

Sonia Merino

List of Publications by Year in descending order

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44
papers

2,457
citations

331259

21
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264894

42
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48
all docs

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docs citations

48
times ranked

4301
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocomposite Hydrogels: 3D Polymer-Nanoparticle Synergies for On-Demand Drug Delivery. <i>ACS Nano</i> , 2015, 9, 4686-4697.	7.3	624
2	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. <i>ACS Nano</i> , 2018, 12, 10582-10620.	7.3	438
3	First Cp* -Functionalized N-Heterocyclic Carbene and Its Coordination to Iridium. Study of the Catalytic Properties. <i>Organometallics</i> , 2008, 27, 1305-1309.	1.1	187
4	Synthesis, Characterization, and Optical Response of Dipolar and Non-Dipolar Poly(phenylenevinylene) Dendrimers. <i>Journal of Organic Chemistry</i> , 2001, 66, 5664-5670.	1.7	112
5	Control of Asymmetry Through Conjugate Addition Reactions. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2051-2061.	1.2	108
6	Graphene Improves the Biocompatibility of Polyacrylamide Hydrogels: 3D Polymeric Scaffolds for Neuronal Growth. <i>Scientific Reports</i> , 2017, 7, 10942.	1.6	87
7	Synthesis and Characterization of Linear, Hyperbranched, and Dendrimer-Like Polymers Constituted of the Same Repeating Unit. <i>Chemistry - A European Journal</i> , 2001, 7, 3095-3105.	1.7	84
8	Dendrimeric Oligo(phenylenevinylene)-Extended Dithieno[3,2-b:2',3'-d]phospholes-Synthesis, Self-Organization, and Optical Properties. <i>Chemistry - A European Journal</i> , 2009, 15, 4135-4145.	1.7	59
9	1,1-(Pyridine-2,6-diyl)bis(3-benzyl-2,3-dihydro-1H-imidazol-2-ylidene), a new multidentate N-heterocyclic biscalbene and its silver(I) complex derivative. <i>Journal of Organometallic Chemistry</i> , 2001, 617-618, 395-398.	0.8	58
10	Smart Hybrid Graphene Hydrogels: A Study of the Different Responses to Mechanical Stretching Stimulus. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1987-1995.	4.0	53
11	1,2,4-Triazole-Based Palladium Pincer Complexes. A New Type of Catalyst for the Heck Reaction. <i>Organometallics</i> , 2003, 22, 4610-4612.	1.1	49
12	Graphene Quantum Dot-Aerogel: From Nanoscopic to Macroscopic Fluorescent Materials. Sensing Polyaromatic Compounds in Water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18192-18201.	4.0	48
13	Efficient, Non-Toxic Hybrid PPV-PAMAM Dendrimer as a Gene Carrier for Neuronal Cells. <i>Biomacromolecules</i> , 2011, 12, 1205-1213.	2.6	47
14	Room Temperature Multifunctional Organophosphorus Gels and Liquid Crystals. <i>Advanced Functional Materials</i> , 2011, 21, 4088-4099.	7.8	42
15	Inhibition of p42 MAPK using a nonviral vector-delivered siRNA potentiates the anti-tumor effect of metformin in prostate cancer cells. <i>Nanomedicine</i> , 2012, 7, 493-506.	1.7	42
16	Dendrimer-mediated siRNA delivery knocks down Beclin 1 and potentiates NMDA-mediated toxicity in rat cortical neurons. <i>Journal of Neurochemistry</i> , 2012, 120, 259-268.	2.1	39
17	Novel Chiral and Achiral NCN Pincer Complexes Based on 1,3-Bis(1H-1,2,4-triazol-1-ylmethyl)benzene. <i>Organometallics</i> , 2003, 22, 541-547.	1.1	38
18	A study on the phase transfer catalysed Michael addition. <i>Tetrahedron</i> , 1998, 54, 1835-1844.	1.0	26

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19	Graphene hybrid materials? The role of graphene materials in the final structure of hydrogels. <i>Nanoscale</i> , 2019, 11, 4822-4830.	2.8	26
20	Synthesis and Photophysical Properties of Donor-Acceptor Dithienophospholes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5225-5231.	1.2	25
21	Regioselectivity and diastereoselectivity in the phase transfer catalysed Michael addition of 2-phenylcyclohexanone. <i>Tetrahedron Letters</i> , 1997, 38, 2359-2362.	0.7	23
22	Physically Cross-Linked Hydrogel Based on Phenyl-1,3,5-triazine: Soft Scaffold with Aggregation-Induced Emission. <i>ACS Macro Letters</i> , 2019, 8, 1391-1395.	2.3	22
23	PPV-PAMAM Hybrid Dendrimers: Self-Assembly and Stabilization of Gold Nanoparticles. <i>Macromolecules</i> , 2013, 46, 7316-7324.	2.2	21
24	Synthesis and characterization of metallodendritic palladium-biscarbene complexes derived from 1,1'-methylenebis(1,2,4-triazole). <i>Dalton Transactions</i> , 2011, 40, 4095.	1.6	20
25	A hexacarbene complex derived from 1,1'-methylenebis(4-butyl-1H-1,2,4-triazolium) diiodide. Synthesis, characterization and catalytic activity. <i>Journal of Organometallic Chemistry</i> , 2002, 660, 50-54.	0.8	19
26	Double Michael addition of azoles to methyl propiolate: a straightforward entry to ligands with two heterocyclic rings. <i>Tetrahedron Letters</i> , 2004, 45, 6937-6939.	0.7	19
27	Unexpected double benzylation of acetophenone under phase transfer catalysis conditions. Acidity or π - π interaction effect?. <i>Tetrahedron</i> , 1997, 53, 3659-3668.	1.0	12
28	Synthesis of palladium-biscarbene complexes derived from 1,1'-methylenebis(1,2,4-triazole) functionalized in the methylene bridge. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5654-5661.	0.8	11
29	Stimuli-responsive graphene-based hydrogel driven by disruption of triazine hydrophobic interactions. <i>Nanoscale</i> , 2020, 12, 7072-7081.	2.8	11
30	On the synthesis of heterocyclic dendrons. <i>Arkivoc</i> , 2005, 2002, 17-25.	0.3	11
31	On the π - π interaction in the benzylation of ketones. <i>Tetrahedron</i> , 1997, 53, 11437-11448.	1.0	10
32	Chelation assistance as a tool for the selective preparation of an imidazole-based mesoionic palladium carbene complex. <i>Chemical Communications</i> , 2014, 50, 15313-15315.	2.2	10
33	On-Demand Hydrophobic Drug Release Based on Microwave-Responsive Graphene Hydrogel Scaffolds. <i>Chemistry - A European Journal</i> , 2020, 26, 17069-17080.	1.7	10
34	Development of Microwave-Assisted Reactions for PAMAM Dendrimer Synthesis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2331-2337.	1.2	8
35	Structural determination by NMR spectroscopy and molecular mechanics of the regio and diastereoisomers obtained in the addition of 2-phenylcyclohexanone to chalcone. <i>Tetrahedron</i> , 1997, 53, 11693-11710.	1.0	5
36	Linear, hyperbranched, and dendrimer-like polymers containing phosphorus: synthesis and properties. <i>Macromolecular Symposia</i> , 2001, 174, 301-306.	0.4	5

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37	Synthesis of dendrimers with phosphine end groups at each generation. <i>Journal of Organometallic Chemistry</i> , 2002, 643-644, 112-124.	0.8	5
38	Magnetically responsive hydrophobic pockets for on/off drug release. <i>Materials Today Chemistry</i> , 2022, 23, 100702.	1.7	5
39	Michael Addition of 2-Phenylcyclohexanone to Chalcone Under Phase-Transfer Catalysis Conditions. <i>ACS Symposium Series</i> , 1997, , 181-189.	0.5	4
40	Synthesis of 1,1'-methylenebis(1,2,4-triazole) functionalized in the methylene bridge. A new approach to dendrons bearing heterocyclic rings on the periphery. <i>Arkivoc</i> , 2005, 2005, 159-164.	0.3	3
41	Swivel-Cruciform Stilbenes Based on Bithiophene. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2394-2404.	1.2	2
42	1,2,4-Triazole-Based Palladium Pincer Complexes. A New Type of Catalyst for the Heck Reaction.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
43	Double Michael Addition of Azoles to Methyl Propiolate: A Straightforward Entry to Ligands with Two Heterocyclic Rings.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
44	Synthesis and polymerization of 2,2'-bithiophenes substituted with π -conjugated arms. <i>Materials Today Communications</i> , 2020, 25, 101424.	0.9	0