Cedric-olivier Turrin

List of Publications by Year
in descending order

89 papers	4,286 citations	101496 36 h-index	114418 63 g-index
110 all docs	110 docs citations	110 times ranked	3401 citing authors

#	Article	IF	Citations
1	Dendrimers for drug delivery. Journal of Materials Chemistry B, 2014, 2, 4055-4066.	2.9	215
2	A Phosphorus-Based Dendrimer Targets Inflammation and Osteoclastogenesis in Experimental Arthritis. Science Translational Medicine, 2011, 3, 81ra35.	5.8	207
3	Dendrimers and nanomedicine: multivalency in action. New Journal of Chemistry, 2009, 33, 1809.	1.4	176
4	Designing dendrimers for ocular drug delivery. European Journal of Medicinal Chemistry, 2010, 45, 326-334.	2.6	149
5	Multiplication of Human Natural Killer Cells by Nanosized Phosphonate-Capped Dendrimers. Angewandte Chemie - International Edition, 2007, 46, 2523-2526.	7.2	138
6	The key role of the scaffold on the efficiency of dendrimer nanodrugs. Nature Communications, 2015, 6, 7722.	5.8	133
7	Design of phosphorylated dendritic architectures to promote human monocyte activation. FASEB Journal, 2006, 20, 2339-2351.	0.2	132
8	Dendrimers and DNA: Combinations of Two Special Topologies for Nanomaterials and Biology. Chemistry - A European Journal, 2008, 14, 7422-7432.	1.7	125
9	The dendritic effect illustrated with phosphorus dendrimers. Chemical Society Reviews, 2015, 44, 3890-3899.	18.7	118
10	Mannodendrimers prevent acute lung inflammation by inhibiting neutrophil recruitment. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8795-8800.	3.3	112
11	New Mesotextured Hybrid Materials Made from Assemblies of Dendrimers and Titanium(IV)-Oxo-Organo Clusters. Angewandte Chemie - International Edition, 2000, 39, 4249-4254.	7.2	110
12	Tailored Control and Optimisation of the Number of Phosphonic Acid Termini on Phosphorusâ€Containing Dendrimers for the Exâ€Vivo Activation of Human Monocytes. Chemistry - A European Journal, 2008, 14, 4836-4850.	1.7	102
13	MALDI TOF Mass Spectrometry for the Characterization of Phosphorus-Containing Dendrimers. Scope and Limitations. Analytical Chemistry, 2000, 72, 5097-5105.	3.2	92
14	Anti-inflammatory and immunosuppressive activation of human monocytes by a bioactive dendrimer. Journal of Leukocyte Biology, 2009, 85, 553-562.	1.5	89
15	Biological properties of phosphorus dendrimers. New Journal of Chemistry, 2010, 34, 1512.	1.4	87
16	Coordination chemistry with phosphorus dendrimers. Applications as catalysts, for materials, and in biology. Coordination Chemistry Reviews, 2016, 308, 478-497.	9.5	85
17	Synthesis and Application of Phosphorus Dendrimer Immobilized Azabis(oxazolines). Organic Letters, 2007, 9, 2895-2898.	2.4	84
18	Chemistry within Megamolecules:Â Regiospecific Functionalization after Construction of Phosphorus Dendrimers. Journal of the American Chemical Society, 1998, 120, 13070-13082.	6.6	78

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19	Dendritic Catanionic Assemblies: In vitro Anti-HIV Activity of Phosphorus-Containing Dendrimers Bearing GalÎ²1cer Analogues. ChemBioChem, 2005, 6, 2207-2213.	1.3	77
20	Naked Au55 Clusters: Dramatic Effect of a Thiol-Terminated Dendrimer. Chemistry - A European Journal, 2000, 6, 1693-1697.	1.7	75
21	Phosphorus-Containing Dendrimers with Ferrocenyl Units at the Core, within the Branches, and on the Periphery. Macromolecules, 2000, 33, 7328-7336.	2.2	74
22	Ligand effects on the air stability of coppernanoparticles obtained from organometallic synthesis. Journal of Materials Chemistry, 2012, 22, 2279-2285.	6.7	73
23	New phosphorus dendrimers with chiral ferrocenyl phosphine-thioether ligands on the periphery for asymmetric catalysis. Journal of Organometallic Chemistry, 2007, 692, 1064-1073.	0.8	69
24	Regulatory activity of azabisphosphonate-capped dendrimers on human CD4+ T cell proliferation enhances ex-vivo expansion of NK cells from PBMCs for immunotherapy. Journal of Translational Medicine, 2009, 7, 82.	1.8	68
25	Synthesis and Properties of Dendrimers Possessing the Same Fluorophore(s) Located Either Peripherally or Off-Center. Journal of Organic Chemistry, 2007, 72, 8707-8715.	1.7	65
26	New chiral phosphorus-containing dendrimers with ferrocenes on the periphery. Tetrahedron, 2001, 57, 2521-2536.	1.0	62
27	Behavior of an Optically Active Ferrocene Chiral Shell Located within Phosphorus-Containing Dendrimers. Organometallics, 2002, 21, 1891-1897.	1.1	57
28	Fluorinated dendrimers. Current Opinion in Colloid and Interface Science, 2003, 8, 282-295.	3.4	57
29	Organicâ"Inorganic Hybrid Materials Incorporating Phosphorus-Containing Dendrimers. Chemistry of Materials, 2000, 12, 3848-3856.	3.2	54
30	Phosphorus-containing dendrimers bearing galactosylceramide analogs: Self-assembly propertiesElectronic supplementary information (ESI) available: experimental. See http://www.rsc.org/suppdata/cc/b2/b204287h/. Chemical Communications, 2002, , 1864-1865.	2.2	48
31	Phosphorus-Based Dendrimer ABP Treats Neuroinflammation by Promoting IL-10-Producing CD4⁺ T Cells. Biomacromolecules, 2015, 16, 3425-3433.	2.6	48
32	Surface, core, and structure modifications of phosphorus-containing dendrimers. Influence on the thermal stability. Tetrahedron, 2003, 59, 3965-3973.	1.0	45
33	Optical Properties of Hybrid Dendriticâ€"Mesoporous Titania Nanocomposite Films. Chemistry - A European Journal, 2008, 14, 7658-7669.	1.7	45
34	Poly(phosphorhydrazone) dendrimers: yin and yang of monocyte activation for human NK cell amplification applied to immunotherapy against multiple myeloma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2321-2330.	1.7	42
35	Phosphonate terminated PPH dendrimers: influence of pendant alkyl chains on the in vitro anti-HIV-1 properties. Organic and Biomolecular Chemistry, 2009, 7, 3491.	1.5	40
36	Multivalent catanionic GalCer analogs derived from first generation dendrimeric phosphonic acids. Bioorganic and Medicinal Chemistry, 2010, 18, 242-248.	1.4	38

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37	Dendrimers ended by non-symmetrical azadiphosphonate groups: Synthesis and immunological properties. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3963-3966.	1.0	37
38	Interaction studies reveal specific recognition of an anti-inflammatory polyphosphorhydrazone dendrimer by human monocytes. Nanoscale, 2015, 7, 17672-17684.	2.8	37
39	Efficient synthesis of phosphorus-containing dendrimers capped with isosteric functions of amino-bismethylene phosphonic acids. Tetrahedron Letters, 2009, 50, 2078-2082.	0.7	34
40	Repeated intravenous injections in non-human primates demonstrate preclinical safety of an anti-inflammatory phosphorus-based dendrimer. Nanotoxicology, 2015, 9, 433-441.	1.6	34
41	Phosphorus dendrimers as viewed by 31P NMR spectroscopy; synthesis and characterization. Comptes Rendus Chimie, 2010, 13, 1006-1027.	0.2	32
42	Deciphering Ligandsâ€™ Interaction with Cu and Cu₂O Nanocrystal Surfaces by NMR Solution Tools. Chemistry - A European Journal, 2015, 21, 1169-1178.	1.7	32
43	An Azabisphosphonate-Capped Poly(phosphorhydrazone) Dendrimer for the Treatment of Endotoxin-Induced Uveitis. Molecules, 2013, 18, 9305-9316.	1.7	30
44	Naked Au₅₅Clusters: Dramatic Effect of a Thiol-Terminated Dendrimer. Chemistry - A European Journal, 2000, 6, 1693-1697.	1.7	27
45	Synthesis of a Fluorescent Cationic Phosphorus Dendrimer and Preliminary Biological Studies of Its Interaction with DNA. Nucleosides, Nucleotides and Nucleic Acids, 2010, 29, 155-167.	0.4	27
46	Use of Functional Dendritic Macromolecules for the Design of Metal Oxo Based Hybrid Materials. Journal of Sol-Gel Science and Technology, 2003, 26, 629-633.	1.1	26
47	Phosphorus dendrimers: from synthesis to applications. Comptes Rendus Chimie, 2003, 6, 791-801.	0.2	26
48	Organometallic Derivatives at the Core of Phosphorus-Containing Dendrimers. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 2881-2887.	0.6	26
49	Modulation of pro-inflammatory activation of monocytes and dendritic cells by aza-bis-phosphonate dendrimer as an experimental therapeutic agent. Arthritis Research and Therapy, 2014, 16, R98.	1.6	24
50	Does Charge Carrier Dimensionality Increase in Mixed-Valence Salts of Tetrathiafulvalene-Terminated Dendrimers?. Organic Letters, 2004, 6, 2109-2112.	2.4	22
51	Synthesis and characterization of bifunctional dendrimers: preliminary use for the coating of gold surfaces and the proliferation of human osteoblasts (HOB). New Journal of Chemistry, 2015, 39, 7194-7205.	1.4	22
52	New phosphorus-containing dendrimers with ferrocenyl units in each layer. Comptes Rendus Chimie, 2002, 5, 309-318.	0.2	20
53	An efficient synthesis combining phosphorus dendrimers and 15-membered triolefinic azamacrocycles: towards the stabilization of platinum nanoparticles. New Journal of Chemistry, 2010, 34, 547.	1.4	20
54	Diversified Strategies for the Synthesis of Bifunctional Dendrimeric Structures. European Journal of Organic Chemistry, 2013, 2013, 5414-5422.	1.2	20

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55	PPH dendrimers grafted on silica nanoparticles: surface chemistry, characterization, silver colloids hosting and antibacterial activity. RSC Advances, 2013, 3, 19015.	1.7	19
56	Phosphorus dendritic architectures: polyanionic and polycationic derivatives. Polymer International, 2006, 55, 1155-1160.	1.6	18
57	Decorating step-by-step and independently the surface and the core of dendrons. Journal of Organometallic Chemistry, 2007, 692, 1928-1939.	0.8	18
58	Three-Dimensional Directionality Is a Pivotal Structural Feature for the Bioactivity of Azabisphosphonate-Capped Poly(PhosphorHydrazone) Nanodrug Dendrimers. Biomacromolecules, 2018, 19, 712-720.	2.6	18
59	Dendritic metal complexes for bioimaging. Recent advances. Coordination Chemistry Reviews, 2021, 430, 213739.	9.5	18
60	Synthetic Pathways Towards Phosphorus Dendrimers and Dendritic Architectures. Current Organic Chemistry, 2006, 10, 2333-2355.	0.9	17
61	Solventless synthesis of Ru(0) composites stabilized with polyphosphorhydrazone (PPH) dendrons and their use in catalysis. RSC Advances, 2016, 6, 64557-64567.	1.7	15
62	Synthesis and characterization of water-soluble ferrocene-dendrimers. Journal of Organometallic Chemistry, 2012, 718, 22-30.	0.8	14
63	Cyclotriphosphazene, an old compound applied to the synthesis of smart dendrimers with tailored properties. Pure and Applied Chemistry, 2016, 88, 919-929.	0.9	14
64	Preparation and cytotoxicity of lipid nanocarriers containing a hydrophobic flavanone. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 601, 124982.	2.3	14
65	Synthesis and Core and Surface Reactivity of Phosphorus-Based Dendrons. European Journal of Inorganic Chemistry, 2004, 2004, 2459-2466.	1.0	13
66	Theoretical and experimental characterization of aminoâ€PEGâ€phosphonateâ€terminated Polyphosphorhydrazone dendrimers: Influence of size and PEG capping on cytotoxicity profiles. Journal of Polymer Science Part A, 2015, 53, 761-774.	2.5	13
67	Biodistribution and Biosafety of a Poly(Phosphorhydrazone) Dendrimer, an Anti-Inflammatory Drug-Candidate. Biomolecules, 2019, 9, 475.	1.8	13
68	gemâ€Bisphosphonateâ€Ended Group Dendrimers: Design and Gadolinium Complexing Properties. European Journal of Organic Chemistry, 2009, 2009, 4290-4299.	1.2	12
69	An Anti-Inflammatory Poly(PhosphorHydrazone) Dendrimer Capped with AzaBisPhosphonate Groups to Treat Psoriasis. Biomolecules, 2020, 10, 949.	1.8	12
70	Influence of PPH dendrimers' surface functions on the activation of human monocytes: a study of their interactions with pure lipid model systems. Physical Chemistry Chemical Physics, 2016, 18, 21871-21880.	1.3	11
71	AB5 Derivatives of Cyclotriphosphazene for the Synthesis of Dendrons and Their Applications. Molecules, 2021, 26, 4017.	1.7	11
72	First Example of Dendrons as Topological Amplifiers. European Journal of Inorganic Chemistry, 2006, 2006, 2556-2560.	1.0	10

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73	Biological properties of water-soluble phosphorhydrazone dendrimers. Brazilian Journal of Pharmaceutical Sciences, 2013, 49, 33-44.	1.2	10
74	Application of the Kabachnik-Fields and Moedritzer-Irani Procedures for the Preparation of Bis(phosphonomethyl)amino- and Bis[(dimethoxyphosphoryl)Â-methyl]amino-Terminated Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10	1.2	9
75	Use of a fluorescent aminodeoxylactitol to measure the stability of anti-HIV catanionic dendrimers by spectrofluorimetry. Tetrahedron Letters, 2015, 56, 1566-1569.	0.7	7
76	Ferrocenyl Phosphorhydrazone Dendrimers Synthesis, and Electrochemical and Catalytic Properties. Molecules, 2020, 25, 447.	1.7	7
77	Frequency and route of administration in the treatment of experimental arthritis by phosphorus-based dendrimer. Annals of the Rheumatic Diseases, 2012, 71, A8.2-A8.	0.5	6
78	Low generation PEGylated phosphorus-containing dendrons with phosphonate anchors. Tetrahedron Letters, 2012, 53, 1908-1911.	0.7	6
79	Curing inflammatory diseases using phosphorous dendrimers. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1783.	3.3	6
80	Influence of Structural Parameters on the Selfâ€Association Properties of Antiâ€HIV Catanionic Dendrimers. ChemPhysChem, 2015, 16, 3433-3437.	1.0	5
81	Phosphorus Dendrimers: Nano-objects for Nanosciences. Macromolecular Symposia, 2005, 229, 1-7.	0.4	4
82	Supramolecular and Macromolecular Matrix Nanocarriers for Drug Delivery in Inflammation-Associated Skin Diseases. Pharmaceutics, 2020, 12, 1224.	2.0	3
83	CHEMISTRY WITHIN THE CASCADE STRUCTURE OF DENDRIMERS INCORPORATING P=N BONDS. Phosphorus Research Bulletin, 1999, 10, 777-781.	0.1	2
84	Phosphorus-Containing Dendrimers: Towards Applications. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1481-1484.	0.8	2
85	Fluorescent Phosphorus Dendrimers and Their Role in Supramolecular Interactions. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 860-868.	0.8	2
86	Surface, Core, and Structure Modifications of Phosphorus-Containing Dendrimers. Influence on the Thermal Stability.. ChemInform, 2003, 34, no.	0.1	0
87	Inside Cover: Multiplication of Human Natural Killer Cells by Nanosized Phosphonate-Capped Dendrimers (Angew. Chem. Int. Ed. 14/2007). Angewandte Chemie - International Edition, 2007, 46, 2334-2334.	7.2	0
88	R116: Immuno-modulations induites par des dendrimÃ¨res phosphorÃ©s. Bulletin Du Cancer, 2010, 97, S60-S61.	0.6	0
89	Thiophosphate/Phosphonateâ€Containing Crossâ€Linked PEGs and Their Use for the Stabilization of Silver Nanoparticles. Heteroatom Chemistry, 2015, 26, 299-306.	0.4	0