

Javier SÃ¡nchez-Nieves

List of Publications by Year in descending order

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74
papers

1,735
citations

279487

23
h-index

329751

37
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74
all docs

74
docs citations

74
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo delivery of siRNA to the brain by carbosilane dendrimer. <i>Journal of Controlled Release</i> , 2015, 200, 60-70.	4.8	98
2	Oxo and imido/imido exchange and C-H activation reactions based on pentamethylcyclopentadienyl imido tantalum complexes. <i>Journal of Organometallic Chemistry</i> , 2000, 597, 61-68.	0.8	85
3	Carbosilane cationic dendrimers synthesized by thiol-ene click chemistry and their use as antibacterial agents. <i>RSC Advances</i> , 2014, 4, 1256-1265.	1.7	73
4	Insertion of CO and CNR into Tantalum-Methyl Bonds of Imido(pentamethylcyclopentadienyl)tantalum Complexes. X-ray Crystal Structures of [TaCp*(NR)Me(η -2-C(Me)NR)] and [TaCp*Cl(O)(η -2-C(Me)NR)] (R =) <i>TJ ETQqD10 0 rgBT4/Overlock</i>	0.0	0
5	A Thermally Stable and Sterically Unprotected Terminal Electrophilic Phosphinidene Complex of Cobalt and Its Conversion to an η -1-Phosphirene. <i>Journal of the American Chemical Society</i> , 2003, 125, 2404-2405.	6.6	63
6	Hyperbranched polymers versus dendrimers containing a carbosilane framework and terminal ammonium groups as antimicrobial agents. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5238.	1.5	59
7	Novel Water-Soluble Mucoadhesive Carbosilane Dendrimers for Ocular Administration. <i>Molecular Pharmaceutics</i> , 2016, 13, 2966-2976.	2.3	50
8	Insertion of Isocyanides into Tantalum-Methyl and Tantalum-Amido Bonds. <i>Organometallics</i> , 2000, 19, 3161-3169.	1.1	48
9	Thiol-Ene Synthesis of Cationic Carbosilane Dendrons: a New Family of Synthons. <i>Organometallics</i> , 2013, 32, 1789-1796.	1.1	47
10	Synthesis, structure and molecular modelling of anionic carbosilane dendrimers. <i>Dalton Transactions</i> , 2012, 41, 12733.	1.6	45
11	Structure-activity relationship study of cationic carbosilane dendritic systems as antibacterial agents. <i>RSC Advances</i> , 2016, 6, 7022-7033.	1.7	45
12	Antibacterial and antifungal properties of dendronized silver and gold nanoparticles with cationic carbosilane dendrons. <i>International Journal of Pharmaceutics</i> , 2017, 528, 55-61.	2.6	45
13	Mesoporous Silica Nanoparticles Decorated with Carbosilane Dendrons as New Non-viral Oligonucleotide Delivery Carriers. <i>Chemistry - A European Journal</i> , 2015, 21, 15651-15666.	1.7	44
14	Synthesis of carbosilane dendrons and dendrimers derived from 1,3,5-trihydroxybenzene. <i>Tetrahedron</i> , 2010, 66, 9203-9213.	1.0	43
15	Novel η -Si carbosilane dendrimers as carriers for anti-HIV nucleic acids: Studies on complexation and interaction with blood cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 183-189.	2.5	40
16	Dendronized Anionic Gold Nanoparticles: Synthesis, Characterization, and Antiviral Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 2987-2999.	1.7	40
17	In vitro anti- <i>Acanthamoeba</i> synergistic effect of chlorhexidine and cationic carbosilane dendrimers against both trophozoite and cyst forms. <i>International Journal of Pharmaceutics</i> , 2016, 509, 1-7.	2.6	37
18	Amphiphilic Cationic Carbosilane-PEG Dendrimers: Synthesis and Applications in Gene Therapy. <i>European Journal of Medicinal Chemistry</i> , 2014, 76, 43-52.	2.6	35

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19	Reactivity of Terminal Electrophilic Phosphinidene Complexes: Synthesis of the First Rhenium Phosphinidene, $[\text{Re}(\text{CO})_5(\eta^1\text{-P}(\text{NiPr}_2))][\text{AlCl}_4]$, and Novel Reactions with Azobenzene. <i>Organometallics</i> , 2005, 24, 2023-2026.	1.1	33
20	PEGylated AgNP covered with cationic carbosilane dendrons to enhance antibacterial and inhibition of biofilm properties. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118591.	2.6	28
21	Trapping Unstable Terminal Ta η^5 O Multiple Bonds of Monocyclopentadienyl Tantalum Complexes with a Lewis Acid. <i>Organometallics</i> , 2005, 24, 2004-2007.	1.1	27
22	Gold nanoparticles stabilized by cationic carbosilane dendrons: synthesis and biological properties. <i>Dalton Transactions</i> , 2017, 46, 8736-8745.	1.6	25
23	Syntheses of new ruthenium clusters containing sulfur, vinyl and diyne ligands. Crystal structures of $[\text{Ru}_3(\text{CO})_9(\eta^3\text{-S}(\text{CSiMe}_3)(\eta^3\text{-C}(\text{CSiMe}_3)))]$, $[\text{Ru}_4(\text{CO})_{12}(\eta^4\text{-S})(\eta^3\text{-C}(\text{CSiMe}_3)_2)]$ and		

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37	Biophysical Characterization of Glycodendrimers As Nano-carriers for HIV Peptides. <i>Current Medicinal Chemistry</i> , 2013, 20, 3935-3943.	1.2	17
38	Mono- and Dinuclear Cyclopentadienylsiloxo Titanium Complexes: Synthesis, Reactivity, and Catalytic Polymerization Applications. <i>Organometallics</i> , 2008, 27, 5588-5597.	1.1	16
39	The Antibacterial Effect of PEGylated Carbosilane Dendrimers on <i>P. aeruginosa</i> Alone and in Combination with Phage-Derived Endolysin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1873.	1.8	16
40	Aryl-imido niobium complexes with chloro-silyl and aryl- $\hat{\imath}$ -amidosilyl cyclopentadienyl ligands: X-ray structure of the constrained-geometry compound $[\text{Nb}(\hat{\imath}\text{-}5\text{-C}_5\text{H}_4\text{SiMe}_2\text{-}\hat{\imath}\text{-}1\text{-NAr})(\text{NAr})\text{Cl}]$ (Ar=2,6-Me ₂ C ₆ H ₃). <i>Polyhedron</i> , 2005, 24, 1274-1279.	1.0	15
41	Synthesis of the Cation Complex $[\text{TaCp}^*\text{Me}_3]^+$ and a Comparison of Its Reactivity with That of $[\text{TaCp}^*\text{Me}_4]$. <i>Organometallics</i> , 2006, 25, 2331-2336.	1.1	15
42	Synthesis of Neutral and Cationic Monocyclopentadienyl Tantalum Alkoxo Complexes and Polymerization of Methyl Methacrylate. <i>Organometallics</i> , 2007, 26, 2880-2884.	1.1	15
43	Improved Efficiency of Ibuprofen by Cationic Carbosilane Dendritic Conjugates. <i>Molecular Pharmaceutics</i> , 2016, 13, 3427-3438.	2.3	15
44	Evaluation of dendronized gold nanoparticles as siRNAs carriers into cancer cells. <i>Journal of Molecular Liquids</i> , 2021, 324, 114726.	2.3	15
45	Anticancer Activity of Dendriplexes against Advanced Prostate Cancer from Protumoral Peptides and Cationic Carbosilane Dendrimers. <i>Biomacromolecules</i> , 2019, 20, 1224-1234.	2.6	14
46	Functionalization of silica with amine and ammonium alkyl chains, dendrons and dendrimers: Synthesis and antibacterial properties. <i>Materials Science and Engineering C</i> , 2020, 109, 110526.	3.8	14
47	Insertion of carbon dioxide and isocyanide into tantalum- $\hat{\imath}$ -amide and tantalum- $\hat{\imath}$ -methyl bonds. <i>Journal of Organometallic Chemistry</i> , 2001, 621, 299-303.	0.8	13
48	Synthesis and fluorescent properties of cationic carbosilane dendrimers containing eugenol linkers for their use in biomedical applications. <i>New Journal of Chemistry</i> , 2012, 36, 360-370.	1.4	12
49	Bacteria capture with magnetic nanoparticles modified with cationic carbosilane dendritic systems. <i>Materials Science and Engineering C</i> , 2022, 133, 112622.	3.8	12
50	Trapping Unstable Terminal M^{\sim}O Multiple Bonds of Monocyclopentadienyl Niobium and Tantalum Complexes with Lewis Acids. <i>Inorganic Chemistry</i> , 2010, 49, 10642-10648.	1.9	11
51	Synthesis and transformations of 60-, 62-, and 64-electron $\text{Co}_4(\text{CO})_x(\text{PNR}_2)_2$ ($x = 8, 9, 10$) clusters. <i>Canadian Journal of Chemistry</i> , 2004, 82, 1507-1516.	0.6	10
52	Study of cationic carbosilane dendrimers as potential activating stimuli in macrophages. <i>RSC Advances</i> , 2013, 3, 23445.	1.7	10
53	Dendronization of gold nanoparticles decreases their effect on human alpha-1-microglobulin. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 936-941.	3.6	10
54	Strategies for penicillin V dendronization with cationic carbosilane dendrons and study of antibacterial properties. <i>Canadian Journal of Chemistry</i> , 2017, 95, 927-934.	0.6	9

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55	Effect of PEGylation on the biological properties of cationic carboxilane dendronized gold nanoparticles. <i>International Journal of Pharmaceutics</i> , 2020, 573, 118867.	2.6	9
56	PEGylation of dendronized silver nanoparticles increases the binding affinity of antimicrobial proteins. <i>Journal of Molecular Liquids</i> , 2020, 319, 114339.	2.3	9
57	Gold nanoparticles coated with carboxilane dendrons in protein sample preparation. <i>Mikrochimica Acta</i> , 2019, 186, 508.	2.5	8
58	Immobilization of thermolysin enzyme on dendronized silica supports. Evaluation of its feasibility on multiple protein hydrolysis cycles. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2338-2348.	3.6	8
59	PEGylation of Dendronized Gold Nanoparticles Affects Their Interaction with Thrombin and siRNA. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1196-1206.	1.2	8
60	CHAPTER 5. Poly(carboxilane) Dendrimers and Other Silicon-containing Dendrimers. <i>Monographs in Supramolecular Chemistry</i> , 2020, , 114-145.	0.2	8
61	The formation of mixed metal aminophosphinidene clusters via reactions of terminal chloroaminophosphido complexes with Co ₂ (CO) ₈ . <i>Canadian Journal of Chemistry</i> , 2003, 81, 1149-1156.	0.6	7
62	Study of non-covalent interactions on dendriplex formation: Influence of hydrophobic, electrostatic and hydrogen bonds interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 380-388.	2.5	7
63	Triazine- <i>Carboxilane Dendrimersomes Enhance Cellular Uptake and Phototoxic Activity of Rose Bengal in Basal Cell Skin Carcinoma Cells.</i> <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 1139-1154.	3.3	7
64	The Synthesis and Reactivity of New $\hat{2}$ - and $\hat{3}$ -Aminophosphinidene Cobalt Complexes. <i>Journal of Cluster Science</i> , 2004, 15, 151-162.	1.7	6
65	Synthesis and reactivity of imido niobium complexes containing the functionalized (dichloromethylsilyl)cyclopentadienyl ligand. <i>Inorganica Chimica Acta</i> , 2007, 360, 1305-1309.	1.2	6
66	Synthesis and Reactivity of Oxametallacyclic Niobium Compounds by Using $\hat{1},\hat{2}$ -Unsaturated Carbonyl Ligands. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2313-2320.	1.0	6
67	Dinuclear Dicyclopentadienyl Titanium Complexes with Bridging Cyclopentadienylsiloxo Ligands. <i>Organometallics</i> , 2010, 29, 642-655.	1.1	6
68	Feasibility of cationic carboxilane dendrimers for sustainable protein sample preparation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110746.	2.5	6
69	Dendritic Nanotheranostic for the Delivery of Infliximab: A Potential Carrier in Rheumatoid Arthritis Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9101.	1.8	6
70	New synthetic procedure for the antiviral sulfonate carboxilane dendrimer G2-S16 and its fluorescein-labelled derivative for biological studies. <i>RSC Advances</i> , 2020, 10, 20083-20088.	1.7	6
71	Synthesis of neutral and cationic monocyclopentadienyl alkyl niobium and tantalum complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2469-2473.	0.8	5
72	Synthesis of degradable cationic carboxilane dendrimers based on Si-O or ester bonds. <i>Tetrahedron</i> , 2016, 72, 5825-5830.	1.0	5

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73	Hexacarbonyldicobalt addition across the C≡C bond of the alkynethiolate ligand in the cluster $[\text{Ru}_3(\mu_3\text{-C}\equiv\text{CSiMe}_3)(\mu_4\text{-SC}\equiv\text{CSiMe}_3)(\text{CO})_9]$. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, m207-m209.	0.2	4
74	Cationic Dendritic Systems as Non-viral Vehicles for Gene Delivery Applications. RSC Polymer Chemistry Series, 2014, , 321-355.	0.1	1