

Albert Guijarro

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Exploring the Photocyclization Pathways of Styrylthiophenes in the Synthesis of Thiahelicenes: When the Theory and Experiment Meet. <i>Journal of Organic Chemistry</i> , 2021, 86, 5668-5679.	3.2	5
2	Helical nanostructures for organic electronics: the role of topological sulfur in <i>ad hoc</i> synthesized dithia[7]helicenes studied in the solid state and on a gold surface. <i>Nanoscale Advances</i> , 2020, 2, 1921-1926.	4.6	10
3	Characterization of Main Phase in K _x -Terphenyl and Its Largest Congener K _x poly(<i>p</i> -phenylene): A Report of Their Magnetic and Electric Properties. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5264-5272.	3.1	5
4	Spontaneous disproportionation of lithium biphenyl in solution: a combined experimental and theoretical study. <i>New Journal of Chemistry</i> , 2018, 42, 5168-5177.	2.8	9
5	Density Functional Theory Modeling of Solid-State Nuclear Magnetic Resonances for Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11008-11014.	3.1	0
6	Structural and electronic changes of pentacene induced by potassium doping. <i>Physical Review B</i> , 2017, 95, .	3.2	4
7	3,3,5,5-Tetra- <i>tert</i> -butyl-4,4-diphenylquinone (DPQ)-Air as a New Organic Photocatalytic System: Use in the Oxidative Photocyclization of Stilbenes to Phenacenes. <i>Synlett</i> , 2016, 27, 2783-2787.	1.8	9
8	Herringbone Pattern and CH ⁺ Bonding in the Crystal Architecture of Linear Polycyclic Aromatic Hydrocarbons. <i>ChemPhysChem</i> , 2016, 17, 3548-3557.	2.1	23
9	On the reactivity of naphthalene and biphenyl dianions: tying up loose ends concerning an S _N 2-ET dichotomy in alkylation reactions. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 388-395.	1.9	8
10	Role of potassium orbitals in the metallic behavior of K ₃ picene. <i>Physical Review B</i> , 2014, 90, .	3.2	1
11	Exponential decay of spin-spin correlation between distant defect states produced by contour hydrogenation of polycyclic aromatic hydrocarbon molecules. <i>Physical Review B</i> , 2013, 87, .	3.2	6
12	Spin alignment of extra electrons in K-phenanthrene clusters taken from the crystalline tripotassium-intercalated phenanthrene structure. <i>Physical Review B</i> , 2012, 85, .	3.2	8
13	Concise Total Synthesis and Stereochemical Analysis of Tetraopenerines T3 and T4. <i>Journal of Organic Chemistry</i> , 2012, 77, 10340-10346.	3.2	41
14	On the Nature of Lithium Biphenyl in Ethereal Solvents. A Critical Analysis Unifying DFT Calculations, Physicochemical Data in Solution, and a X-ray Structure. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14610-14616.	2.6	15
15	PPP Hamiltonian for polar polycyclic aromatic hydrocarbons. <i>European Physical Journal B</i> , 2011, 81, 253-262.	1.5	7
16	<i>Ab initio</i> electronic and geometrical structures of tripotassium-intercalated phenanthrene. <i>Physical Review B</i> , 2011, 84, .	3.2	34
17	Crystal structure and electronic states of tripotassium picene. <i>Physical Review B</i> , 2011, 83, .	3.2	45
18	The reaction of biphenyl radical anion and dianion with alkyl fluorides. From ET to S _N 2 reaction pathways and synthetic applications. <i>Tetrahedron</i> , 2009, 65, 10769-10783.	1.9	16

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19	Structural characterization and bonding properties of lithium naphthalene radical anion, $[\text{Li}+(\text{TMEDA})_2][\text{C}_{10}\text{H}_8\dot{\text{E}}^{\text{TM}\hat{\text{a}}}]$, and lithium naphthalene dianion $[(\text{Li}+\text{TMEDA})_2\text{C}_{10}\text{H}_8\hat{\text{a}}^{\text{TM}2}]$. Dalton Transactions, 2009, , 1286.	3.3	32
20	New Modes of Reactivity in the Threshold of the Reduction Potential in Solution. Alkylation of Lithium PAH (Polycyclic Aromatic Hydrocarbon) Dianions by Primary Fluoroalkanes: A Reaction Pathway Complementing the Classical Birch Reductive Alkylation. Chemistry - A European Journal, 2007, 13, 10096-10107.	3.3	28
21	Carbolithiation of Simple Terminal and Strained Internal Alkenes by the Naphthalene and the Biphenyl Dianion: New Modes of Reactivity of Highly Reduced Organic Species in Solution. European Journal of Organic Chemistry, 2007, 2007, 5514-5526.	2.4	24
22	Reductive dearomatization of biphenyl: sequential one-pot regioselective introduction of two different electrophiles. Tetrahedron Letters, 2007, 48, 4105-4109.	1.4	10
23	Reactivity in the upper limits of the reduction potential in solution: arene dianion intermolecular carbolithiation of alkenes. Tetrahedron Letters, 2006, 47, 6267-6271.	1.4	18
24	Aliphatic Organolithiums by Fluorine- $\hat{\text{a}}$ Lithium Exchange: n-Octyllithium.. ChemInform, 2003, 34, no.	0.0	0
25	On the dichotomy of the $\text{S}_{\text{N}}2/\text{E}_{\text{T}}$ reaction pathways: an apparent $\text{S}_{\text{N}}2$ reactivity in the reaction of naphthalene dianion with alkyl fluorides. Tetrahedron Letters, 2003, 44, 1309-1312.	1.4	23
26	Primary alkyl fluorides as regioselective alkylating reagents of lithium arene dianions. Easy prediction of regioselectivity by MO calculations on the dianion. Tetrahedron Letters, 2003, 44, 1313-1316.	1.4	25
27	Aliphatic organolithiums by fluorine- $\hat{\text{a}}$ lithium exchange: n-octyllithium. Tetrahedron Letters, 2003, 44, 5025-5027.	1.4	31
28	On the Mechanism of Arene-Catalyzed Lithiation: The Role of Arene Dianions- $\hat{\text{a}}$ Naphthalene Radical Anion versus Naphthalene Dianion. Chemistry - A European Journal, 2002, 8, 2574.	3.3	97
29	On the mechanism of the naphthalene-catalysed lithiation: the role of the naphthalene dianion. Tetrahedron Letters, 2001, 42, 3455-3458.	1.4	72
30	Study of the Configuration Stability of the Carbon- $\hat{\text{a}}$ - $\hat{\text{a}}$ Zinc Bond, Direct Measurement of Enantiomeric Ratios, and Tentative Assignment of the Absolute Configuration in Secondary Organozinc Halides. Angewandte Chemie - International Edition, 2000, 39, 1475-1479.	13.8	20
31	Low-Temperature Formation of Functionalized Grignard Reagents from Direct Oxidative Addition of Active Magnesium to Aryl Bromides. Journal of Organic Chemistry, 2000, 65, 5428-5430.	3.2	82
32	$\hat{\text{a}}$ -Aminated methyllithium by DTBB-catalysed lithiation of a N-(chloromethyl) carbamate. Tetrahedron, 1999, 55, 4831-4842.	1.9	24
33	The Reaction of Active Zinc with Organic Bromides. Journal of the American Chemical Society, 1999, 121, 4155-4167.	13.7	93
34	N-($\hat{\text{a}}$ -Chloroalkyloxycarbonyl)pyrrolidines as a Source of Oxygenated d1-Reagents. European Journal of Organic Chemistry, 1999, 1999, 3005-3012.	2.4	1
35	Structure-Reactivity Relationship in the Reaction of Highly Reactive Zinc with Alkyl Bromides. Angewandte Chemie - International Edition, 1998, 37, 1679-1681.	13.8	38
36	Electrophilic amination of organozinc halides. Tetrahedron Letters, 1998, 39, 9157-9160.	1.4	44

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37	Struktur-Reaktivitäts-Beziehung bei der Reaktion von hochreaktivem Zink mit Alkylbromiden. <i>Angewandte Chemie</i> , 1998, 110, 1789-1791.	2.0	0
38	Lithiomethyl ethyl ether from chloromethyl ethyl ether via a DTBB-catalysed lithiation. <i>Tetrahedron</i> , 1996, 52, 1643-1650.	1.9	23
39	Polychlorinated materials as a source of polyanionic synthons. <i>Tetrahedron</i> , 1996, 52, 1797-1810.	1.9	31
40	N-(Chloromethyloxycarbonyl)pyrrolidine as a source of the HOCH ₂ ˆ synthon. <i>Tetrahedron Letters</i> , 1996, 37, 5593-5596.	1.4	10
41	O-tert-Butyl-N-(chloromethyl)-N-methyl carbamate as a source of the MeNHCH ₂ ˆ synthon. <i>Tetrahedron Letters</i> , 1996, 37, 5597-5600.	1.4	13
42	DTBB-Catalysed lithiation of 1,4-dichloro-2-butyne under Barbier conditions: Synthesis of functionalised alkynes. <i>Tetrahedron</i> , 1995, 51, 231-234.	1.9	27
43	DTBB-catalysed lithiation of 2,3-dichloropropene and related chloroamines: Synthetic applications. <i>Tetrahedron</i> , 1995, 51, 3375-3388.	1.9	32
44	1,3-dichloropropene as a source of the 1,3-dianion derived from propene: Synthesis of unsaturated 1,5-diols and dihydropyrans. <i>Tetrahedron</i> , 1994, 50, 13269-13276.	1.9	24
45	Dichloromethane as a source of the CH ₂ -synthon: A combination of an arene-catalysed lithiation and a barbier-type reaction. <i>Tetrahedron Letters</i> , 1994, 35, 253-256.	1.4	29
46	Arene-catalysed lithiation of 1,4-dichlorobut-2-enes and 3,4-dichlorobut-1-ene and reaction with electrophiles: A common reaction pathway. <i>Tetrahedron</i> , 1994, 50, 7857-7864.	1.9	24
47	4,4ˆ-Di-tert-butylbiphenyl-catalysed lithiation of chloromethyl ethyl ether: A barbier-type new and easy alternative to ethyl lithiomethyl ether. <i>Tetrahedron Letters</i> , 1993, 34, 3487-3490.	1.4	50
48	4,4ˆ-di-tert-butylbiphenyl-catalysed lithiation of 2,3-dichloropropene: A Barbier-type practical alternative to 2,3-dilithiopropene. <i>Tetrahedron Letters</i> , 1993, 34, 2011-2014.	1.4	36
49	Naphthalene-catalysed lithiation of functionalized chloroarenes: regioselective preparation and reactivity of functionalized lithioarenes. <i>Tetrahedron</i> , 1993, 49, 469-482.	1.9	52