

Paula Ortega Lopez

List of Publications by Citations

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55
papers

1,235
citations

19
h-index

33
g-index

58
ext. papers

1,389
ext. citations

4.6
avg, IF

4.11
L-index

#	Paper	IF	Citations
55	Characterization of carbosilane dendrimers as effective carriers of siRNA to HIV-infected lymphocytes. <i>Journal of Controlled Release</i> , 2008 , 132, 55-64	11.7	141
54	Water-soluble carbosilane dendrimers: synthesis biocompatibility and complexation with oligonucleotides; evaluation for medical applications. <i>Chemistry - A European Journal</i> , 2007 , 13, 483-95	4.8	137
53	Amine and ammonium functionalization of chloromethylsilane-ended dendrimers. Antimicrobial activity studies. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 3264-9	3.9	61
52	Novel Water-Soluble Carbosilane Dendrimers: Synthesis and Biocompatibility. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 1388-1396	2.3	58
51	Highly efficient transfection of rat cortical neurons using carbosilane dendrimers unveils a neuroprotective role for HIF-1alpha in early chemical hypoxia-mediated neurotoxicity. <i>Pharmaceutical Research</i> , 2009 , 26, 1181-91	4.5	56
50	Nanosystems as Vehicles for the Delivery of Antimicrobial Peptides (AMPs). <i>Pharmaceutics</i> , 2019 , 11,	6.4	55
49	Hyperbranched polymers versus dendrimers containing a carbosilane framework and terminal ammonium groups as antimicrobial agents. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5238-48	3.9	53
48	Carbosilane dendrimers to transfect human astrocytes with small interfering RNA targeting human immunodeficiency virus. <i>BioDrugs</i> , 2010 , 24, 331-43	7.9	53
47	Water-soluble carbosilane dendrimers protect phosphorothioate oligonucleotides from binding to serum proteins. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 1886-93	3.9	52
46	Analysis of interaction between dendriplexes and bovine serum albumin. <i>Biomacromolecules</i> , 2007 , 8, 2059-62	6.9	44
45	Gene therapy in HIV-infected cells to decrease viral impact by using an alternative delivery method. <i>ChemMedChem</i> , 2010 , 5, 921-9	3.7	42
44	Synthesis of carbosilane dendrons and dendrimers derived from 1,3,5-trihydroxybenzene. <i>Tetrahedron</i> , 2010 , 66, 9203-9213	2.4	39
43	Carbosilane dendrimers are a non-viral delivery system for antisense oligonucleotides: characterization of dendriplexes. <i>Journal of Biomedical Nanotechnology</i> , 2012 , 8, 57-73	4	32
42	Carbosilane dendrimers NN8 and NN16 form a stable complex with siGAG1. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 83, 388-91	6	31
41	Changes in gene expression pattern of human primary macrophages induced by carbosilane dendrimer 2G-NN16. <i>Pharmaceutical Research</i> , 2009 , 26, 577-86	4.5	30
40	Carbosilane metallodendrimers based on copper (II) complexes: Synthesis, EPR characterization and anticancer activity. <i>Journal of Inorganic Biochemistry</i> , 2017 , 177, 211-218	4.2	26
39	Synthesis of Aryloxo Cyclopentadienyl Group 4 Metal-Containing Dendrimers. <i>Organometallics</i> , 2003 , 22, 5109-5113	3.8	22

38	Synthesis, characterization and antibacterial behavior of water-soluble carbosilane dendrons containing ferrocene at the focal point. <i>Dalton Transactions</i> , 2015 , 44, 19294-304	4.3	20
37	Carbosilane Dendron-Peptide Nanoconjugates as Antimicrobial Agents. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2661-2674	5.6	19
36	Binding properties of water-soluble carbosilane dendrimers. <i>Journal of Fluorescence</i> , 2009 , 19, 267-75	2.4	19
35	Insight into the antitumor activity of carbosilane Cu(ii)-metallo-dendrimers through their interaction with biological membrane models. <i>Nanoscale</i> , 2019 , 11, 13330-13342	7.7	18
34	Synthesis and Characterization of FITC Labelled Ruthenium Dendrimer as a Prospective Anticancer Drug. <i>Biomolecules</i> , 2019 , 9,	5.9	13
33	In Vitro Anticancer Properties of Copper Metallo-dendrimers. <i>Biomolecules</i> , 2019 , 9,	5.9	12
32	Exploring the Interactions of Ruthenium (II) Carbosilane Metallo-dendrimers and Precursors with Model Cell Membranes through a Dual Spin-Label Spin-Probe Technique Using EPR. <i>Biomolecules</i> , 2019 , 9,	5.9	12
31	Copper (II) Metallo-dendrimers Combined with Pro-Apoptotic siRNAs as a Promising Strategy Against Breast Cancer Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	12
30	Antibacterial Effect of Carbosilane Metallo-dendrimers in Planktonic Cells of Gram-Positive and Gram-Negative Bacteria and Biofilm. <i>Biomolecules</i> , 2019 , 9,	5.9	11
29	Metallo-dendrimers as a promising tool in the biomedical field: An overview. <i>Advances in Organometallic Chemistry</i> , 2020 , 1-52	3.8	11
28	Polyphenolic carbosilane dendrimers as anticancer agents against prostate cancer. <i>New Journal of Chemistry</i> , 2016 , 40, 10488-10497	3.6	10
27	Study of cationic carbosilane dendrimers as potential activating stimuli in macrophages. <i>RSC Advances</i> , 2013 , 3, 23445	3.7	10
26	Globular carbosilane dendrimers with mannose groups at the periphery: synthesis, characterization and toxicity in dendritic cells. <i>Tetrahedron</i> , 2010 , 66, 3326-3331	2.4	10
25	Bifunctional chelating agents based on ionic carbosilane dendrons with DO3A at the focal point and their complexation behavior with copper(II). <i>Inorganic Chemistry</i> , 2015 , 54, 8943-56	5.1	9
24	Alkali-Metal Compounds with Bio-Based Ligands as Catalysts for Isoselective Lactide Polymerization: Influence of the Catalyst Aggregation on the Polymerization Control. <i>Organometallics</i> , 2020 , 39, 2278-2286	3.8	9
23	Synthesis of chiral carbosilane dendrimers with L-cysteine and N-acetyl-L-cysteine on their surface and their application as chiral selectors for enantiomer separation by capillary electrophoresis. <i>Tetrahedron: Asymmetry</i> , 2017 , 28, 1797-1802		9
22	New hyperbranched carbosiloxane-carbosilane polymers with aromatic units in the backbone. <i>European Polymer Journal</i> , 2012 , 48, 1413-1421	5.2	9
21	Synthesis of polymetallic Group 4 complexes bridged by benzenediolate and triolate ligands. X-ray crystal structure of $[\{Ti(C_5Me_5)Cl_2\}_2\{\eta^1,4-O(2,3-C_6H_2Me_2)O\}]$. <i>Journal of Organometallic Chemistry</i> , 2003 , 681, 228-236	2.3	9

20	Antioxidant and Antibacterial Properties of Carbosilane Dendrimers Functionalized with Polyphenolic Moieties. <i>Pharmaceutics</i> , 2020 , 12,	6.4	8
19	Binding of poly(amidoamine), carbosilane, phosphorus and hybrid dendrimers to thrombin-Constants and mechanisms. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 155, 11-16	6	7
18	Ruthenium Dendrimers against Human Lymphoblastic Leukemia 1301 Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
17	New bow-tie cationic carbosilane dendritic system with a curcumin core as an anti-breast cancer agent. <i>New Journal of Chemistry</i> , 2018 , 42, 11732-11738	3.6	7
16	Carbosilane dendrimers peripherally functionalized with dansyl fluorescence tags and their cellular internalization studies. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3079	3.9	7
15	Synthesis of new amphiphilic water-stable hyperbranched polycarbosilane polymers. <i>Polymer International</i> , 2014 , 63, 1311-1323	3.3	6
14	Cyclopentadienyl ruthenium(II) carbosilane metallodendrimers as a promising treatment against advanced prostate cancer. <i>European Journal of Medicinal Chemistry</i> , 2020 , 199, 112414	6.8	6
13	Thiol ended carbosilane dendrimers. A multivalent platform for the binding of molecules of biological interest. <i>Tetrahedron Letters</i> , 2015 , 56, 5299-5302	2	5
12	Cationic Carbosilane Dendritic Systems as Promising Anti-Amyloid Agents in Type 2 Diabetes. <i>Chemistry - A European Journal</i> , 2020 , 26, 7609-7621	4.8	5
11	Heterofunctional ruthenium(II) carbosilane dendrons, a new class of dendritic molecules to fight against prostate cancer. <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112695	6.8	3
10	Synthesis and structural characterization of carbosilane ruthenium(II) metallodendrons containing cymene units. <i>Journal of Organometallic Chemistry</i> , 2019 , 901, 120942	2.3	3
9	Combination of Ruthenium Dendrimers and Acoustically Propelled Gold Nanowires as a Platform for Active Intracellular Drug Delivery Towards Breast Cancer Therapy. <i>Clinical Oncology and Research</i> , 2019 , 1-5	0.9	3
8	Cationic Carbosilane Dendrimers Prevent Abnormal β Synuclein Accumulation in Parkinson's Disease Patient-Specific Dopamine Neurons. <i>Biomacromolecules</i> , 2021 , 22, 4582-4591	6.9	3
7	Effect of the Combination of Levofloxacin with Cationic Carbosilane Dendron and Peptide in the Prevention and Treatment of Biofilms. <i>Polymers</i> , 2021 , 13,	4.5	3
6	Dendronized PLGA nanoparticles with anionic carbosilane dendrons as antiviral agents against HIV infection. <i>RSC Advances</i> , 2016 , 6, 73817-73826	3.7	3
5	Combined therapy of ruthenium dendrimers and anti-cancer drugs against human leukemic cells. <i>Dalton Transactions</i> , 2021 , 50, 9500-9511	4.3	3
4	Eradication of Biofilm Viability: In Vitro Combination Therapy of Cationic Carbosilane Dendrons Derived from 4-Phenylbutyric Acid with AgNO and EDTA. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	2
3	Inside Cover: Gene Therapy in HIV-Infected Cells to Decrease Viral Impact by Using an Alternative Delivery Method (ChemMedChem 6/2010). <i>ChemMedChem</i> , 2010 , 5, 798-798	3.7	0

- 2 Heterofunctional carbosilane polyphenolic dendrons: new antioxidants platforms.. *RSC Advances*, **2022**, 12, 10280-10288 3.7 ○
- 1 Dendrimers in RNAi Delivery **2013**, 163-185