
8	Effect of Side Group Chemistry on the Properties of Biodegradablel-Alanine Cosubstituted Polyphosphazenes. Biomacromolecules, 2006, 7, 914-918.	2.6	149
9	An ionically crosslinkable polyphosphazene: poly[bis(carboxylatophenoxy)phosphazene] and its hydrogels and membranes. Macromolecules, 1989, 22, 75-79.	2.2	148
10	Ionically crosslinkable polyphosphazene: a novel polymer for microencapsulation. Journal of the American Chemical Society, 1990, 112, 7832-7833.	6.6	142
11	The Ammonium Chloride Route to Anhydrous Rare Earth Chlorides-The Example of Ycl3. Inorganic Syntheses, 2007, , 146-150.	0.3	139
12	Bioerodible polyphosphazenes and their medical potential. Polymer Chemistry, 2012, 3, 578-590.	1.9	136
13	Biomimetic Structures: Biological Implications of Dipeptideâ€Substituted Polyphosphazeneâ€"Polyester Blend Nanofiber Matrices for Loadâ€Bearing Bone Regeneration. Advanced Functional Materials, 2011, 21, 2641-2651.	7.8	129
14	Polyphosphazene Block Copolymers via the Controlled Cationic, Ambient Temperature Polymerization of Phosphoranimines. Macromolecules, 1997, 30, 2213-2215.	2.2	124
15	Polyphosphazene polymers for tissue engineering: an analysis of material synthesis, characterization and applications. Soft Matter, 2010, 6, 3119.	1.2	123
16	Ambient-Temperature Direct Synthesis of Poly(organophosphazenes) via the â€œLivingâ€•Cationic Polymerization of Organo-Substituted Phosphoranimines. Macromolecules, 1997, 30, 50-56.	2.2	120
17	Poly(organophosphazenes)â€"Unusual New High Polymers. Angewandte Chemie International Edition in English, 1977, 16, 147-156.	4.4	116
18	Polyphosphazenes Bearing Branched and Linear Oligoethyleneoxy Side Groups as Solid Solvents for Ionic Conduction. Macromolecules, 1996, 29, 7544-7552.	2.2	116

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

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

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55	Telechelic Syntheses of the First Phosphazene Siloxane Block Copolymers. Macromolecules, 1999, 32, 6390-6392.	2.2	60
56	Investigation of Apatite Mineralization on Antioxidant Polyphosphazenes for Bone Tissue Engineering. Chemistry of Materials, 2012, 24, 3500-3509.	3.2	59
57	Polyphosphazenes. Journal of Inorganic and Organometallic Polymers, 1992, 2, 197-211.	1.5	58
58	Organic Polymers with Cyclophosphazene Side Groups:â€‰ Influence of the Phosphazene on Physical Properties and Thermolysis. Macromolecules, 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. Biomedical Materials (Bristol), 2012, 7, 045016.	1.7	57
60	Engineered stem cell niche matrices for rotator cuff tendon regenerative engineering. PLoS ONE, 2017, 12, e0174789.	1.1	57
61	Ring-opening polymerization of metallocene cyclophosphazene derivatives. Macromolecules, 1985, 18, 1340-1345.	2.2	56
62	Polyphosphazeneâˆ’Polystyrene Copolymers:Â Block and Graft Copolymers from Polyphosphazene and Polystyrene Macromonomers. Macromolecules, 2000, 33, 5763-5765.	2.2	56
63	In situ Porous Structures: A Unique Polymer Erosion Mechanism in Biodegradable Dipeptideâ€Based Polyphosphazene and Polyester Blends Producing Matrices for Regenerative Engineering. Advanced Functional Materials, 2010, 20, 2794-2806.	7.8	55
64	Glyceryl polyphosphazenes: synthesis, properties, and hydrolysis. Macromolecules, 1988, 21, 1980-1985.	2.2	54
65	Ionic Conduction in Polyphosphazene Solids and Gels:Â13C,31P, and15N NMR Spectroscopy and Molecular Dynamics Simulations. Macromolecules, 1999, 32, 732-741.	2.2	54
66	Synthesis of polyphosphazenes bearing covalently linked copper phthalocyanine units. Macromolecules, 1986, 19, 1495-1501.	2.2	53
67	Cation Complexation and Conductivity in Crown Ether Bearing Polyphosphazenes. Macromolecules, 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. Biomaterials, 2009, 30, 3035-3041.	5.7	53
69	Phosphorylation of phosphazenes and its effects on thermal properties and fire retardant behavior. Polymer Engineering and Science, 2000, 40, 1177-1189.	1.5	52
70	Biodegradable Polyphosphazene-Based Blends for Regenerative Engineering. Regenerative Engineering and Translational Medicine, 2017, 3, 15-31.	1.6	52
71	The synthesis of functional polyphosphazenes and their surfaces. Applied Organometallic Chemistry, 1998, 12, 659-666.	1.7	51
72	(2-Diphenylphosphino)Benzenamine. Inorganic Syntheses, 2007, , 129-133.	0.3	51

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73	Design and Optimization of Polyphosphazene Functionalized Fiber Matrices for Soft Tissue Regeneration. Journal of Biomedical Nanotechnology, 2012, 8, 107-124.	0.5	51
74	Preparation of quaternized organicâ€“inorganic hybrid brush polyphosphazene-co-poly[2-(dimethylamino)ethyl methacrylate] electrospun fibers and their antibacterial properties. Polymer Chemistry, 2012, 3, 2082.	1.9	51
75	Syntheses and structures of cyclic and short-chain linear phosphazenes bearing 4-phenylphenoxy side groups. Journal of the American Chemical Society, 1991, 113, 2628-2634.	6.6	50
76	Strain-induced ring-opening polymerization of ferrocenylorganocyclotriphosphazenes: a new synthetic route to poly(organophosphazenes). Journal of the American Chemical Society, 1991, 113, 9596-9603.	6.6	50
77	Synthesis of Cyclolinear Phosphazene-Containing Polymers via ADMET Polymerization. Macromolecules, 2001, 34, 5140-5146.	2.2	50
78	Polyurethane/poly[bis(carboxylatophenoxy)phosphazene] blends and their potential as flame-retardant materials. Polymer Engineering and Science, 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. Solid State Ionics, 2010, 181, 1721-1726.	1.3	49
80	Polynorbornenes Bearing Pendent Cyclotriphosphazenes with Oligoethyleneoxy Side Groups:Â Behavior as Solid Polymer Electrolytes. Macromolecules, 2001, 34, 787-794.	2.2	48
81	Polyphosphazenes Containing Vitamin Substituents: Synthesis, Characterization, and Hydrolytic Sensitivity. Macromolecules, 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). Journal of the American Chemical Society, 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. Organometallics, 1986, 5, 460-466.	1.1	46
84	Electronic properties and redox conduction of ferrocene-substituted high polymeric phosphazenes. Journal of the American Chemical Society, 1988, 110, 7254-7255.	6.6	46
85	Biomimetic, bioactive etheric polyphosphazeneâ€poly(lactideâ€<i>co</i>â€glycolide) blends for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2010, 92A, 114-125.	2.1	46
86	Phosphazene High Polymers and Models with Cyclic Aliphatic Side Groups: New Structureâ€“Property Relationships. Macromolecules, 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. Macromolecules, 2000, 33, 3999-4007.	2.2	45
88	Synthesis of Liquid Crystalline Phosphazenes Containing Chiral Mesogens. Macromolecules, 1995, 28, 4351-4360.	2.2	44
89	Synthesis of Adamantyl Polyphosphazeneâˆ’Polystyrene Block Copolymers, and Î²-Cyclodextrin-Adamantyl Side Group Complexation. Macromolecules, 2009, 42, 4484-4490.	2.2	44
90	Poly(thiophosphazenes): new inorganic backbone polymers. Macromolecules, 1993, 26, 11-16.	2.2	43

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91	Hydrolytic degradation of ionically cross-linked polyphosphazene microspheres. Journal of Applied Polymer Science, 1994, 53, 1573-1578.	1.3	43
92	Tyrosine-Bearing Polyphosphazenes. Biomacromolecules, 2003, 4, 1646-1653.	2.6	43
93	Biodegradable alanine and phenylalanine alkyl ester polyphosphazenes as potential ligament and tendon tissue scaffolds. Polymer Chemistry, 2013, 4, 600-606.	1.9	43
94	Biodegradable polyphosphazenes containing antibiotics: synthesis, characterization, and hydrolytic release behavior. Polymer Chemistry, 2013, 4, 1826.	1.9	43
95	Novel Highly Fluorinated Perfluorocyclobutane-Based Phosphazene Polymers for Photonic Applications. Chemistry of Materials, 2007, 19, 6338-6344.	3.2	42
96	Cobalt-mediated phosphorus-aryl bond cleavage during hydroformylation. Organometallics, 1984, 3, 649-650.	1.1	41
97	Synthesis and Characterization of Hindered Polyphosphazenes via Functionalized Intermediates: Exploratory Models for Electro-optical Materials. Macromolecules, 1998, 31, 5206-5214.	2.2	41
98	Synthesis of Telechelic Polyphosphazenes via the Ambient Temperature Living Cationic Polymerization of Amino Phosphoranimines. Macromolecules, 1999, 32, 5736-5743.	2.2	41
99	Design and examination of an antioxidant-containing polyphosphazene scaffold for tissue engineering. Polymer Chemistry, 2012, 3, 778.	1.9	41
100	Phosphorus-nitrogen ring systems and high polymers. Iron- and ruthenium-linked phosphazenes. Journal of the American Chemical Society, 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. Journal of Physical Chemistry C, 2010, 114, 15234-15242.	1.5	40
102	Generation of structural diversity in polyphosphazenes. Applied Organometallic Chemistry, 2013, 27, 620-629.	1.7	40
103	Nanodisco Balls: Control over Surface <i>versus</i> Core Loading of Diagnostically Active Nanocrystals into Polymer Nanoparticles. ACS Nano, 2014, 8, 9143-9153.	7.3	40
104	Generational biodegradable and regenerative polyphosphazene polymers and their blends with poly (lactic-co-glycolic acid). Progress in Polymer Science, 2019, 98, 101146.	11.8	40
105	Inclusion Adduct Formation between Tris(o-phenylenedioxy)cyclotriphosphazene and Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over	2.2	39
106	Ring-Opening Metathesis Polymerization of Phosphazene-Functionalized Norbornenes. Macromolecules, 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 2912-2920.	2.5	38
108	Polyphosphazenes That Contain Dipeptide Side Groups: Synthesis, Characterization, and Sensitivity to Hydrolysis. Macromolecules, 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 â€œHostâ€"Guestâ€•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:Â Structureâ^'Property Relationships and Polymer Electrolyte Behavior. Macromolecules, 2007, 40, 322-328.	2.2	36
118	Polyphosphazenes Functionalized with Sulfone or Sulfoxide Groups:Â 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:â€‰ The Essential Role of Associated Ionic Species. Macromolecules, 2004, 37, 8699-8702.	2.2	34
121	Lithium-Ion Conductive Polymers as Prospective Membranes for Lithiumâ^'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. Macromolecules, 2008, 41, 1126-1130.	2.2	32
128	UV-cleavable unimolecular micelles: synthesis and characterization toward photocontrolled drug release carriers. Polymer Chemistry, 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. Macromolecules, 1997, 30, 3191-3196.	2.2	31
130	Poly(methyl methacrylate)-graft-poly- [bis(trifluoroethoxy)phosphazene] Copolymers:Â Synthesis, Characterization, and Effects of Polyphosphazene Incorporation. Macromolecules, 2004, 37, 5824-5829.	2.2	31
131	Polyphosphazenes: Phosphorus in Inorganicâ€"Organic Polymers. Journal of Organic Chemistry, 2020, 85, 14286-14297.	1.7	31
132	Metallocenylphosphazene ring systems and high polymers. Reactions of ferrocenyl- and ruthenocenylphosphazenes with lithiometallocenes and the x-ray structures of N3P3F4(.eta.-C5H4)2Fe, [N3P3F3{(.eta.-C5H4)2Fe}{(.eta.-C5H4)Fe(.eta.-C5H5)}], 1,5-N4P4F6(.eta.-C5H4)2Fe, and 1,5,3,7-N4P4F4[(.eta.-C5H4)2Ru]2. Organometallics, 1986, 5, 1626-1635.	1.1	30
133	Functionalized Polyphosphazenes:Â Polymers with Pendent Tertiary Trialkylamino Groups. Macromolecules, 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. Macromolecules, 2012, 45, 2502-2508.	2.2	30
135	Synthesis and Characterization of Trifluoroethoxy Polyphosphazenes Containing Polyhedral Oligomeric Silsesquioxane (POSS) Side Groups. Macromolecules, 2016, 49, 1313-1320.	2.2	30
136	Ring-opening polymerization of methylsilane- and methylsiloxane-substituted cyclotriphosphazenes. Macromolecules, 1988, 21, 1-10.	2.2	29
137	The Biocompatibility of Biodegradable Glycine Containing Polyphosphazenes: A Comparative study in Bone. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 16, 387-396.	1.9	29
138	Toward an Iron(II) Spin-Crossover Grafted Phosphazene Polymer. Inorganic Chemistry, 2012, 51, 8307-8316.	1.9	29
139	Dicobalt-hexacarbonyl complexes of acetylenic phosphazenes. Organometallics, 1984, 3, 432-440.	1.1	28
140	In Vitro Release of Colchicine Using Poly(phosphazenes): The Development of Delivery Systems for Musculoskeletal Use. Pharmaceutical Development and Technology, 1998, 3, 55-62.	1.1	28
141	Hydrolysable polylactideâ€"polyphosphazene block copolymers for biomedical applications: synthesis, characterization, and composites with poly(lactic-co-glycolic acid). Polymer Chemistry, 2010, 1, 1459.	1.9	28
142	Elastomeric Polyphosphazenes with Phenoxyâ€"Cyclotriphosphazene Side Groups. Macromolecules, 2015, 48, 7543-7549.	2.2	28
143	A new textured polyphosphazene biomaterial with improved blood coagulation and microbial infection responses. Acta Biomaterialia, 2018, 67, 87-98.	4.1	28
144	Polyphosphazene polymers: The next generation of biomaterials for regenerative engineering and therapeutic drug delivery. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 030801.	0.6	28

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145	Chromium, molybdenum, and tungsten chlorophosphazenes: molecular structures of N3P3Cl5[Cr(CO)3(.eta.-C5H5)] and N3P3Cl4(C5H5)[Mo(CO)3(.eta.-C5H5)]. Journal of the American Chemical Society, 1984, 106, 5561-5567.	6.6	27
146	Synthesis of strained ferrocenylorganocyclophosphazenes: x-ray crystal structures of N3P3(OCH2CF3)4(.eta.-C5H4)2Fe, N3P3(OPh)4(.eta.-C5H4)2Fe, and N3P3Ph2(OCH2CF3)2(.eta.-C5H4)2Fe. Organometallics, 1991, 10, 3098-3104.	1.1	27
147	Photoinitiated Graft Poly(organophosphazenes): Functionalized Immobilization Substrates for the Binding of Amines, Proteins, and Metals. Chemistry of Materials, 1994, 6, 516-524.	3.2	27
148	Telechelic Polyphosphazenes:Â Reaction of Living Poly(dichlorophosphazene) Chains with Alkoxy and Aryloxy Phosphoranimines. Macromolecules, 2004, 37, 3635-3641.	2.2	27
149	Porous Structures: In situ Porous Structures: A Unique Polymer Erosion Mechanism in Biodegradable Dipeptide-Based Polyphosphazene and Polyester Blends Producing Matrices for Regenerative Engineering (Adv. Funct. Mater. 17/2010). Advanced Functional Materials, 2010, 20, n/a-n/a.	7.8	27
150	Synthesis, Morphology, and Ion Conduction of Polyphosphazene Ammonium Iodide Ionomers. Macromolecules, 2015, 48, 111-118.	2.2	27
151	Organosiloxyphosphazene polymers: synthesis via aminosiloxane reagents. Macromolecules, 1990, 23, 1626-1635.	2.2	26
152	Synthesis and Structure of Adamantane-Containing Phosphazenes. Inorganic Chemistry, 1996, 35, 6337-6338.	1.9	26
153	Side Group Exchange in Poly(organophosphazenes) with Fluoroalkoxy Substituents. Macromolecules, 2003, 36, 5566-5572.	2.2	26
154	Synthesis and Characterization of Novel Solid Polymer Electrolytes Based on Poly(7-oxanorbornenes) with Pendent Oligoethyleneoxy-Functionalized Cyclotriphosphazenes. Macromolecules, 2003, 36, 3563-3569.	2.2	26
155	Synthesis and Characterization of Methionine- and Cysteine-Substituted Phosphazenes. Macromolecules, 2010, 43, 5205-5210.	2.2	26
156	Spectroscopic Studies of Phosphazene Polymers Containing Photoluminescent Metal Complexes. European Journal of Inorganic Chemistry, 2011, 2011, n/a-n/a.	1.0	26
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