

Catia Ornelas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81 papers	5,290 citations	31 h-index	72 g-index
93 ext. papers	5,622 ext. citations	6.9 avg, IF	5.98 L-index

#	Paper	IF	Citations
81	Ferrocene-based dendritic macromolecules as efficient supports in nanocatalysis. <i>Polymer</i> , 2022 , 246, 124714	3.9	0
80	Fluorescent Imidazo[1,2-a]pyrimidine Compounds as Biocompatible Organic Photosensitizers that Generate Singlet Oxygen: A Potential Tool for Phototheranostics. <i>Chemistry - A European Journal</i> , 2021 , 27, 6213-6222	4.8	3
79	Self-Assembly of a Triazolylferrocenyl Dendrimer in Water Yields Nontraditional Intrinsic Green Fluorescent Vesosomes for Nanotheranostic Applications. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12948-12954	16.4	5
78	Hybrids of 4-hydroxy derivatives of goniothalamine and piplartine bearing a diester or a 1,2,3-triazole linker as antiproliferative agents. <i>Bioorganic Chemistry</i> , 2021 , 116, 105292	5.1	0
77	Methodology for functionalization of water oxidation catalyst IrO nanoparticles with hydrophobic and multi-functionalized chromophores. <i>Chemical Communications</i> , 2021 , 57, 7398-7401	5.8	1
76	Enhancing the Anticancer Activity and Selectivity of Goniothalamine Using pH-Sensitive Acetalated Dextran (Ac-Dex) Nanoparticles: A Promising Platform for Delivery of Natural Compounds. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 2929-2942	5.5	9
75	Synthesis, characterization, and anticancer activity of folate ferrocenyl conjugates. <i>New Journal of Chemistry</i> , 2020 , 44, 4694-4703	3.6	5
74	Nitric Oxide Releasing Polyamide Dendrimer with Anti-inflammatory Activity. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2027-2034	4.3	9
73	Hybrid 3,4-dihydropyrimidin-2-(thi)ones as dual-functional bioactive molecules: fluorescent probes and cytotoxic agents to cancer cells. <i>New Journal of Chemistry</i> , 2020 , 44, 12440-12451	3.6	13
72	Neuropeptide Substance P Released from a Nonswellable Laponite-Based Hydrogel Enhances Wound Healing in a Tissue-Engineered Skin In Vitro. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 5790-5797	4.3	3
71	The structure-property relationship in LAPONITE® materials: from Wigner glasses to strong self-healing hydrogels formed by non-covalent interactions. <i>Soft Matter</i> , 2019 , 15, 1278-1289	3.6	27
70	Biodegradable and pH-Responsive Acetalated Dextran (Ac-Dex) Nanoparticles for NIR Imaging and Controlled Delivery of a Platinum-Based Prodrug into Cancer Cells. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2083-2094	5.6	12
69	Synthesis of Nitrogen-Containing Goniothalamine Analogues with Higher Cytotoxic Activity and Selectivity against Cancer Cells. <i>ChemMedChem</i> , 2019 , 14, 1403-1417	3.7	2
68	Anti-inflammatory activity of polyamide dendrimers bearing bile acid termini synthesized via SPAAC. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	7
67	Fast Microwave-Assisted Synthesis of Green-Fluorescent Carbon Nanodots from Sugarcane Syrup 2019 ,		2
66	"Click" Methodology for the Functionalization of Water Oxidation Catalyst Iridium Oxide Nanoparticles with Hydrophobic Dyes for Artificial Photosynthetic Constructs. <i>Methods in Molecular Biology</i> , 2018 , 1770, 319-334	1.4	
65	, a Family of Super Dendrimers with Specific Properties and Applications. <i>Molecules</i> , 2018 , 23,	4.8	16

64	Soft Nanohydrogels Based on Laponite Nanodiscs: A Versatile Drug Delivery Platform for Theranostics and Drug Cocktails. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21891-21900	9.5	25
63	General Protocol to Obtain D-Glucosamine from Biomass Residues: Shrimp Shells, Cicada Sloughs and Cockroaches. <i>Global Challenges</i> , 2018 , 2, 1800046	4.3	8
62	Olefin Cyclopropanation by Radical Carbene Transfer Reactions Promoted by Cobalt(II)/Porphyrinates: Active-Metal-Template Synthesis of [2]Rotaxanes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8979-8983	16.4	12
61	Olefin Cyclopropanation by Radical Carbene Transfer Reactions Promoted by Cobalt(II)/Porphyrinates: Active-Metal-Template Synthesis of [2]Rotaxanes. <i>Angewandte Chemie</i> , 2018 , 130, 9117-9121	3.6	4
60	Nonswellable Injectable Hydrogels Self-Assembled Through Non-Covalent Interactions. <i>ChemistrySelect</i> , 2017 , 2, 3009-3013	1.8	6
59	Brief Timelapse on Dendrimer Chemistry: Advances, Limitations, and Expectations. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 149-174	2.6	37
58	Terms of endearment: Bacteria meet graphene nanosurfaces. <i>Biomaterials</i> , 2016 , 89, 38-55	15.6	48
57	Click Metallo dendrimers and Their Functions. <i>Synlett</i> , 2015 , 26, 1437-1449	2.2	15
56	Organoiron-mediated synthesis and redox activity of organoiron-containing dendrimers. <i>Polyhedron</i> , 2015 , 86, 24-30	2.7	4
55	Interlocked systems in nanomedicine. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 1236-56	3	9
54	Review: Mixed-valent metallo dendrimers: design and functions. <i>Journal of Coordination Chemistry</i> , 2014 , 67, 3809-3821	1.6	13
53	Dendritic Molecular Nanobatteries and the Contribution of Click Chemistry. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 41-49	3.2	6
52	Visible-light generation of the naked 12-electron fragment C ₅ H ₅ Fe ⁺ : alkyne-to-vinylidene isomerization and synthesis of polynuclear iron vinylidene and alkynyl complexes including hexairon stars. <i>Inorganic Chemistry</i> , 2012 , 51, 119-27	5.1	13
51	Polyphosphonium polymers for siRNA delivery: an efficient and nontoxic alternative to polyammonium carriers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1902-5	16.4	116
50	Aerosolized antimicrobial agents based on degradable dextran nanoparticles loaded with silver carbene complexes. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3012-22	5.6	39
49	Catalysis by Dendrimer-Stabilized and Dendrimer-Encapsulated Late-Transition-Metal Nanoparticles 2012 , 97-122		2
48	Organometallic Dendrimers: Design, Redox Properties and Catalytic Functions. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2012 , 133-149	0.2	
47	Application of ferrocene and its derivatives in cancer research. <i>New Journal of Chemistry</i> , 2011 , 35, 1973	3.6	358

46	Olefin metathesis in nano-sized systems. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 94-103	2.5	20
45	Redox recognition using Click chemistry. <i>Inorganica Chimica Acta</i> , 2011 , 374, 51-58	2.7	5
44	Combining aminocyanine dyes with polyamide dendrons: a promising strategy for imaging in the near-infrared region. <i>Chemistry - A European Journal</i> , 2011 , 17, 3619-29	4.8	52
43	Inside Cover: Combining Aminocyanine Dyes with Polyamide Dendrons: A Promising Strategy for Imaging in the Near-Infrared Region (Chem. Eur. J. 13/2011). <i>Chemistry - A European Journal</i> , 2011 , 17, 3526-3526	4.8	
42	Construction of a well-defined multifunctional dendrimer for theranostics. <i>Organic Letters</i> , 2011 , 13, 976-9	6.2	83
41	How do nitriles compare with isoelectronic alkynyl groups in the electronic communication between iron centers bridged by phenylenebis- and -tris(nitrile) ligands? An electronic and crystal-structure study. <i>Inorganic Chemistry</i> , 2011 , 50, 114-24	5.1	18
40	"Click" synthesis of organo-silicon dendrimers. <i>Main Group Chemistry</i> , 2010 , 9, 87-100	0.6	3
39	Extremely efficient catalysis of carbon-carbon bond formation using "click" dendrimer-stabilized palladium nanoparticles. <i>Molecules</i> , 2010 , 15, 4947-60	4.8	28
38	Strain-promoted alkyne azide cycloaddition for the functionalization of poly(amide)-based dendrons and dendrimers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3923-31	16.4	120
37	Dendrimers designed for functions: from physical, photophysical, and supramolecular properties to applications in sensing, catalysis, molecular electronics, photonics, and nanomedicine. <i>Chemical Reviews</i> , 2010 , 110, 1857-959	68.1	1534
36	Branching the electron-reservoir complex [Fe(eta(5)-C ₅ H ₅)(eta(6)-C ₆ Me ₆)] [PF ₆] onto large dendrimers: "click", amide, and ionic bonds. <i>Inorganic Chemistry</i> , 2010 , 49, 6085-101	5.1	30
35	Encapsulation and stabilization of gold nanoparticles with "click" polyethyleneglycol dendrimers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2729-42	16.4	148
34	Click Polymer-Supported Palladium Nanoparticles as Highly Efficient Catalysts for Olefin Hydrogenation and Suzuki Coupling Reactions under Ambient Conditions. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 2147-2154	5.6	65
33	Dendritic molecular electrochromic batteries based on redox-robust metallocenes. <i>Chemistry - A European Journal</i> , 2009 , 15, 8936-44	4.8	59
32	Electron-transfer mediation on poly-aryl dendrimer-modified electrodes. <i>Electrochemistry Communications</i> , 2009 , 11, 1703-1706	5.1	9
31	Visible-light photolysis of [FeCp(β-toluene)][PF ₆] as a clean, convenient and general route to iron-vinylidene and iron-acetylide complexes. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1219-1222 ²⁻³	2.3	15
30	Giant dendritic molecular electrochrome batteries with ferrocenyl and pentamethylferrocenyl termini. <i>Journal of the American Chemical Society</i> , 2009 , 131, 590-601	16.4	165
29	Dendritic and Ion-Pairing Effects in Oxo-anion Recognition by Giant Alkylferrocenyl Dendrimers. <i>Organometallics</i> , 2009 , 28, 4431-4437	3.8	36

28	Electronic communication between immobilized ferrocenyl-terminated dendrimers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6652-3	16.4	57
27	Construction of well-defined multifunctional dendrimers using a trifunctional core. <i>Chemical Communications</i> , 2009 , 5710-2	5.8	33
26	Giant Cobalticinium Dendrimers. <i>Organometallics</i> , 2009 , 28, 2716-2723	3.8	44
25	Cross olefin metathesis for the selective functionalization, ferrocenylation, and solubilization in water of olefin-terminated dendrimers, polymers, and gold nanoparticles and for a divergent dendrimer construction. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1495-506	16.4	72
24	Correlation between Density Functional Studies and Experimental Data of Three New 19-Electron Metal Sandwich Complexes Containing Amido, Ester, and Thioester Cyclopentadienyl Substituents. <i>Organometallics</i> , 2008 , 27, 3693-3700	3.8	4
23	Visible-light photolytic synthesis of multinuclear and dendritic iron-nitrile cationic complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 4421-8	5.1	14
22	Ferrocenyl-terminated Dendrimers: Design for Applications in Molecular Electronics, Molecular Recognition and Catalysis. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008 , 18, 4-17	3.2	76
21	"Click" dendrimers: synthesis, redox sensing of Pd(OAc) ₂ , and remarkable catalytic hydrogenation activity of precise Pd nanoparticles stabilized by 1,2,3-triazole-containing dendrimers. <i>Chemistry - A European Journal</i> , 2008 , 14, 50-64	4.8	181
20	Four generations of water-soluble dendrimers with 9 to 243 benzoate tethers: synthesis and dendritic effects on their ion pairing with acetylcholine, benzyltriethylammonium, and dopamine in water. <i>Chemistry - A European Journal</i> , 2008 , 14, 5577-87	4.8	47
19	Sulphonated Click Dendrimer-Stabilized Palladium Nanoparticles as Highly Efficient Catalysts for Olefin Hydrogenation and Suzuki Coupling Reactions Under Ambient Conditions in Aqueous Media. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 837-845	5.6	124
18	Metallocenyl dendrimers and their applications in molecular electronics, sensing, and catalysis. <i>Accounts of Chemical Research</i> , 2008 , 41, 841-56	24.3	262
17	New water-soluble polyanionic dendrimers and binding to acetylcholine in water by means of contact ion-pairing interactions. <i>Chemical Communications</i> , 2007 , 5093-5	5.8	30
16	Click assembly of 1,2,3-triazole-linked dendrimers, including ferrocenyl dendrimers, which sense both oxo anions and metal cations. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 872-7	16.4	322
15	"Homeopathic" catalytic activity and atom-leaching mechanism in Miyaura-Suzuki reactions under ambient conditions with precise dendrimer-stabilized Pd nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8644-8	16.4	285
14	Click Assembly of 1,2,3-Triazole-Linked Dendrimers, Including Ferrocenyl Dendrimers, Which Sense Both Oxo Anions and Metal Cations. <i>Angewandte Chemie</i> , 2007 , 119, 890-895	3.6	59
13	Homeopathic Catalytic Activity and Atom-Leaching Mechanism in Miyaura-Suzuki Reactions under Ambient Conditions with Precise Dendrimer-Stabilized Pd Nanoparticles. <i>Angewandte Chemie</i> , 2007 , 119, 8798-8802	3.6	60
12	Catalytically efficient palladium nanoparticles stabilized by "click" ferrocenyl dendrimers. <i>Chemical Communications</i> , 2007 , 4946-8	5.8	92
11	Ruthenium Metallodendrimers Based on Nitrile-Functionalized Poly(alkylidene imine)s. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 47-50	2.3	10

10	From simple monopyridine clusters [Mo ₆ Br ₁₃ (Py-R)][n-Bu ₄ N] and hexapyridine clusters [Mo ₆ X ₈ (Py-R) ₆][OSO ₂ CF ₃] ₄ (X = Br or I) to cluster-cored organometallic stars, dendrons, and dendrimers. <i>Inorganic Chemistry</i> , 2006 , 45, 1156-67	5.1	50
9	A one-pot synthesis of a 243-allyl dendrimer under ambient conditions. <i>Organic Letters</i> , 2006 , 8, 2751-3	6.2	16
8	Synthesis, characterization and crystal structure of the bimetallic cyano-bridged [(η -C ₅ H ₅)(PPh ₃) ₂ Ru(η CN)Ru(PPh ₃) ₂ (η -C ₅ H ₅)] [PF ₆]. <i>Inorganica Chimica Acta</i> , 2005 , 358, 2482-2488	2.7	18
7	Mo ₆ Br ₈ -Cluster-cored organometallic stars and dendrimers. <i>Comptes Rendus Chimie</i> , 2005 , 8, 1789-1797	2.7	28
6	Efficient mono- and bifunctionalization of polyolefin dendrimers by olefin metathesis. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7399-404	16.4	52
5	Efficient Mono- and Bifunctionalization of Polyolefin Dendrimers by Olefin Metathesis. <i>Angewandte Chemie</i> , 2005 , 117, 7565-7570	3.6	3
4	Giant Dendrimer Construction: Hydroboration versus Hydrosilylation as a Growth Strategy. <i>ACS Symposium Series</i> , 2005 , 347-361	0.4	3
3	Organometallic Syntheses of Hexa- and Nonanitrile Ligands and Their Ruthenium Complexes. <i>Organometallics</i> , 2004 , 23, 4271-4276	3.8	11
2	Construction of giant dendrimers using a tripodal building block. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7250-7	16.4	112
1	Water-Soluble Well-Defined Bifunctional Ferrocenyl Dendrimer with Anti-Cancer Activity. <i>European Journal of Inorganic Chemistry</i> ,	2.3	2