Jean-Pierre Majoral

List of Publications by Citations

357 papers	15,919 citations	71 h-index	102 g-index
369 ext. papers	17,093 ext. citations	7.9 avg, IF	6.59 L-index

#	Paper	IF	Citations
357	Dendrimers containing heteroatoms (si, p, B, ge, or bi). *Chemical Reviews*, **1999**, 99, 845-80	68.1	495
356	A General Synthetic Strategy for Neutral Phosphorus-Containing Dendrimers. *Angewandte Chemie International Edition in English*, **1994**, 33, 1589-1592		254
355	Expand classical drug administration ways by emerging routes using dendrimer drug delivery systems: a concise overview. *Advanced Drug Delivery Reviews*, **2013**, 65, 1316-30	18.5	225
354	Characterization of dendrimers. *Advanced Drug Delivery Reviews*, **2005**, 57, 2130-46	18.5	224
353	Construction of iron oxide nanoparticle-based hybrid platforms for tumor imaging and therapy. *Chemical Society Reviews*, **2018**, 47, 1874-1900	58.5	214
352	Dendrimer Surface Chemistry. Facile Route to Polyphosphines and Their Gold Complexes. *Journal of the American Chemical Society*, **1995**, 117, 9764-9765	16.4	183
351	Preparation of Water-Soluble Cationic Phosphorus-Containing Dendrimers as DNA Transfecting Agents. *Chemistry - A European Journal*, **1999**, 5, 3644-3650	4.8	174
350	Enhanced catalytic properties of copper in O- and N-arylation and vinylation reactions, using phosphorus dendrimers as ligands. *Journal of the American Chemical Society*, **2006**, 128, 15990-1	16.4	173
349	A phosphorus-based dendrimer targets inflammation and osteoclastogenesis in experimental arthritis. *Science Translational Medicine*, **2011**, 3, 81ra35	17.5	172
348	Nanomaterials based on phosphorus dendrimers. *Accounts of Chemical Research*, **2004**, 37, 341-8	24.3	170
347	Dendrimers and nanomedicine: multivalency in action. *New Journal of Chemistry*, **2009**, 33, 1809	3.6	164
346	Synthesis of Phosphorus-Containing Macrocycles and Cryptands. *Chemical Reviews*, **1994**, 94, 1183-1213	68.1	164
345	Dendrimeric coating of glass slides for sensitive DNA microarrays analysis. *Nucleic Acids Research*, **2003**, 31, e88	20.1	163
344	Regioselective Stepwise Growth of Dendrimer Units in the Internal Voids of a Main Dendrimer. *Science*, **1997**, 277, 1981-1984	33.3	155
343	Cationic phosphorus-containing dendrimers reduce prion replication both in cell culture and in mice infected with scrapie. *Journal of General Virology*, **2004**, 85, 1791-1799	4.9	151
342	Synthesis and Reactivity of Unusual Phosphorus Dendrimers. A Useful Divergent Growth Approach Up to the Seventh Generation. *Journal of the American Chemical Society*, **1995**, 117, 3282-3283	16.4	150
341	Water-soluble dendrimeric two-photon tracers for in vivo imaging. *Angewandte Chemie - International Edition*, **2006**, 45, 4645-8	16.4	143

340	Large Dipole Moments of Phosphorus-Containing Dendrimers. *Macromolecules*, **1997**, 30, 7335-7337	5.5	139
339	Dendrimeric phosphines in asymmetric catalysis. *Chemical Society Reviews*, **2008**, 37, 56-67	58.5	138
338	Simultaneous excitation of propagating and localized surface plasmon resonance in nanoporous gold membranes. *Analytical Chemistry*, **2006**, 78, 7346-50	7.8	137
337	Designing dendrimers for ocular drug delivery. *European Journal of Medicinal Chemistry*, **2010**, 45, 326-34	6.8	135
336	Rapid Synthesis of Phosphorus-Containing Dendrimers with Controlled Molecular Architectures: First Example of Surface-Block, Layer-Block, and Segment-Block Dendrimers Issued from the Same Dendron. *Journal of the American Chemical Society*, **2000**, 122, 2499-2511	16.4	132
335	Synthesis of bowl-shaped dendrimers from generation 1 to generation 8. *Journal of Organometallic Chemistry*, **1997**, 529, 51-58	2.3	131
334	Multiplication of human natural killer cells by nanosized phosphonate-capped dendrimers. *Angewandte Chemie - International Edition*, **2007**, 46, 2523-6	16.4	124
333	Dendrimers in combination with natural products and analogues as anti-cancer agents. *Chemical Society Reviews*, **2018**, 47, 514-532	58.5	122
332	Design of phosphorylated dendritic architectures to promote human monocyte activation. *FASEB Journal*, **2006**, 20, 2339-51	0.9	121
331	Water-soluble phosphorus-containing dendrimers. *Progress in Polymer Science*, **2005**, 30, 491-505	29.6	121
330	Dendrimers and DNA: combinations of two special topologies for nanomaterials and biology. *Chemistry - A European Journal*, **2008**, 14, 7422-32	4.8	118
329	The key role of the scaffold on the efficiency of dendrimer nanodrugs. *Nature Communications*, **2015**, 6, 7722	17.4	116
328	Phosphorus-Containing Dendrimers and Their Transition Metal Complexes as Efficient Recoverable Multicenter Homogeneous Catalysts in Organic Synthesis. *Organometallics*, **2000**, 19, 4025-4029	3.8	116
327	Organocatalysis with dendrimers. *Chemical Society Reviews*, **2012**, 41, 4113-25	58.5	115
326	Janus dendrimers: syntheses and properties. *New Journal of Chemistry*, **2012**, 36, 217-226	3.6	110
325	Water-soluble polycationic dendrimers with a phosphoramidothioate backbone: preliminary studies of cytotoxicity and oligonucleotide/plasmid delivery in human cell culture. *Oligonucleotides*, **2003**, 13, 193-205		109
324	The dendritic effect illustrated with phosphorus dendrimers. *Chemical Society Reviews*, **2015**, 44, 3890-9	58.5	104
323	Nanometric sponges made of water-soluble hydrophobic dendrimers. *Journal of the American Chemical Society*, **2004**, 126, 2304-5	16.4	103

322	The specific contribution of phosphorus in dendrimer chemistry. *Chemical Communications*, **2002**, 2929-4	5.8	100
321	Immobilization of Redox-Active Ligands on an Electrode: The Dendrimer Route. *Angewandte Chemie - International Edition*, **2001**, 40, 224-227	16.4	98
320	Organophosphorus Dendrimers as New Gelators for Hydrogels. *Angewandte Chemie - International Edition*, **2001**, 40, 2626-2629	16.4	98
319	New Mesotextured Hybrid Materials Made from Assemblies of Dendrimers and Titanium(IV)-Oxo-Organo Clusters. *Angewandte Chemie - International Edition*, **2000**, 39, 4249-4254	16.4	97
318	Dendrimer space concept for innovative nanomedicine: A futuristic vision for medicinal chemistry. *Progress in Polymer Science*, **2013**, 38, 993-1008	29.6	95
317	A modular approach to two-photon absorbing organic nanodots: brilliant dendrimers as an alternative to semiconductor quantum dots?. *Chemical Communications*, **2006**, 915-7	5.8	94
316	Tailored control and optimisation of the number of phosphonic acid termini on phosphorus-containing dendrimers for the ex-vivo activation of human monocytes. *Chemistry - A European Journal*, **2008**, 14, 4836-50	4.8	93
315	Dendrimers and nanotubes: a fruitful association. *Chemical Society Reviews*, **2010**, 39, 2034-47	58.5	89
314	Dendrimer design: how to circumvent the dilemma of a reduction of steps or an increase of function multiplicity?. *Angewandte Chemie - International Edition*, **2003**, 42, 1822-6	16.4	87
313	Organometallic Derivatives of Phosphorus-containing Dendrimers. Synthesis, Properties and Applications in Catalysis.. *Current Organic Chemistry*, **2002**, 6, 739-774	1.7	86
312	Advances in combination therapies based on nanoparticles for efficacious cancer treatment: an analytical report. *Biomacromolecules*, **2015**, 16, 1-27	6.9	85
311	Formation of dendrimer nanotubes by layer-by-layer deposition. *Small*, **2005**, 1, 99-102	11	84
310	Pyrene-tagged dendritic catalysts noncovalently grafted onto magnetic Co/C nanoparticles: an efficient and recyclable system for drug synthesis. *Angewandte Chemie - International Edition*, **2013**, 52, 3626-9	16.4	83
309	Mannodendrimers prevent acute lung inflammation by inhibiting neutrophil recruitment. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 8795-800	11.5	83
308	Optimisation of dendrimer-mediated gene transfer by anionic oligomers. *Journal of Gene Medicine*, **2003**, 5, 61-71	3.5	82
307	Phosphorus dendrimers affect Alzheimer's (A1-28) peptide and MAP-Tau protein aggregation. *Molecular Pharmaceutics*, **2012**, 9, 458-69	5.6	81
306	Dendrislides, dendrichips: a simple chemical functionalization of glass slides with phosphorus dendrimers as an effective means for the preparation of biochips. *New Journal of Chemistry*, **2003**, 27, 1713-1719	3.6	81
305	Octasubstituted metal-free phthalocyanine as core of phosphorus dendrimers: a probe for the properties of the internal structure. *Journal of the American Chemical Society*, **2005**, 127, 15762-70	16.4	81

304	First divergent strategy using two AB(2) unprotected monomers for the rapid synthesis of dendrimers. *Journal of the American Chemical Society*, **2001**, 123, 6698-9	16.4	81
303	Synthesis and application of phosphorus dendrimer immobilized azabis(oxazolines). *Organic Letters*, **2007**, 9, 2895-8	6.2	80
302	Polyaminophosphine Containing Dendrimers. Syntheses and Characterization. *Journal of the American Chemical Society*, **1995**, 117, 5470-5476	16.4	80
301	Anti-inflammatory and immunosuppressive activation of human monocytes by a bioactive dendrimer. *Journal of Leukocyte Biology*, **2009**, 85, 553-62	6.5	79
300	Multicharged and/or water-soluble fluorescent dendrimers: properties and uses. *Chemistry - A European Journal*, **2009**, 15, 9270-85	4.8	79
299	Palladium(0) nanoparticles stabilized by phosphorus dendrimers containing coordinating 15-membered triolefinic macrocycles in periphery. *Langmuir*, **2008**, 24, 2090-101	4	79
298	Water-Soluble Group 8 and 9 Transition Metal Complexes Containing a Trihydrazinophosphaadamantane Ligand: Catalytic Applications in Isomerization of Allylic Alcohols and Cycloisomerization of (Z)-Enynols in Aqueous Medium. *Advanced Synthesis and Catalysis*, **2006**, 348, 1671-1679	5.6	79
297	MALDI TOF mass spectrometry for the characterization of phosphorus-containing dendrimers. Scope and limitations. *Analytical Chemistry*, **2000**, 72, 5097-105	7.8	79
296	Biological properties of phosphorus dendrimers. *New Journal of Chemistry*, **2010**, 34, 1512	3.6	78
295	"Lego" chemistry for the straightforward synthesis of dendrimers. *Journal of Organic Chemistry*, **2003**, 68, 6043-6	4.2	78
294	Biological properties of new viologen-phosphorus dendrimers. *Molecular Pharmaceutics*, **2012**, 9, 448-57	5.6	76
293	Functional quantum-dot/dendrimer nanotubes for sensitive detection of DNA hybridization. *Small*, **2008**, 4, 566-71	11	75
292	Synthesis and characterization of linear, hyperbranched, and dendrimer-like polymers constituted of the same repeating unit. *Chemistry - A European Journal*, **2001**, 7, 3095-105	4.8	74
291	Original multivalent copper(II)-conjugated phosphorus dendrimers and corresponding mononuclear copper(II) complexes with antitumoral activities. *Molecular Pharmaceutics*, **2013**, 10, 1459-64	5.6	73
290	Regioselective Gold Complexation within the Cascade Structure of Phosphorus-Containing Dendrimers. *Chemistry - A European Journal*, **1998**, 4, 2031-2036	4.8	73
289	Dendritic catanionic assemblies: in vitro anti-HIV activity of phosphorus-containing dendrimers bearing galbeta1cer analogues. *ChemBioChem*, **2005**, 6, 2207-13	3.8	72
288	Grafting of water-soluble phosphines to dendrimers and their use in catalysis: positive dendritic effects in aqueous media. *Dalton Transactions*, **2009**, 4432-4	4.3	71
287	EPR study of the interactions between dendrimers and peptides involved in Alzheimer's and prion diseases. *Macromolecular Bioscience*, **2007**, 7, 1065-74	5.5	71

286	Coordination chemistry with phosphorus dendrimers. Applications as catalysts, for materials, and in biology. *Coordination Chemistry Reviews*, **2016**, 308, 478-497	23.2	70
285	Dendrimer space exploration: an assessment of dendrimers/dendritic scaffolding as inhibitors of protein-protein interactions, a potential new area of pharmaceutical development. *Chemical Reviews*, **2014**, 114, 1327-42	68.1	68
284	Polyelectrolyte layer-by-layer deposition in cylindrical nanopores. *ACS Nano*, **2010**, 4, 3909-20	16.7	68
283	Naked Au55 clusters: dramatic effect of a thiol-terminated dendrimer. *Chemistry - A European Journal*, **2000**, 6, 1693-7	4.8	68
282	The specific functionalization of cyclotriphosphazene for the synthesis of smart dendrimers. *Dalton Transactions*, **2016**, 45, 1810-22	4.3	67
281	Phosphorus-Containing Dendrimers with Ferrocenyl Units at the Core, within the Branches, and on the Periphery. *Macromolecules*, **2000**, 33, 7328-7336	5.5	67
280	Chemistry within Megamolecules:Regiospecific Functionalization after Construction of Phosphorus Dendrimers. *Journal of the American Chemical Society*, **1998**, 120, 13070-13082	16.4	67
279	Divergent Approaches to Phosphorus-Containing Dendrimers and their Functionalization. *Topics in Current Chemistry*, **1998**, 79-124		67
278	Phosphorus-Containing Dendrimers: Synthesis of Macromolecules with Multiple Tri- and Tetrafunctionalization. *Chemistry - A European Journal*, **1996**, 2, 1417-1426	4.8	66
277	Chemoselective Polyalkylations of Phosphorus-Containing Dendrimers. *Angewandte Chemie International Edition in English*, **1997**, 36, 596-599		65
276	New phosphorus dendrimers with chiral ferrocenyl phosphine-thioether ligands on the periphery for asymmetric catalysis. *Journal of Organometallic Chemistry*, **2007**, 692, 1064-1073	2.3	65
275	Synthesis and structure of the first cyclodiphosphazene. Dimerization of a phosphonitrile :P.tplbond.N. *Journal of the American Chemical Society*, **1984**, 106, 6088-6089	16.4	65
274	Phosphorus-Containing Dendrimers:Chemoselective Functionalization of Internal Layers. *Journal of the American Chemical Society*, **1998**, 120, 4029-4030	16.4	64
273	Cooperative two-photon absorption enhancement by through-space interactions in multichromophoric compounds. *Angewandte Chemie - International Edition*, **2009**, 48, 8691-4	16.4	63
272	Cationic and fluorescent "Janus" dendrimers. *Organic Letters*, **2008**, 10, 4751-4	6.2	63
271	Synthesis of hybrid dendrimer-star polymers by the RAFT process. *Chemical Communications*, **2004**, 2110-18		63
270	Versatile Complexation Ability of Very Large Phosphino-Terminated Dendrimers. *Inorganic Chemistry*, **1997**, 36, 1939-1945	5.1	62
269	Influence of phosphorus dendrimers on the aggregation of the prion peptide PrP 185-208. *Biochemical and Biophysical Research Communications*, **2007**, 364, 20-5	3.4	62

268	Iminophosphine Palladium Complexes in Catalytic Stille Coupling Reactions:From Monomers to Dendrimers. *Organometallics*, **2002**, 21, 4680-4687	3.8	62
267	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (B). Efficiency of pharmacological action. *International Journal of Pharmaceutics*, **2015**, 485, 288-94	6.5	61
266	Synthesis and properties of dendrimers possessing the same fluorophore(s) located either peripherally or off-center. *Journal of Organic Chemistry*, **2007**, 72, 8707-15	4.2	60
265	Segmental Mobility in Phosphorus-Containing Dendrimers. Studies by Fluorescent Spectroscopy. *Macromolecules*, **2001**, 34, 5599-5606	5.5	60
264	Specific functionalization on the surface of dendrimers. *Tetrahedron Letters*, **1996**, 37, 9053-9056	2	60
263	Thiazolyl-phosphine hydrochloride salts: effective auxiliary ligands for ruthenium-catalyzed nitrile hydration reactions and related amide bond forming processes in water. *Green Chemistry*, **2013**, 15, 2447	10	59
262	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	8.5	59
261	Organic nanodots for multiphotonics: synthesis and photophysical studies. *New Journal of Chemistry*, **2007**, 31, 1354	3.6	59
260	Resonating piezoelectric membranes for microelectromechanically based bioassay: detection of streptavidingold nanoparticles interaction with biotinylated DNA. *Sensors and Actuators B: Chemical*, **2005**, 110, 125-136	8.5	58
259	Polycationic phosphorus dendrimers: synthesis, characterization, study of cytotoxicity, complexation of DNA, and transfection experiments. *New Journal of Chemistry*, **2009**, 33, 318-326	3.6	57
258	Phosphorus-Containing Dendrimers. Easy Access to New Multi-Difunctionalized Macromolecules. *Journal of Organic Chemistry*, **1996**, 61, 3799-3805	4.2	57
257	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (A). Mechanisms of interaction. *International Journal of Pharmaceutics*, **2015**, 485, 261-9	6.5	56
256	Dendrimers or Nanoparticles as Supports for the Design of Efficient and Recoverable Organocatalysts?. *Advanced Synthesis and Catalysis*, **2013**, 355, 1748-1754	5.6	56
255	Fluorinated dendrimers. *Current Opinion in Colloid and Interface Science*, **2003**, 8, 282-295	7.6	55
254	Anticancer copper(II) phosphorus dendrimers are potent proapoptotic Bax activators. *European Journal of Medicinal Chemistry*, **2017**, 132, 142-156	6.8	54
253	New chiral phosphorus-containing dendrimers with ferrocenes on the periphery. *Tetrahedron*, **2001**, 57, 2521-2536	2.4	54
252	Behavior of an Optically Active Ferrocene Chiral Shell Located within Phosphorus-Containing Dendrimers. *Organometallics*, **2002**, 21, 1891-1897	3.8	54
251	New Synthetic Strategies for Phosphorus-Containing Cryptands and the First Phosphorus Spherand Type Compound. *Journal of the American Chemical Society*, **1994**, 116, 5007-5008	16.4	54

250	Present drug-likeness filters in medicinal chemistry during the hit and lead optimization process: how far can they be simplified?. *Drug Discovery Today*, **2018**, 23, 605-615	8.8	53
249	Dendrimer therapeutics: covalent and ionic attachments. *New Journal of Chemistry*, **2012**, 36, 227-240	3.6	53
248	Viologen-Phosphorus Dendrimers Inhibit -Synuclein Fibrillation. *Molecular Pharmaceutics*, **2013**, 10, 1131-7	5.6	53
247	Phosphine-terminated dendrimers. *Coordination Chemistry Reviews*, **1998**, 178-180, 793-821	23.2	53
246	Assembly and mechanical properties of phosphorus dendrimer/polyelectrolyte multilayer microcapsules. *Langmuir*, **2005**, 21, 7200-6	4	52
245	Doxorubicin-Conjugated PAMAM Dendrimers for pH-Responsive Drug Release and Folic Acid-Targeted Cancer Therapy. *Pharmaceutics*, **2018**, 10,	6.4	51
244	Ruthenium Hydride and Dihydrogen Complexes with Dendrimeric Multidentate Ligands. *Organometallics*, **1997**, 16, 3489-3497	3.8	50
243	Anti-Inflammatory Effect of Anti-TNF- SiRNA Cationic Phosphorus Dendrimer Nanocomplexes Administered Intranasally in a Murine Acute Lung Injury Model. *Biomacromolecules*, **2017**, 18, 2379-2388	6.9	49
242	Synthesis of phosphorus dendrimers bearing chromophoric end groups: toward organic blue light-emitting diodes. *Tetrahedron*, **2006**, 62, 11891-11899	2.4	49
241	Doxycycline-regulated GDNF expression promotes axonal regeneration and functional recovery in transected peripheral nerve. *Journal of Controlled Release*, **2013**, 172, 841-51	11.7	48
240	Phosphorus-containing dendrimers against -synuclein fibril formation. *International Journal of Biological Macromolecules*, **2012**, 50, 1138-43	7.9	48
239	Interactions between dendrimers and heparin and their implications for the anti-prion activity of dendrimers. *New Journal of Chemistry*, **2009**, 33, 1087	3.6	46
238	Organic–inorganic Hybrid Materials Incorporating Phosphorus-Containing Dendrimers. *Chemistry of Materials*, **2000**, 12, 3848-3856	9.6	46
237	Photochemical and thermal rearrangement of heavier main-group element azides. *Accounts of Chemical Research*, **1986**, 19, 17-23	24.3	46
236	Uses of Dendrimers for DNA Microarrays. *Sensors*, **2006**, 6, 901-914	3.8	46
235	Dendrimer–silica hybrid mesoporous materials. *New Journal of Chemistry*, **2012**, 36, 241-255	3.6	45
234	Synthesis of Dendrimers Terminated by Bis(diphenylphosphinomethyl)amino Ligands and Use of Their Palladium Complexes for Catalyzing C–C Cross-Coupling Reactions. *Organometallics*, **2008**, 27, 2066-2073	3.8	45
233	A third generation chiral phosphorus-containing dendrimer as ligand in Pd-catalyzed asymmetric allylic alkylation. *Tetrahedron Letters*, **2005**, 46, 6503-6506	2	45

232	Cyclotriphosphazene core-based dendrimers for biomedical applications: an update on recent advances. *Journal of Materials Chemistry B*, **2018**, 6, 884-895	7.3	44
231	Phosphorus dendrimers possessing metallic groups in their internal structure (core or branches): Syntheses and properties. *Coordination Chemistry Reviews*, **2005**, 249, 1917-1926	23.2	44
230	Why and how have drug discovery strategies in pharma changed? What are the new mindsets?. *Drug Discovery Today*, **2016**, 21, 239-49	8.8	43
229	Original Multivalent Gold(III) and Dual Gold(III)-Copper(II) Conjugated Phosphorus Dendrimers as Potent Antitumoral and Antimicrobial Agents. *Molecular Pharmaceutics*, **2017**, 14, 4087-4097	5.6	43
228	Can dendrimer based nanoparticles fight neurodegenerative diseases? Current situation versus other established approaches. *Progress in Polymer Science*, **2017**, 64, 23-51	29.6	42
227	Phosphorus-containing dendrimers bearing galactosylceramide analogs: self-assembly properties. *Chemical Communications*, **2002**, 1864-5	5.8	42
226	Superstructured poly(amidoamine) dendrimer-based nanoconstructs as platforms for cancer nanomedicine: A concise review. *Coordination Chemistry Reviews*, **2020**, 421, 213463	23.2	41
225	Self-assembly of water-soluble dendrimers into thermoreversible hydrogels and macroscopic fibers. *Langmuir*, **2004**, 20, 9348-53	4	41
224	Dendrimers Containing Zwitterionic [Phosphonium Anionic Zirconocene(IV)] Complexes. *Organometallics*, **1999**, 18, 1580-1582	3.8	41
223	Polyazaphosphorus macrocycles. Synthetic approaches to symmetric or dissymmetric 18-, 20-, 22-, and 30-membered rings. *Journal of the American Chemical Society*, **1990**, 112, 5618-5623	16.4	41
222	Dendritic phosphoramidite ligands for Rh-catalyzed [2+2+2] cycloaddition reactions: unprecedented enhancement of enantiodiscrimination. *Chemical Communications*, **2012**, 48, 9248-50	5.8	40
221	Dendrimers as macromolecular tools to tackle from colon to brain tumor types: a concise overview. *New Journal of Chemistry*, **2013**, 37, 3337	3.6	40
220	Efficient and recyclable rare earth-based catalysts for Friedel□Crafts acylations under microwave heating: dendrimers show the way. *Green Chemistry*, **2013**, 15, 2075	10	40
219	Interaction of cationic phosphorus dendrimers (CPD) with charged and neutral lipid membranes. *Colloids and Surfaces B: Biointerfaces*, **2011**, 82, 8-12	6	40
218	Surface, core, and structure modifications of phosphorus-containing dendrimers. Influence on the thermal stability. *Tetrahedron*, **2003**, 59, 3965-3973	2.4	40
217	Optical properties of hybrid dendritic-mesoporous titania nanocomposite films. *Chemistry - A European Journal*, **2008**, 14, 7658-69	4.8	39
216	Interactions of phosphorus-containing dendrimers with liposomes. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2011**, 1811, 221-6	5	38
215	The detection of DNA hybridization on phosphorus dendrimer multilayer films by surface plasmon field enhanced-fluorescence spectroscopy. *Langmuir*, **2009**, 25, 13680-4	4	38

214	Giant dendrimer-like particles from nanolatexes. *Chemical Communications*, **2004**, 1816-7	5.8	38
213	Design of new tools for macrocyclic synthesis. Applications to the preparation of polyphosphorus macrocycles. *Journal of Organic Chemistry*, **1992**, 57, 970-975	4.2	37
212	Bench-to-bedside translation of dendrimers: Reality or utopia? A concise analysis. *Advanced Drug Delivery Reviews*, **2018**, 136-137, 73-81	18.5	37
211	Localized surface plasmon resonance coupling in Au nanoparticles/phosphorus dendrimer multilayer thin films fabricated by layer-by-layer self-assembly method. *Journal of Materials Chemistry*, **2009**, 19, 2006		36
210	Dendritic structures within dendritic structures: dendrimer-induced formation and self-assembly of nanoparticle networks. *Nanoscale*, **2009**, 1, 233-7	7.7	36
209	Phosphonate terminated PPH dendrimers: influence of pendant alkyl chains on the in vitro anti-HIV-1 properties. *Organic and Biomolecular Chemistry*, **2009**, 7, 3491-8	3.9	36
208	Multivalent catanionic GalCer analogs derived from first generation dendrimeric phosphonic acids. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 242-8	3.4	36
207	Ein allgemeiner Zugang zu neutralen, phosphorhaltigen Dendrimeren. *Angewandte Chemie*, **1994**, 106, 1682-1684	3.6	36
206	Synthesis and photochemical behavior of phosphorus dendrimers containing azobenzene units within the branches and/or on the surface. *Chemistry - A European Journal*, **2002**, 8, 2172-83	4.8	35
205	Electrogenerated poly(dendrimers) containing conjugated poly(thiophene) chains. *Chemical Communications*, **2000**, 507-508	5.8	35
204	Dendrimers ended by non-symmetrical azadiphosphonate groups: synthesis and immunological properties. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 3963-6	2.9	34
203	Microstructured liposome array. *Bioconjugate Chemistry*, **2006**, 17, 245-7	6.3	34
202	Radical Dendrimers: A Family of Five Generations of Phosphorus Dendrimers Functionalized with TEMPO Radicals. *Macromolecules*, **2014**, 47, 7717-7724	5.5	33
201	Developing the Kharasch Reaction in Aqueous Media: Dinuclear Group 8 and 9 Catalysts Containing the Bridging Cage Ligand Tris(1,2-dimethylhydrazino)diphosphane. *European Journal of Inorganic Chemistry*, **2008**, 2008, 786-794	2.3	33
200	Phosphorus dendrimers as new tools to deliver active substances. *Tetrahedron Letters*, **2001**, 42, 3587-3590	2	33
199	Hierarchically porous nanostructures through phosphonate-metal alkoxide condensation and growth using functionalized dendrimeric building blocks. *Chemical Communications*, **2011**, 47, 8626-8	5.8	32
198	Phosphorus dendrimers and photodynamic therapy. Spectroscopic studies on two dendrimer-photosensitizer complexes: Cationic phosphorus dendrimer with rose bengal and anionic phosphorus dendrimer with methylene blue. *International Journal of Pharmaceutics*, **2015**, 492, 266-74	6.5	31
197	Cationic phosphorus dendrimers and therapy for Alzheimer's disease. *New Journal of Chemistry*, **2015**, 39, 4852-4859	3.6	31

196	An efficient and recyclable dendritic catalyst able to dramatically decrease palladium leaching in Suzuki couplings. *Green Chemistry*, **2012**, 14, 2807	10	31
195	Time evolution of the aggregation process of peptides involved in neurodegenerative diseases and preventing aggregation effect of phosphorus dendrimers studied by EPR. *Biomacromolecules*, **2010**, 11, 3014-21	6.9	31
194	Dendrimers with N,N-Disubstituted Hydrazines as End Groups, Useful Precursors for the Synthesis of Water-Soluble Dendrimers Capped with Carbohydrate, Carboxylic or Boronic Acid Derivatives. *Tetrahedron*, **2000**, 56, 6269-6277	2.4	31
193	Efficient synthesis of phosphorus-containing dendrimers capped with isosteric functions of amino-bismethylene phosphonic acids. *Tetrahedron Letters*, **2009**, 50, 2078-2082	2	30
192	Cage-Like Phosphines: Design and Catalytic Properties. *Advanced Synthesis and Catalysis*, **2010**, 352, 2341-2358	5.6	30
191	N-Thiophosphorylated and N-Phosphorylated Iminophosphoranes [R3P=NP(X)R?2; X= O, S] as Models for Dendrimers: Synthesis, Reactivity and Crystal Structures. *European Journal of Inorganic Chemistry*, **1999**, 1999, 601-611	2.3	30
190	Reactivite de quelques phosphor(III)adamantanes et de quelques analogues tricycliques. *Tetrahedron Letters*, **1980**, 21, 1449-1452	2	30
189	Synthesis of onion-peel nanodendritic structures with sequential functional phosphorus diversity. *Chemistry - A European Journal*, **2015**, 21, 6400-8	4.8	29
188	Targeted tumor dual mode CT/MR imaging using multifunctional polyethylenimine-entrapped gold nanoparticles loaded with gadolinium. *Drug Delivery*, **2018**, 25, 178-186	7	29
187	Molecular and Macromolecular Engineering with Viologens as Building Blocks: Rational Design of Phosphorus Viologen Dendritic Structures. *European Journal of Organic Chemistry*, **2012**, 2012, 269-273	3.2	29
186	Positively charged phosphorus dendrimers. An overview of their properties. *New Journal of Chemistry*, **2013**, 37, 3358	3.6	29
185	Low temperature synthesis of ordered mesoporous stable anatase nanocrystals: the phosphorus dendrimer approach. *Nanoscale*, **2013**, 5, 2850-6	7.7	29
184	Synthesis of Dendritic Diketones and Their Application in Copper-Catalyzed Diaryl Ether Formation. *European Journal of Organic Chemistry*, **2012**, 2012, 1056-1062	3.2	29
183	Fluorescent core-shell star polymers based bioassays for ultrasensitive DNA detection by surface plasmon fluorescence spectroscopy. *Macromolecular Rapid Communications*, **2011**, 32, 679-83	4.8	29
182	Phosphate-, Phosphite-, Ylide-, and Phosphonate-Terminated Dendrimers. *Journal of Organic Chemistry*, **1997**, 62, 4834-4841	4.2	29
181	Effect of Dendrimer Generation on the Assembly and Mechanical Properties of DNA/Phosphorus Dendrimer Multilayer Microcapsules. *Macromolecules*, **2006**, 39, 5479-5483	5.5	29
180	Probing single molecule interactions by AFM using bio-functionalized dendritips. *Sensors and Actuators B: Chemical*, **2012**, 168, 436-441	8.5	28
179	Synthesis and structural characterization of a dendrimer model compound based on a cyclotriphosphazene core with TEMPO radicals as substituents. *Organic Letters*, **2013**, 15, 3490-3	6.2	28

178	Thiazolyl Phosphine Ligands for Copper-Catalyzed Arylation and Vinylation of Nucleophiles in Organic and Aqueous Media. *Organometallics*, **2008**, 27, 5733-5736	3.8	28
177	Bioactive multilayer thin films of charged N,N-disubstituted hydrazine phosphorus dendrimers fabricated by layer-by-layer self-assembly. *Thin Solid Films*, **2008**, 516, 1256-1264	2.2	28
176	Compound high-quality criteria: a new vision to guide the development of drugs, current situation. *Drug Discovery Today*, **2016**, 21, 573-84	8.8	27
175	Fluorescent Phosphorus Dendrimer as a Spectral Nanosensor for Macrophage Polarization and Fate Tracking in Spinal Cord Injury. *Macromolecular Bioscience*, **2015**, 15, 1523-34	5.5	27
174	Phosphorus dendrimers for the controlled elaboration of organic□inorganic materials. *Journal of Materials Chemistry*, **2005**, 15, 3643		27
173	The behavior of Au55 nanoclusters on and in thiol-terminated dendrimer monolayers. *Small*, **2005**, 1, 73-5	11	27
172	Phosphorylated Hydrazines and Aldehydes as Precursors of Phosphorus-Containing Multimacrocycles. *Journal of the American Chemical Society*, **1995**, 117, 1712-1721	16.4	27
171	From graftable biphotonic chromophores to water-soluble organic nanodots for biophotonics: the importance of environmental effects. *Chemistry - A European Journal*, **2012**, 18, 16450-62	4.8	26
170	Phosphorus dendrimers as viewed by 31P NMR spectroscopy; synthesis and characterization. *Comptes Rendus Chimie*, **2010**, 13, 1006-1027	2.7	26
169	Efficient Phosphorus Catalysts for the Halogen-Exchange (Halex) Reaction. *Advanced Synthesis and Catalysis*, **2008**, 350, 2677-2682	5.6	26
168	Michael-Type Addition of Amines to the Vinyl Core of Dendrons □Application to the Synthesis of Multidendritic Systems. *European Journal of Organic Chemistry*, **2000**, 2000, 3555-3568	3.2	26
167	Chemistry in the internal voids of dendrimers. *Coordination Chemistry Reviews*, **1999**, 190-192, 3-18	23.2	26
166	First phosphorus macrocycles incorporating tetrathiafulvalene (TTF) moieties. *Tetrahedron Letters*, **1990**, 31, 6343-6346	2	26
165	Synthesis of a fluorescent cationic phosphorus dendrimer and preliminary biological studies of its interaction with DNA. *Nucleosides, Nucleotides and Nucleic Acids*, **2010**, 29, 155-67	1.4	25
164	Detection of TNT using a sensitive two-photon organic dendrimer for remote sensing. *Nanotechnology*, **2008**, 19, 115502	3.4	25
163	Hexamethylhydrazinocyclotriphosphazene N3P3(NMeNH2)6: Starting reagent for the synthesis of multifunctionalized species, macrocycles, and small dendrimers **1996**, 7, 149-154		25
162	Dendrimers toward Translational Nanotherapeutics: Concise Key Step Analysis. *Bioconjugate Chemistry*, **2020**, 31, 2060-2071	6.3	25
161	Bifunctional Phosphorus Dendrimers and Their Properties. *Molecules*, **2016**, 21, 538	4.8	25

160	Revisiting Cationic Phosphorus Dendrimers as a Nonviral Vector for Optimized Gene Delivery Toward Cancer Therapy Applications. *Biomacromolecules*, **2020**, 21, 2502-2511	6.9	24
159	Mechanism of cationic phosphorus dendrimer toxicity against murine neural cell lines. *Molecular Pharmaceutics*, **2013**, 10, 3484-96	5.6	24
158	Metallated Phthalocyanines as the Core of Dendrimers Synthesis and Spectroscopic Studies. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2890-2896	2.3	24
157	Organometallic Derivatives at the Core of Phosphorus-Containing Dendrimers. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2005**, 631, 2881-2887	1.3	24
156	Dendrimer- and polymeric nanoparticle-aptamer bioconjugates as nonviral delivery systems: a new approach in medicine. *Drug Discovery Today*, **2020**, 25, 1065-1073	8.8	24
155	Dendrimer-Enabled Therapeutic Antisense Delivery Systems as Innovation in Medicine. *Bioconjugate Chemistry*, **2019**, 30, 1938-1950	6.3	23
154	Exploration of biomedical dendrimer space based on in-vitro physicochemical parameters: key factor analysis (Part 1). *Drug Discovery Today*, **2019**, 24, 1176-1183	8.8	23
153	Biological Activity of Mesoporous Dendrimer-Coated Titanium Dioxide: Insight on the Role of the Surface-Interface Composition and the Framework Crystallinity. *ACS Applied Materials & Interfaces*, **2015**, 7, 19994-20003	9.5	23
152	Phosphorus dendrimer-based copper(II) complexes enable ultrasound-enhanced tumor theranostics. *Nano Today*, **2020**, 33, 100899	17.9	23
151	A novel class of ethacrynic acid derivatives as promising drug-like potent generation of anticancer agents with established mechanism of action. *European Journal of Medicinal Chemistry*, **2016**, 122, 656-673	6.8	23
150	Synergistic Effects of Anionic/Cationic Dendrimers and Levofloxacin on Antibacterial Activities. *Molecules*, **2019**, 24,	4.8	23
149	Copper in dendrimer synthesis and applications of copper dendrimer systems in catalysis: a concise overview. *Tetrahedron*, **2013**, 69, 3103-3133	2.4	23
148	Dendrimeric Nanoparticles for Two-Photon Photodynamic Therapy and Imaging: Synthesis, Photophysical Properties, Innocuousness in Daylight and Cytotoxicity under Two-Photon Irradiation in the NIR. *Chemistry - A European Journal*, **2019**, 25, 3637-3649	4.8	23
147	Exploration of biomedical dendrimer space based on in-vivo physicochemical parameters: Key factor analysis (Part 2). *Drug Discovery Today*, **2019**, 24, 1184-1192	8.8	22
146	Fourier transform infrared spectroscopy (FTIR) characterization of the interaction of anti-cancer photosensitizers with dendrimers. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 535-44	4.4	22
145	Design of tailored multi-charged phosphorus surface-block dendrimers. *New Journal of Chemistry*, **2006**, 30, 1731	3.6	22
144	Does charge carrier dimensionality increase in mixed-valence salts of tetrathiafulvalene-terminated dendrimers?. *Organic Letters*, **2004**, 6, 2109-12	6.2	22
143	. *Chemistry - A European Journal*, **2000**, 6, 1693-1697	4.8	22

142	Multi-Target Inhibition of Cancer Cell Growth by SiRNA Cocktails and 5-Fluorouracil Using Effective Piperidine-Terminated Phosphorus Dendrimers. *Colloids and Interfaces*, **2017**, 1, 6	3	21
141	Recent therapeutic applications of the theranostic principle with dendrimers in oncology. *Science China Materials*, **2018**, 61, 1367-1386	7.1	21
140	Synthesis, characterization and biological properties of new hybrid carbosilane□viologen□phosphorus dendrimers. *RSC Advances*, **2015**, 5, 25942-25958	3.7	21
139	Application of the Horner-Wadsworth-Emmons Reaction to the Functionalization of Dendrimers: Synthesis of Amino Acid Terminated Dendrimers. *Synthesis*, **1997**, 1997, 1199-1207	2.9	21
138	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	3.6	20
137	Effect of viologen-phosphorus dendrimers on acetylcholinesterase and butyrylcholinesterase activities. *International Journal of Biological Macromolecules*, **2013**, 54, 119-24	7.9	20
136	Water-Soluble Dendrimeric Two-Photon Tracers for In Vivo Imaging. *Angewandte Chemie*, **2006**, 118, 4761-4764	3.6	20
135	A new way for the internal functionalization of dendrimers. *Tetrahedron Letters*, **2004**, 45, 3019-3022	2	20
134	New phosphorus-containing dendrimers with ferrocenyl units in each layer. *Comptes Rendus Chimie*, **2002**, 5, 309-318	2.7	20
133	Synthesis, Structure, and Reactivity of Stable PN Heterocycles with Two and Six Methyleneamine Units: [H2C?N?N(Me)]2 P(S)(Ph) and [H2C?N?N(Me)]6P3N3. *Angewandte Chemie International Edition in English*, **1993**, 32, 1477-1479		20
132	Cationic Phosphorus Dendrimer Enhances Photodynamic Activity of Rose Bengal against Basal Cell Carcinoma Cell Lines. *Molecular Pharmaceutics*, **2017**, 14, 1821-1830	5.6	19
131	New Ways to Treat Tuberculosis Using Dendrimers as Nanocarriers. *Pharmaceutics*, **2018**, 10,	6.4	19
130	Number of terminal groups versus generation of the dendrimer, which criteria influence the catalytic properties?. *Tetrahedron Letters*, **2012**, 53, 3876-3879	2	19
129	Photo-physical and structural interactions between viologen phosphorus-based dendrimers and human serum albumin. *Journal of Luminescence*, **2012**, 132, 1553-1563	3.8	19
128	Synthesis of dye/fluorescent functionalized dendrons based on cyclotriphosphazene. *Beilstein Journal of Organic Chemistry*, **2011**, 7, 1577-83	2.5	19
127	First phosphorous d-xylose-derived glycodendrimers. *Tetrahedron Letters*, **2009**, 50, 1902-1905	2	19
126	Design of Bisphosphonate-Terminated Dendrimers. *European Journal of Organic Chemistry*, **2010**, 2010, 2759-2767	3.2	19
125	Functionalized macrocycles incorporating phosphorus-nitrogen and phosphorus-oxygen bonds. Strategies of synthesis. *Inorganic Chemistry*, **1991**, 30, 3365-3367	5.1	19

124	Facile synthesis of new classes of free and complexed polyaza phosphorus macrocycles. *Inorganic Chemistry*, **1988**, 27, 3873-3875	5.1	19
123	Investigations on dendrimer space reveal solid and liquid tumor growth-inhibition by original phosphorus-based dendrimers and the corresponding monomers and dendrons with ethacrynic acid motifs. *Nanoscale*, **2015**, 7, 3915-22	7.7	18
122	Poly(phosphorhydrazone) metallodendrimers. A review. *Inorganica Chimica Acta*, **2014**, 409, 68-88	2.7	18
121	Promising low-toxicity of viologen-phosphorus dendrimers against embryonic mouse hippocampal cells. *Molecules*, **2013**, 18, 12222-40	4.8	18
120	SYNTHESIS AND REACTIVITY OF DENDRIMERS BASed ON PHOSPHORYL (P=O) GROUPS. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1997**, 123, 21-34	1	18
119	Organophosphorus Dendrimers as New Gelators for Hydrogels. *Angewandte Chemie*, **2001**, 113, 2696-2698	3.6	18
118	New and efficient syntheses of symmetrical phosphorus-containing cryptands. *Journal of the Chemical Society Chemical Communications*, **1994**, 2161		18
117	HIV-antigens charged on phosphorus dendrimers as tools for tolerogenic dendritic cells-based immunotherapy. *Current Medicinal Chemistry*, **2014**, 21, 1898-909	4.3	18
116	Fluorescent Phosphorus Dendrimers: Towards Material and Biological Applications. *ChemPlusChem*, **2019**, 84, 1070-1080	2.8	17
115	Pyrene-Tagged Dendritic Catalysts Noncovalently Grafted onto Magnetic Co/C Nanoparticles: An Efficient and Recyclable System for Drug Synthesis. *Angewandte Chemie*, **2013**, 125, 3714-3717	3.6	17
114	Reduced number of steps for the synthesis of dense and highly functionalized dendrimers. *Tetrahedron Letters*, **2007**, 48, 579-583	2	17
113	Influence of cationic phosphorus dendrimers on the surfactant-induced synthesis of mesostructured nanoporous silica. *New Journal of Chemistry*, **2007**, 31, 1259-1263	3.6	17
112	Elucidating the role of surface chemistry on cationic phosphorus dendrimer-siRNA complexation. *Nanoscale*, **2018**, 10, 10952-10962	7.7	17
111	Dendrimer mediated targeting of siRNA against polo-like kinase for the treatment of triple negative breast cancer. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 1933-1944	5.4	16
110	Organophosphonate bridged anatase mesocrystals: low temperature crystallization, thermal growth and hydrogen photo-evolution. *Dalton Transactions*, **2015**, 44, 15544-56	4.3	16
109	Interactions gold/phosphorus dendrimers. Versatile ways to hybrid organic-metallic macromolecules. *Coordination Chemistry Reviews*, **2018**, 358, 80-91	23.2	16
108	Nanostructuring polymeric materials by templating strategies. *Small*, **2011**, 7, 1384-91	11	16
107	An efficient synthesis combining phosphorus dendrimers and 15-membered triolefinic azamacrocycles: towards the stabilization of platinum nanoparticles. *New Journal of Chemistry*, **2010**, 34, 547	3.6	16

106	Decorating step-by-step and independently the surface and the core of dendrons. *Journal of Organometallic Chemistry*, **2007**, 692, 1928-1939	2.3	16
105	Phosphorus dendritic architectures: polyanionic and polycationic derivatives. *Polymer International*, **2006**, 55, 1155-1160	3.3	16
104	Grafting of Tetraazamacrocycles on the Surface of Phosphorus-Containing Dendrimers. *European Journal of Organic Chemistry*, **1999**, 1999, 1701-1708	3.2	16
103	Dual properties of water-soluble Ru-PTA complexes of dendrimers: Catalysis and interaction with DNA. *Inorganica Chimica Acta*, **2018**, 470, 106-112	2.7	15
102	Diversified Strategies for the Synthesis of Bifunctional Dendrimeric Structures. *European Journal of Organic Chemistry*, **2013**, 2013, 5414-5422	3.2	15
101	Synthesis and Reactions of Heterocyclic Compounds Containing a P-N-N-Linkage. *Synthesis*, **1978**, 1978, 557-576	2.9	15
100	Non-invasive intranasal administration route directly to the brain using dendrimer nanoplatforms: An opportunity to develop new CNS drugs. *European Journal of Medicinal Chemistry*, **2021**, 209, 112905	6.8	15
99	Which Dendrimer to Attain the Desired Properties? Focus on Phosphorhydrazone Dendrimers. *Molecules*, **2018**, 23,	4.8	14
98	Phosphorus dendrimers as supports of transition metal catalysts. *Inorganica Chimica Acta*, **2015**, 431, 3-20	2.7	14
97	Synthesis and characterization of water-soluble ferrocene-dendrimers. *Journal of Organometallic Chemistry*, **2012**, 718, 22-30	2.3	14
96	Cooperative Two-Photon Absorption Enhancement by Through-Space Interactions in Multichromophoric Compounds. *Angewandte Chemie*, **2009**, 121, 8847-8850	3.6	14
95	Heterocyclic compounds containing phosphorus. Part 30. Synthesis of mixed phosphorohydrazides and of some new mono-, bi-, and tri-cyclic derivatives. *Journal of the Chemical Society Perkin Transactions 1*, **1976**, 2093		14
94	Viologen-based dendritic macromolecular asterisks: synthesis and interplay with gold nanoparticles. *Chemical Communications*, **2014**, 50, 6981-3	5.8	13
93	In vitro PAMAM, phosphorus and viologen-phosphorus dendrimers prevent rotenone-induced cell damage. *International Journal of Pharmaceutics*, **2014**, 474, 42-9	6.5	13
92	Interference of cationic polymeric nanoparticles with clinical chemistry tests--clinical relevance. *International Journal of Pharmaceutics*, **2014**, 473, 599-606	6.5	13
91	Viologen-phosphorus dendrimers exhibit minor toxicity against a murine neuroblastoma cell line. *Cellular and Molecular Biology Letters*, **2013**, 18, 459-78	8.1	13
90	Macrocyclic Core Phosphorus Dendrimers Covered on the Surface by N,P Ligands. *European Journal of Organic Chemistry*, **2011**, 2011, 1256-1265	3.2	13
89	THF-induced stiffening of polyelectrolyte/phosphorus dendrimer multilayer microcapsules. *Polymer*, **2010**, 51, 4525-4529	3.9	13

88	Immobilization of Redox-Active Ligands on an Electrode: The Dendrimer Route. *Angewandte Chemie*, **2001**, 113, 230-233	3.6	13
87	Silica Functionalized by Bifunctional Dendrimers: Hybrid Nanomaterials for Trapping CO2. *European Journal of Inorganic Chemistry*, **2016**, 2016, 3103-3110	2.3	13
86	Janus carbosilane/phosphorhydrazone dendrimers synthesized by the Click Staudinger reaction. *Tetrahedron Letters*, **2013**, 54, 6864-6867	2	12
85	Thioacylation reactions for the surface functionalization of phosphorus-containing dendrimers. *Organic Letters*, **2004**, 6, 1309-12	6.2	12
84	New Mesotextured Hybrid Materials Made from Assemblies of Dendrimers and Titanium(IV)-Oxo-Organo Clusters. *Angewandte Chemie*, **2000**, 112, 4419-4424	3.6	12
83	Choice of strategies for the divergent synthesis of phosphorus-containing dendrons, depending on the function located at the core. *New Journal of Chemistry*, **2000**, 24, 561-566	3.6	12
82	Reactivity of polyaza diphosphorus macrocycles. *Inorganic Chemistry*, **1991**, 30, 344-346	5.1	12
81	Cyclotriphosphazene, an old compound applied to the synthesis of smart dendrimers with tailored properties. *Pure and Applied Chemistry*, **2016**, 88, 919-929	2.1	12
80	Ternary cooperative assembly--polymeric condensation of photoactive viologen, phosphonate-terminated dendrimers and crystalline anatase nanoparticles. *Chemical Communications*, **2015**, 51, 17716-9	5.8	11
79	First-in-Class Combination Therapy of a Copper(II) Metallo-Phosphorus Dendrimer with Cytotoxic Agents. *Oncology*, **2018**, 94, 324-328	3.6	11
78	Bifunctional metallodendrimers based on AB5 derivatives of cyclotriphosphazene as core and P,N ligands as terminal functions. *Inorganica Chimica Acta*, **2014**, 409, 121-126	2.7	11
77	Selective encapsulation of dye molecules in dendrimer/polymer multilayer microcapsules by DNA hybridization. *Journal of Materials Chemistry*, **2010**, 20, 1438		11
76	gem-Bisphosphonate-Ended Group Dendrimers: Design and Gadolinium Complexing Properties. *European Journal of Organic Chemistry*, **2009**, 2009, 4290-4299	3.2	11
75	Specific vapor sorption properties of phosphorus-containing dendrimers. *Journal of Colloid and Interface Science*, **2011**, 360, 204-10	9.3	11
74	Synthesis and Core and Surface Reactivity of Phosphorus-Based Dendrons. *European Journal of Inorganic Chemistry*, **2004**, 2004, 2459-2466	2.3	11
73	Metal-based phosphorus dendrimers as novel nanotherapeutic strategies to tackle cancers: A concise overview. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2019**, 11, e1577	9.2	10
72	Complexing Methylene Blue with Phosphorus Dendrimers to Increase Photodynamic Activity. *Molecules*, **2017**, 22,	4.8	10
71	Multiplication of Human Natural Killer Cells by Nanosized Phosphonate-Capped Dendrimers. *Angewandte Chemie*, **2007**, 119, 2575-2578	3.6	10

70	Polyazatetraphosphorus P?C and P?N?N macrocycles. *Tetrahedron Letters*, **1991**, 32, 203-206	2	10
69	Engineered non-invasive functionalized dendrimer/dendron-entrapped/complexed gold nanoparticles as a novel class of theranostic (radio)pharmaceuticals in cancer therapy. *Journal of Controlled Release*, **2021**, 332, 346-366	11.7	10
68	Orthogonal Synthesis of Covalent Polydendrimer Frameworks by Fusing Classical and Onion-Peel Phosphorus-Based Dendritic Units. *Macromolecules*, **2016**, 49, 5796-5805	5.5	10
67	In vivo therapeutic applications of phosphorus dendrimers: state of the art. *Drug Discovery Today*, **2021**, 26, 677-689	8.8	10
66	Ordered Layered Dendrimers Constructed from Two Known Dendrimer Families: Inheritance and Emergence of Properties. *Chemistry - A European Journal*, **2016**, 22, 10736-42	4.8	9
65	A viologen phosphorus dendritic molecule as a carrier of ATP and Mant-ATP: spectrofluorimetric and NMR studies. *New Journal of Chemistry*, **2014**, 38, 6212-6222	3.6	9
64	DNA hybridization induced selective encapsulation of small dye molecules in dendrimer based microcapsules. *Analyst, The*, **2010**, 135, 2939-44	5	9
63	Brilliant organic nanodots: novel nano-objects for bionanophotonics **2008**,		9
62	First Example of Dendrons as Topological Amplifiers. *European Journal of Inorganic Chemistry*, **2006**, 2006, 2556-2560	2.3	9
61	Potent Anticancer Efficacy of First-In-Class Cu and Au Metaled Phosphorus Dendrons with Distinct Cell Death Pathways. *Chemistry - A European Journal*, **2020**, 26, 5903-5910	4.8	8
60	Interaction between viologen-phosphorus dendrimers and □synuclein. *Journal of Luminescence*, **2013**, 134, 132-137	3.8	8
59	Dendrimer Design: How to Circumvent the Dilemma of a Reduction of Steps or an Increase of Function Multiplicity?. *Angewandte Chemie*, **2003**, 115, 1866-1870	3.6	8
58	Synthesis of Di- or Tetrafunctionalized Phosphorus Macrocycles. *Synthesis*, **1995**, 1995, 952-956	2.9	8
57	Phosphorhydrazones as Useful Building Blocks for Special Architectures: Macrocycles and Dendrimers. *European Journal of Inorganic Chemistry*, **2019**, 2019, 1457-1475	2.3	8
56	Facile Synthesis of Amphiphilic Fluorescent Phosphorus Dendron-Based Micelles as Antiproliferative Agents: First Investigations. *Bioconjugate Chemistry*, **2021**, 32, 339-349	6.3	8
55	Phosphorus dendrimers functionalised with nitrogen ligands, for catalysis and biology. *Dalton Transactions*, **2019**, 48, 7483-7493	4.3	7
54	In Search of a Phosphorus Dendrimer-Based Carrier of Rose Bengal: Tyramine Linker Limits Fluorescent and Phototoxic Properties of a Photosensitizer. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
53	Interfacial complexation driven three-dimensional assembly of cationic phosphorus dendrimers and graphene oxide sheets. *Nanoscale Advances*, **2019**, 1, 314-321	5.1	7

52	Chemoselektive Polyalkylierungen phosphorhaltiger Dendrimere. *Angewandte Chemie*, **1997**, 109, 613-617	3.6	7
51	Pseudo-halogen behavior of thiophosphoryl azides as a tool for the functionalization of phosphorus macrocycles. *Tetrahedron Letters*, **2003**, 44, 7007-7010	2	7
50	Tricoordinated phosphorus-containing macrocycles: New synthetic strategies. *Heteroatom Chemistry*, **1995**, 6, 313-318	1.2	7
49	Polyazaphosphorus macrocycles: Synthesis, reactivity, complexation. *Heteroatom Chemistry*, **1991**, 2, 45-54	1.2	7
48	Heterocycles contenant du phosphore. XXV - synthese et etude physicochimique de quelques perhydro tetrazaphosphorines-1,2,4,5,3 et de quelques analogues polycycliques.. *Tetrahedron Letters*, **1975**, 16, 1481-1484	2	7
47	Synthesis and characterization of phosphorus-containing dendrimers bearing rhodamine derivatives as terminal groups. *Arkivoc*, **2010**, 2010, 318-327	0.9	7
46	Phosphorus dendrimers as powerful nanoplatforms for drug delivery, as fluorescent probes and for liposome interaction studies: A concise overview. *European Journal of Medicinal Chemistry*, **2020**, 208, 112788	6.8	7
45	Recoverable Dendritic Phase-Transfer Catalysts that Contain (+)-Cinchonine-Derived Ammonium Salts. *ChemCatChem*, **2016**, 8, 2049-2056	5.2	7
44	Dendrimer for Templating the Growth of Porous Catechol-Coordinated Titanium Dioxide Frameworks: Toward Hemocompatible Nanomaterials. *ACS Applied Nano Materials*, **2019**, 2, 2979-2990	5.6	6
43	(+)-Cinchonine-Decorated Dendrimers as Recoverable Organocatalysts. *ChemCatChem*, **2015**, 7, 2698-2704	3.8	6
42	Synthesis and Characterization of Phosphorus Dendrimers Containing Long, Conjugated Branches. *European Journal of Organic Chemistry*, **2005**, 2005, 1340-1347	3.2	6
41	From Riluzole to Dexpramipexole via Substituted-Benzothiazole Derivatives for Amyotrophic Lateral Sclerosis Disease Treatment: Case Studies. *Molecules*, **2020**, 25,	4.8	6
40	First-in-class and best-in-class dendrimer nanoplatforms from concept to clinic: Lessons learned moving forward. *European Journal of Medicinal Chemistry*, **2021**, 219, 113456	6.8	6
39	BF2 complexes of 1,3-diketones on the surface of phosphorus dendrimers: synthesis and study of the photoluminescence properties. *Canadian Journal of Chemistry*, **2017**, 95, 948-953	0.9	5
38	Fluorescent phosphorus dendrimers excited by two photons: synthesis, two-photon absorption properties and biological uses. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 2287-2303	2.5	5
37	Urea-assisted cooperative assembly of phosphorus dendrimer–zinc oxide hybrid nanostructures. *New Journal of Chemistry*, **2019**, 43, 2141-2147	3.6	5
36	Generation Dependent Effects and Entrance to Mitochondria of Hybrid Dendrimers on Normal and Cancer Neuronal Cells In Vitro. *Biomolecules*, **2020**, 10,	5.9	5
35	Hydrogels of Polycationic Acetohydrazone-Modified Phosphorus Dendrimers for Biomedical Applications: Gelation Studies and Nucleic Acid Loading. *Pharmaceutics*, **2018**, 10,	6.4	5

34	Phosphorus dendrimers and dendrons functionalized with the cage ligand tris(1,2-dimethylhydrazino)diphosphane. *Heteroatom Chemistry*, **2010**, 21, 290-297	1.2	5
33	Synthesis of dendrimers with phosphine end groups at each generation. *Journal of Organometallic Chemistry*, **2002**, 643-644, 112-124	2.3	5
32	Molecular Modeling, a Tool for Predicting Structural Effects on the Macrocyclization Reaction between Bis(vinyl or allyl) Dialdehydes and Thiophosphonic Bis(hydrazides). *Chemische Berichte*, **1995**, 128, 443-447		5
31	Synthesis and reactivity of small phosphorus-containing dendritic wedges (dendrons). *Arkivoc*, **2005** , 2002, 151-160	0.9	5
30	Safe Polycationic Dendrimers as Potent Oral In Vivo Inhibitors of : A New Therapy to Take Down Tuberculosis. *Biomacromolecules*, **2021**, 22, 2659-2675	6.9	5
29	Multivalent Copper(II)-Conjugated Phosphorus Dendrimers with Noteworthy and Antitumor Activities: A Concise Overview. *Molecular Pharmaceutics*, **2021**, 18, 65-73	5.6	5
28	Clinical diagonal translation of nanoparticles: Case studies in dendrimer nanomedicine. *Journal of Controlled Release*, **2021**, 337, 356-370	11.7	5
27	Symmetrical and unsymmetrical incorporation of active biological monomers on the surface of phosphorus dendrimers. *Tetrahedron*, **2017**, 73, 1331-1341	2.4	4
26	Synthesis of dissymmetric phosphorus dendrimers using an unusual protecting group. *New Journal of Chemistry*, **2018**, 42, 8985-8991	3.6	4
25	Multiplexing technology for in vitro diagnosis of pathogens: the key contribution of phosphorus dendrimers. *Science China Materials*, **2018**, 61, 1454-1461	7.1	4
24	Supermolecular columnar liquid-crystalline phosphorus dendrimers decorated with sulfonamide derivatives. *Chemistry - A European Journal*, **2014**, 20, 17047-58	4.8	4
23	Design of phosphonium ended dendrimers bearing functionalized amines. *Tetrahedron Letters*, **2009**, 50, 4870-4873	2	4
22	Customized multiphotonics nanotools for bioapplications: soft organic nanodots as an eco-friendly alternative to quantum dots **2009**,		4
21	Synthese, Struktur und Reaktivit stabiler PN-Heterocyclen mit zwei und sechs Methylen-amin-Einheiten: [H2C?N?N(Me)]2P(S)(Ph) und [H2C?N?N(Me)]6P3N3. *Angewandte Chemie*, **1993**, 105, 1508-1510	3.6	4
20	Design, complexing and catalytic properties of phosphorus thiazoles and benzothiazoles: a concise overview. *New Journal of Chemistry*, **2019**, 43, 16785-16795	3.6	4
19	Dendritic Macromolecular Architectures: Dendrimer-Based Polyion Complex Micelles. *Biomacromolecules*, **2021**, 22, 262-274	6.9	4
18	Cooperative TPA enhancement via through-space interactions in organic nanodots built from dipolar chromophores **2010**,		3
17	Phosphorus-Containing N-Methyleneamine Type Compounds: Synthesis, Structure, and Reactivity. *Inorganic Chemistry*, **1994**, 33, 6351-6356	5.1	3

16	ATTEMPTED SYNTHESIS OF PHOSPHORUS CRYPTANDS. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1991**, 56, 123-127	1	3
15	Dendriplex-Impregnated Hydrogels With Programmed Release Rate.. *Frontiers in Chemistry*, **2021**, 9, 780608	5	3
14	Copper complexes of phosphorus dendrimers and their properties. *Inorganica Chimica Acta*, **2021**, 517, 120212	2.7	3
13	Thiazoyl phosphines. Design, reactivity, and complexation. *Dalton Transactions*, **2016**, 45, 9695-703	4.3	3
12	Layer-by-layer self-assembly of bisdendrons: An unprecedented route to multilayer thin films. *Macromolecular Research*, **2016**, 24, 851-855	1.9	3
11	Functionalized Dendrimer Platforms as a New Forefront Arsenal Targeting SARS-CoV-2: An Opportunity. *Pharmaceutics*, **2021**, 13,	6.4	3
10	Morpholino-functionalized phosphorus dendrimers for precision regenerative medicine: osteogenic differentiation of mesenchymal stem cells. *Nanoscale*, **2019**, 11, 17230-17234	7.7	2
9	Engineering CNDPs of dendrimers containing phosphorous interior compositions to produce new emerging properties. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	2
8	Complexation properties of polyazaphosphorus macrocycles. *Inorganica Chimica Acta*, **1996**, 246, 47-52	2.7	2
7	Hybrid phosphorus viologen dendrimers as new soft nanoparticles: design and properties. *Organic Chemistry Frontiers*, **2021**, 8, 4607-4622	5.2	2
6	In Vitro Validation of the Therapeutic Potential of Dendrimer-Based Nanoformulations against Tumor Stem Cells. *International Journal of Molecular Sciences*, **2022**, 23, 5691	6.3	2
5	Versatile Reactivity of Cyclic 1,2-Dimethylhydrazinodiphosphines. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2017**, 643, 903-908	1.3	1
4	First-in-Class Anti-Cancer Nanoparticle Copper(Ii) Phosphorus Dendrimers as Pro-Apoptotic Bax Activators **2018**, 245-264		1
3	Phosphorus dendron nanomicelles as a platform for combination anti-inflammatory and antioxidative therapy of acute lung injury.. *Theranostics*, **2022**, 12, 3407-3419	12.1	1
2	Impact of molecular rigidity on the gene delivery efficiency of core-shell tecto dendrimers. *Journal of Materials Chemistry B*, **2021**, 9, 6149-6154	7.3	0
1	Engineered phosphorus dendrimers as powerful non-viral nanoplatforms for gene delivery: a great hope for the future of cancer therapeutics. *Exploration of Targeted Anti-tumor Therapy*,50-61	2.5	0