

The dendritic effect illustrated with phosphorus dendri

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Citation Report

#	ARTICLE	IF	CITATIONS
1	(+)-Cinchonine-Decorated Dendrimers as Recoverable Organocatalysts. <i>ChemCatChem</i> , 2015, 7, 2698-2704.	1.8	9
2	Dendritic Chiral Salen Titanium(IV) Catalysts Enforce the Cooperative Catalysis of Asymmetric Sulfoxidation. <i>ChemCatChem</i> , 2015, 7, 4066-4075.	1.8	23
3	Efficient synthesis of water-soluble, phosphonate-terminated polyester dendrimers. <i>Tetrahedron Letters</i> , 2015, 56, 7161-7164.	0.7	3
4	Phosphorus dendrimers as supports of transition metal catalysts. <i>Inorganica Chimica Acta</i> , 2015, 431, 3-20.	1.2	16
5	Synthesis of Onion-Peel Nanodendritic Structures with Sequential Functional Phosphorus Diversity. <i>Chemistry - A European Journal</i> , 2015, 21, 6400-6408.	1.7	35
6	Organophosphonate bridged anatase mesocrystals: low temperature crystallization, thermal growth and hydrogen photo-evolution. <i>Dalton Transactions</i> , 2015, 44, 15544-15556.	1.6	20
7	Synthesis of dendrimer-supported ferrocenylmethyl aziridino alcohol ligands and their application in asymmetric catalysis. <i>Green Chemistry</i> , 2015, 17, 2924-2930.	4.6	13
8	Main chain dendronized hyperbranched polymers: convenient synthesis and good second-order nonlinear optical performance. <i>Polymer Chemistry</i> , 2015, 6, 4396-4403.	1.9	17
9	Emerging trends in enzyme inhibition by multivalent nanoconstructs. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9894-9906.	1.5	81
10	Multifaceted glycodendrimers with programmable bioactivity through convergent, divergent, and accelerated approaches using polyfunctional cyclotriphosphazenes. <i>Polymer Chemistry</i> , 2015, 6, 7666-7683.	1.9	30
11	Synthesis of Dense and Chiral Dendritic Polyols Using Glyconanosynthon Scaffolds. <i>Molecules</i> , 2016, 21, 448.	1.7	9
12	Silica Functionalized by Bifunctional Dendrimers: Hybrid Nanomaterials for Trapping CO ₂ . <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3103-3110.	1.0	17
13	Brief Timelapse on Dendrimer Chemistry: Advances, Limitations, and Expectations. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 149-174.	1.1	43
14	Recoverable Dendritic Phase-Transfer Catalysts that Contain (+)-Cinchonine-Derived Ammonium Salts. <i>ChemCatChem</i> , 2016, 8, 2049-2056.	1.8	12
15	Positive Dendritic Effect on Maleimide Surface Modification of Core-Shell (Fe ₃ O ₄ /Polymer) Nanoparticles for Bio-Immobilization. <i>ChemistrySelect</i> , 2016, 1, 4350-4356.	0.7	5
16	Metal Chelate Monomers as Precursors of Polymeric Materials. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 1112-1173.	1.9	26
17	Orthogonal Synthesis of Covalent Polydendrimer Frameworks by Fusing Classical and Onion-Peel Phosphorus-Based Dendritic Units. <i>Macromolecules</i> , 2016, 49, 5796-5805.	2.2	14
18	Synthesis of Dendrimers with a Bidentate Phosphine Core Ligand Having Carboxy Groups at the Peripheral Layer and Their Application to Aqueous Media Cross-Coupling Reactions. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1067-1072.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Designing P-Chirogenic 1,2-Diphosphinobenzenes at Both P-Centers Using P(III)-Phosphinites. <i>Organic Letters</i> , 2016, 18, 2930-2933.	2.4	25
20	Affinity-controlled protein encapsulation into sub-30Ånm telodendrimer nanocarriers by multivalent and synergistic interactions. <i>Biomaterials</i> , 2016, 101, 258-271.	5.7	32
21	Stimuli-responsive dendrimers in drug delivery. <i>Biomaterials Science</i> , 2016, 4, 375-390.	2.6	168
22	Suzuki-Miyaura reaction catalyzed by a dendritic phosphine-palladium complex. <i>Tetrahedron</i> , 2016, 72, 1485-1492.	1.0	6
23	Inorganic dendrimers: recent advances for catalysis, nanomaterials, and nanomedicine. <i>Chemical Society Reviews</i> , 2016, 45, 5174-5186.	18.7	70
24	Structure and binding thermodynamics of viologen-phosphorous dendrimers to human serum albumin: A combined computational/experimental investigation. <i>Fluid Phase Equilibria</i> , 2016, 422, 18-31.	1.4	7
25	Synthesis and characterization of dendritic structures incorporating phosphorus, sulfur, and silicon. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 411-416.	0.8	1
26	Cu ^{II} bis(oxamato) end-grafted poly(amidoamine) dendrimers. <i>Dalton Transactions</i> , 2016, 45, 7960-7979.	1.6	10
27	The specific functionalization of cyclotriphosphazene for the synthesis of smart dendrimers. <i>Dalton Transactions</i> , 2016, 45, 1810-1822.	1.6	82
28	Coordination chemistry with phosphorus dendrimers. Applications as catalysts, for materials, and in biology. <i>Coordination Chemistry Reviews</i> , 2016, 308, 478-497.	9.5	85
29	Symmetrical and unsymmetrical incorporation of active biological monomers on the surface of phosphorus dendrimers. <i>Tetrahedron</i> , 2017, 73, 1331-1341.	1.0	7
30	Branched Macromolecular Architectures for Degradable, Multifunctional Phosphorus-Based Polymers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600644.	2.0	36
31	Catalysis Within Dendrimers. <i>Fundamental and Applied Catalysis</i> , 2017, , 173-207.	0.9	2
32	Effective Access to Multivalent Inhibitors of Carbonic Anhydrases Promoted by Peptide Bioconjugation. <i>Chemistry - A European Journal</i> , 2017, 23, 6788-6794.	1.7	21
33	Construction of giant glycosidase inhibitors from iminosugar-substituted fullerene macromonomers. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6546-6556.	2.9	26
34	Nanochemistry in Drug Design. , 2017, , 311-334.		1
35	The Pivotal Role of Catalysis in France: Selected Examples of Recent Advances and Future Prospects.. <i>ChemCatChem</i> , 2017, 9, 2029-2064.	1.8	2
36	Rapid Synthesis of Functionalized High-Generation Polyester Dendrimers via Strain-Promoted Alkyne-Azide Cycloaddition. <i>Macromolecules</i> , 2017, 50, 7993-8001.	2.2	21

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37	Phosphorus dendrimers for nanomedicine. <i>Chemical Communications</i> , 2017, 53, 9830-9838.	2.2	63
38	Synthetic methodologies and spatial organization of metal chelate dendrimers and star and hyperbranched polymers. <i>Dalton Transactions</i> , 2017, 46, 10139-10176.	1.6	12
39	Second-Order Nonlinear Optical Dendrimers and Dendronized Hyperbranched Polymers. <i>Chemical Record</i> , 2017, 17, 71-89.	2.9	42
40	Chemistry of hybrid multifunctional and multibranching composites. , 2017, , 31-63.		2
41	Multifunctional Nanomaterials: Design, Synthesis and Application Properties. <i>Molecules</i> , 2017, 22, 243.	1.7	10
42	Design and Synthesis of Dendrimers with Facile Surface Group Functionalization, and an Evaluation of Their Bactericidal Efficacy. <i>Molecules</i> , 2017, 22, 868.	1.7	19
43	Dendrimer Sensors. , 2017, , 237-259.		1
44	Synthesis and study of the vibrational spectra of a first generation phosphorus-containing dendrimer with pyridyl functional groups. <i>Journal of Molecular Structure</i> , 2018, 1162, 1-9.	1.8	3
45	Combinatorial approaches in post-polymerization modification for rational development of therapeutic delivery systems. <i>Acta Biomaterialia</i> , 2018, 73, 21-37.	4.1	31
46	Dendrimer-based nanoparticles in cancer chemotherapy and gene therapy. <i>Science China Materials</i> , 2018, 61, 1404-1419.	3.5	21
47	Synthesis of dissymmetric phosphorus dendrimers using an unusual protecting group. <i>New Journal of Chemistry</i> , 2018, 42, 8985-8991.	1.4	4
48	Polymer Complexes Based on Metal Chelate Monomers. <i>Springer Series in Materials Science</i> , 2018, , 367-501.	0.4	0
49	Supramolecular Chemistry of Polymer Metal Chelates. <i>Springer Series in Materials Science</i> , 2018, , 761-897.	0.4	0
50	Polymer Chelating Ligands: Classification, Synthesis, Structure, and Chemical Transformations. <i>Springer Series in Materials Science</i> , 2018, , 13-197.	0.4	3
51	Metal Chelate Dendrimers. <i>Springer Series in Materials Science</i> , 2018, , 503-631.	0.4	1
52	Emerging Opportunities in the Biomedical Applications of Dendrimers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 369-382.	1.9	24
53	Chiral catalysts immobilized on achiral polymers: effect of the polymer support on the performance of the catalyst. <i>Chemical Society Reviews</i> , 2018, 47, 2722-2771.	18.7	120
54	Dual properties of water-soluble Ru-PTA complexes of dendrimers: Catalysis and interaction with DNA. <i>Inorganica Chimica Acta</i> , 2018, 470, 106-112.	1.2	20

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55	Synthetic Methodologies for Chelating Polymer Ligands: Recent Advances and Future Development. <i>ChemistrySelect</i> , 2018, 3, 13234-13270.	0.7	13
56	Dendrimers Show Promise for siRNA and microRNA Therapeutics. <i>Pharmaceutics</i> , 2018, 10, 126.	2.0	77
57	Negative dendritic effect on enzymatic hydrolysis of dendrimer conjugates. <i>Chemical Communications</i> , 2018, 54, 5956-5959.	2.2	14
58	Effect of Dendrimer Generation and Aglyconic Linkers on the Binding Properties of Mannosylated Dendrimers Prepared by a Combined Convergent and Onion Peel Approach. <i>Molecules</i> , 2018, 23, 1890.	1.7	18
59	Synthesis and characterization of novel dendritic macroporous monoliths. <i>European Polymer Journal</i> , 2018, 106, 102-111.	2.6	2
60	Phosphorus Dendrimer Derived Solid Sorbents for CO ₂ Capture from Post-Combustion Gas Streams. <i>Energy & Fuels</i> , 2018, 32, 8658-8667.	2.5	12
61	Phosphorous dendrimer bound polyethyleneimine as solid sorbents for post-combustion CO ₂ capture. <i>Chemical Engineering Journal</i> , 2018, 350, 1056-1065.	6.6	20
62	PAMAM-Based Dendrimers with Different Alkyl Chains Self-Assemble on Silica Surfaces: Controllable Layer Structure and Molecular Aggregation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6648-6655.	1.2	5
63	Interfacial complexation driven three-dimensional assembly of cationic phosphorus dendrimers and graphene oxide sheets. <i>Nanoscale Advances</i> , 2019, 1, 314-321.	2.2	12
64	Fluorescent Phosphorus Dendrimers: Towards Material and Biological Applications. <i>ChemPlusChem</i> , 2019, 84, 1070-1080.	1.3	23
65	Fluorescent phosphorus dendrimers excited by two photons: synthesis, two-photon absorption properties and biological uses. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2287-2303.	1.3	9
66	Hydrogels composed of hyaluronic acid and dendritic ELPs: hierarchical structure and physical properties. <i>Soft Matter</i> , 2019, 15, 917-925.	1.2	23
68	An Effective and Reusable Hyperbranched Polymer Immobilized Rhodium Catalyst for the Hydroformylation of Olefins. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1496-1504.	2.0	23
69	Poly(amidoamine) dendrimers: covalent and supramolecular synthesis. <i>Materials Today Chemistry</i> , 2019, 13, 34-48.	1.7	95
70	Syntheses and applications of dendronized polymers. <i>Progress in Polymer Science</i> , 2019, 96, 43-105.	11.8	55
71	Phosphorus dendrimers functionalised with nitrogen ligands, for catalysis and biology. <i>Dalton Transactions</i> , 2019, 48, 7483-7493.	1.6	9
73	Dendrimeric L ¹ ,L ² -dipeptidic conjugates as organocatalysts in the asymmetric Michael addition reaction of isobutyraldehyde to N-phenylmaleimides. <i>Monatshefte für Chemie</i> , 2019, 150, 777-788.	0.9	6
74	Efficient "Click" Dendrimer-Supported Synergistic Bimetallic Nanocatalysis for Hydrogen Evolution by Sodium Borohydride Hydrolysis. <i>ChemCatChem</i> , 2019, 11, 2341-2349.	1.8	26

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75	Homogeneous catalysis with phosphorus dendrimer complexes. <i>Coordination Chemistry Reviews</i> , 2019, 389, 59-72.	9.5	27
76	Phosphorhydrazones as Useful Building Blocks for Special Architectures: Macrocycles and Dendrimers. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1457-1475.	1.0	11
77	Synthesis and anticancer activity of cyclotriphosphazenes functionalized with 4-methyl-7-hydroxycoumarin. <i>New Journal of Chemistry</i> , 2019, 43, 18316-18321.	1.4	15
78	Dendritic Effects of Injectable Biodegradable Thermogels on Pharmacotherapy of Inflammatory Glaucoma—Associated Degradation of Extracellular Matrix. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900702.	3.9	32
79	Stimuli-Responsive Phosphorus-Based Polymers. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1445-1456.	1.0	21
80	Morphologies and functionalities of polymeric nanocarriers as chemical tools for drug delivery: A review. <i>Journal of King Saud University - Science</i> , 2019, 31, 398-411.	1.6	85
81	PAMAM dendrimer-based macromolecules and their potential applications: recent advances in theoretical studies. <i>Polymer Bulletin</i> , 2020, 77, 6671-6691.	1.7	14
82	The role of terminal groups in dendrimer systems for the treatment of organic contaminants in aqueous environments. <i>Journal of Cleaner Production</i> , 2020, 250, 119494.	4.6	12
83	Telodendrimers: Promising Architectural Polymers for Drug Delivery. <i>Molecules</i> , 2020, 25, 3995.	1.7	8
84	Optimization of the geometry and calculation of the normal vibrations of the dendrimer with amine terminal groups. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 890, 012084.	0.3	0
85	Integrated POSS-dendrimer nanohybrid materials: current status and future perspective. <i>Nanoscale</i> , 2020, 12, 11395-11415.	2.8	55
86	Spectroscopic, electrochemical and calorimetric studies on the interactions of poly(propyleneimine) G4 dendrimer with 5-fluorouracil in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 313, 113534.	2.3	2
87	Redefining the chemistry of super-macroporous materials: when dendritic molecules meet polymer cryogels. <i>Polymer Chemistry</i> , 2020, 11, 4507-4519.	1.9	2
88	Phosphorus Science-Oriented Design and Synthesis of Multifunctional Nanomaterials for Biomedical Applications. <i>Matter</i> , 2020, 2, 297-322.	5.0	165
89	Dendrimer assisted dye-removal: A critical review of adsorption and catalytic degradation for wastewater treatment. <i>Journal of Molecular Liquids</i> , 2020, 315, 113775.	2.3	86
90	Synthesis and Reactivity of Poly(propyleneimine) Dendrimers Functionalized with Cyclopentadienone N-Heterocyclic-Carbene Ruthenium(0) Complexes. <i>Catalysts</i> , 2020, 10, 264.	1.6	9
91	Redox-Switchable Transfer Hydrogenations with Chiral Dendritic Ferrocenyl Phosphine Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1654-1669.	1.0	12
92	Ferrocenyl Phosphorhydrazone Dendrimers Synthesis, and Electrochemical and Catalytic Properties. <i>Molecules</i> , 2020, 25, 447.	1.7	7

#	ARTICLE	IF	CITATIONS
93	Main-Chain Phosphorus-Containing Polymers for Therapeutic Applications. <i>Molecules</i> , 2020, 25, 1716.	1.7	51
94	Nanomedicines for the delivery of glucocorticoids and nucleic acids as potential alternatives in the treatment of rheumatoid arthritis. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1630.	3.3	17
95	Dendritic effect for immobilized pyridylphenylene dendrons in hosting catalytic Pd species: Positive or negative?. <i>Reactive and Functional Polymers</i> , 2020, 151, 104582.	2.0	5
96	Optimized synthesis of selected 4-oxybenzaldehyde and 2,2-dioxybiphenyl cyclotriphosphazene derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 79-85.	0.8	2
97	Polyphosphorhydrazone-Based Radical Dendrimers. <i>Molecules</i> , 2021, 26, 1230.	1.7	4
98	Copper complexes of phosphorus dendrimers and their properties. <i>Inorganica Chimica Acta</i> , 2021, 517, 120212.	1.2	7
99	Grafting Dendrons onto Pillar[5]Arene Scaffolds. <i>Molecules</i> , 2021, 26, 2358.	1.7	3
100	Palladium Goes First: A Neutral Asymmetric Heteroditopic N,P Ligand Forming Pd-3d Heterobimetallic Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 8722-8733.	1.9	9
101	Nanomedicine-based delivery strategies for nucleic acid gene inhibitors in inflammatory diseases. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113809.	6.6	30
102	Controlled Anchoring of (Phenylureido)sulfonamide-Based Receptor Moieties: An Impact of Binding Site Multiplication on Complexation Properties. <i>Molecules</i> , 2021, 26, 5670.	1.7	3
103	The Role of Noncovalent Interactions in the Efficiency of Dendrimers in Catalysis. <i>RSC Catalysis Series</i> , 2019, , 153-167.	0.1	1
104	Functionalised Dendrimers: Potential Tool for Antiretroviral Therapy. <i>Current Nanoscience</i> , 2020, 16, 708-722.	0.7	4
105	Heterogeneous Dendrimer-Based Catalysts. <i>Polymers</i> , 2022, 14, 981.	2.0	10
106	Ionic Self-Assembly of Dendrimers. , 2022, , 85-118.		3
107	Fluorescent materials based on phosphazene derivatives and their applications: Sensors and optoelectronic devices. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022, 53, 100553.	5.6	14
108	Aza-Michael promoted glycoconjugation of PETIM dendrimers and selectivity in mycobacterial growth inhibitions. <i>RSC Advances</i> , 2023, 13, 4669-4677.	1.7	3
109	Expanding Chitosan Reticular Chemistry Using Multifunctional and Thermally Stable Phosphorus-Containing Dendrimers. <i>Macromolecules</i> , 2023, 56, 1223-1235.	2.2	3
110	Dendrimers and dendrimer-based nano-objects for oncology applications. , 2023, , 41-78.		0

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111	Dendrimer-Mediated Delivery of DNA and RNA Vaccines. <i>Pharmaceutics</i> , 2023, 15, 1106.	2.0	7