

elilu1983x2% Gallardo

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70
papers

1,835
citations

22
h-index

41
g-index

83
ext. papers

2,000
ext. citations

5.4
avg. IF

4.43
L-index

#	Paper	IF	Citations
70	Electrochemical oxidation of aliphatic amines and their attachment to carbon and metal surfaces. <i>Langmuir</i> , 2004 , 20, 8243-53	4	352
69	Dissociative electron transfer. Homogeneous and heterogeneous reductive cleavage of the carbon-halogen bond in simple aliphatic halides. <i>Journal of the American Chemical Society</i> , 1986 , 108, 638-647	16.4	195
68	Spontaneous attachment of amines to carbon and metallic surfaces. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19521-9	3.4	123
67	Dissociative electron transfer. Ab initio study of the carbon-halogen bond reductive cleavage in methyl and perfluoromethyl halides. Role of the solvent. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9576-9583	16.4	107
66	Outer-sphere electron-transfer reduction of alkyl halides. A source of alkyl radicals or of carbanions? Reduction of alkyl radicals. <i>Journal of the American Chemical Society</i> , 1989 , 111, 1620-1626	16.4	102
65	Anodic oxidation of some tertiary amines. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 304, 241-247		46
64	Nucleophilic aromatic substitution for heteroatoms: an oxidative electrochemical approach. <i>Journal of Organic Chemistry</i> , 2002 , 67, 2548-55	4.2	44
63	Electrostatic and electrophilic catalysis in the reductive cleavage of alkyl aryl ethers. The influence of ion pairing on the regioselectivity. <i>Journal of Organic Chemistry</i> , 2000 , 65, 322-31	4.2	43
62	Investigation of an acid-base and redox molecular switch: from bulk to the single-molecule level. <i>Chemistry - A European Journal</i> , 2007 , 13, 7066-74	4.8	39
61	Nucleophilic aromatic substitution of hydrogen: a novel electrochemical approach to the cyanation of nitroarenes. <i>Chemistry - A European Journal</i> , 2001 , 7, 1759-65	4.8	38
60	Evidence for a pi dimer in the electrochemical reduction of 1,3,5-trinitrobenzene: a reversible N ₂ -fixation system. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1321-5	16.4	35
59	A multi-stimuli responsive switch as a fluorescent molecular analogue of transistors. <i>Chemical Science</i> , 2016 , 7, 1819-1825	9.4	32
58	Stable spirocyclic Meisenheimer complexes. <i>Molecules</i> , 2008 , 13, 1282-302	4.8	29
57	Electrochemically promoted nucleophilic aromatic substitution in room temperature ionic liquids: an environmentally benign way to functionalize nitroaromatic compounds. <i>Green Chemistry</i> , 2011 , 13, 2531	10	28
56	Electrochemical Synthesis of Organophosphorus Compounds through Nucleophilic Aromatic Substitution: Mechanistic Investigations and Synthetic Scope. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 7378-7389	3.2	25
55	Electrochemical Synthesis of Nitroanilines. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 251-259	3.2	25
54	Inductive vs solvation effects in primary alkyl amines: determination of the standard potentials. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2817-21	16.4	24

53	Understanding specific effects on the standard potential shifts of electrogenerated species in 1-butyl-3-methylimidazolium ionic liquids. <i>Electrochimica Acta</i> , 2008 , 53, 5968-5976	6.7	24
52	Mechanistic studies on the reactivity of halodinitrobenzene radical-anion. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 488, 64-72	4.1	24
51	Electrochemical Synthesis of Nitroaromatic Ketones. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 261-267	3.2	23
50	Are Anion Radicals Nucleophiles and/or Outersphere Electron Donors? An Ab Initio Study of the Reaction of Ethylene and Formaldehyde Anion Radicals with Methyl Fluoride and Chloride. <i>Journal of the American Chemical Society</i> , 1996 , 118, 5737-5744	16.4	23
49	Alkylation of nitroaromatics with tetraalkylborate ion via electrochemical oxidation. <i>Journal of Organic Chemistry</i> , 2003 , 68, 7334-41	4.2	22
48	Topologically Controlled Coulombic Interactions, a New Tool in the Developing of Novel Reactivity. Photochemical and Electrochemical Cleavage of Phenyl Alkyl Ethers. <i>Journal of Organic Chemistry</i> , 1995 , 60, 3814-3825	4.2	22
47	Thermodynamics, kinetics, and dynamics of the two alternative animesolytic fragmentations of C-O bonds: an electrochemical and theoretical study. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4708-15	16.4	21
46	Electrochemical studies of CO ₂ in imidazolium ionic liquids using silver as a working electrode: a suitable approach for determining diffusion coefficients, solubility values, and electrocatalytic effects. <i>RSC Advances</i> , 2014 , 4, 65176-65183	3.7	19
45	Electrochemical synthesis of alkyl nitroaromatic compounds. <i>Journal of Organic Chemistry</i> , 2003 , 68, 6313-2	3.2	19
44	Direct coupling of nucleophiles with nitroaromatic compounds via fluoride-promoted oxidative nucleophilic aromatic substitution for hydrogen. <i>Tetrahedron Letters</i> , 2001 , 42, 3439-3441	2	17
43	Mechanistic study of the electrochemical oxidation of some aromatic amines in the presence of bases. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 354, 231-241	4.1	17
42	The role of cations in the reduction of 9-fluorenone in bis(trifluoromethylsulfonyl)imide room temperature ionic liquids. <i>New Journal of Chemistry</i> , 2014 , 38, 5030-5036	3.6	15
41	Environmental risk index: a tool to assess the safety of dams for leachate. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1-9	12.8	15
40	Thermodynamic Study of π Complexes in Nucleophilic Aromatic Substitution Reactions: Relative Stabilities of Electrochemically Generated Radicals. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 2463-2472	3.2	15
39	Thermodynamics and kinetics of homolytic cleavage of carbon-oxygen bonds in radical anions obtained by electrochemical reduction of alkyl aryl ethers. <i>Perkin Transactions II RSC</i> , 2002 , 985-990		15
38	A biocompatible redox MRI probe based on a Mn(ii)/Mn(iii) porphyrin. <i>Dalton Transactions</i> , 2019 , 48, 3249-3262	4.3	14
37	Mechanistic studies on the electrochemical reductive coupling of some polyhalogenonitrobenzenes. A new example of a radical anion dimerization. <i>Tetrahedron</i> , 1994 , 50, 6913-6920	2.4	14
36	Electrochemical mechanism of spiro and zwitterionic Meisenheimer compounds: A potential fluorescence molecular switching system. <i>Electrochemistry Communications</i> , 2007 , 9, 173-179	5.1	13

35	Theoretical study of the oxidation mechanism of aromatic amines. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991 , 1437-1443		13
34	Sustainable and efficient electrosynthesis of naproxen using carbon dioxide and ionic liquids. <i>Chemosphere</i> , 2020 , 245, 125557	8.4	13
33	Direct formation of aromatic C-N bonds. Regioselective amination of m-dinitrobenzene via fluoride promoted nucleophilic aromatic photosubstitution for hydrogen. <i>Tetrahedron Letters</i> , 2000 , 41, 279-281 ²		12
32	Reductively activated polar nucleophilic aromatic substitution of pentafluoronitrobenzene. The S _{RN} 2 hypothesis revisited. <i>Tetrahedron Letters</i> , 1993 , 34, 2801-2804	2	12
31	On the electroreduction mechanism of halobenzenes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987 , 219, 197-208		11
30	Electrocatalytic Processes for the Valorization of CO ₂ : Synthesis of Cyanobenzoic Acid Using Eco-Friendly Strategies. <i>Catalysts</i> , 2019 , 9, 413	4	10
29	Cyclic voltammetry using silver as cathode material: a simple method for determining electro and chemical features and solubility values of CO ₂ in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 2339-43	3.6	10
28	Estimation of nitrobenzyl radicals reduction potential using spectro-electrochemical techniques. <i>Electrochimica Acta</i> , 2009 , 54, 5098-5108	6.7	9
27	Reductively activated 'polar' nucleophilic aromatic substitution. A new mechanism in aromatic chemistry?. <i>Pure and Applied Chemistry</i> , 1995 , 67, 703-710	2.1	9
26	Electronic reduction of haloaromatic compounds. A theoretical study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1989 , 2017-2021		9
25	Electrocarboxylation of halobenzonitriles: An environmentally friendly synthesis of phthalate derivatives. <i>Electrochimica Acta</i> , 2019 , 320, 134576	6.7	8
24	Environmentally benign and selective synthesis of hybrid pyrazole sulfoxide and sulfone ligands. <i>New Journal of Chemistry</i> , 2013 , 37, 1889	3.6	8
23	Cathodically activated nucleophilic aromatic substitution of hydrogen: a novel electrochemical mechanism. <i>Chemical Communications</i> , 2002 , 2638-9	5.8	8
22	Electrosynthesis of hindered alkyl diamines: evidence for an electrocatalytic anodic mechanism. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6647-56	4.2	7
21	Evidence for a transition between singlet and triplet states in the electrochemical reduction of 2,2'-4,4'-tetranitrobiphenyl. <i>ChemPhysChem</i> , 2001 , 2, 754-60	3.2	7
20	The effect of topologically controlled coulombic interactions on the regioselectivity of the reductive cleavage of alkyl phenyl ethers. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 2563		7
19	Singlet-triplet mechanistic duality in the photosubstitution of nitrophenyl ethers with ethyl glycinate. The role of single electron transfer.. <i>Tetrahedron</i> , 1992 , 48, 1333-1342	2.4	7
18	Electrochemically promoted arylation of iodoaromatics. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 799, 9-16	4.1	6

17	Electrochemically triggered conversion between metacyclophan-1-ene and dihydropyrene molecular switching systems. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 1502-7	3.6	6
16	New smart functional fluorophores based on stable spirocyclic zwitterionic Meisenheimer compounds. <i>Dyes and Pigments</i> , 2018 , 153, 160-171	4.6	5
15	An Analysis of Anion-Specific Effects on the Standard Potential Shifts of 9-Fluorenone in Room-Temperature Ionic Liquids with a Silver Electrode as a Cathode Material. <i>ChemElectroChem</i> , 2014 , 1, 2104-2109	4.3	4
14	Bidirectional redox molecular switches: electron-induced cyclization and cycloreversion processes in metacyclophanes. <i>Chemistry - A European Journal</i> , 2012 , 18, 9807-12	4.8	4
13	One-pot electrosynthesis of substituted imidazolium and tetrahydropyrimidinium salts from secondary alkyldiamines: an electrochemical route toward ionic liquids. <i>Journal of Organic Chemistry</i> , 2010 , 75, 680-9	4.2	4
12	Evidence for a Dimer in the Electrochemical Reduction of 1,3,5-Trinitrobenzene: A Reversible N ₂ -Fixation System. <i>Angewandte Chemie</i> , 2007 , 119, 1343-1347	3.6	4
11	Reductively activated Polar nucleophilic aromatic substitution. II. The reaction of p-dinitrobenzene and p-nitrobenzotrile with charged and neutral nucleophiles. <i>Tetrahedron Letters</i> , 1994 , 35, 9055-9058	2	4
10	Side reactions in macroscale electrolysis of halobenzenes in DMF at a mercury cathode. <i>Electrochimica Acta</i> , 1987 , 32, 1145-1147	6.7	4
9	Thermal and Optical Characterization of Undoped and Neodymium-Doped Y ₃ ScAl ₄ O ₁₂ Ceramics. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13781-13789	3.8	3
8	Oxygen carriers based on electrochemically reduced trinitroarenes. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 4456-62	3.6	2
7	Reduction of Aromatic Imino Derivatives: Chemical, Electrochemical, and Theoretical Studies. <i>Polycyclic Aromatic Compounds</i> , 2003 , 23, 457-470	1.3	2
6	Reductively activated Polar nucleophilic aromatic substitution. III. <i>Tetrahedron Letters</i> , 1994 , 35, 9059-9062		2
5	From 4-nitrotoluene and 4,4'-dinitrobibenzyl to E-4,4'-dinitrostilbene: an electrochemical approach. <i>New Journal of Chemistry</i> , 2018 , 42, 7005-7015	3.6	1
4	Combining nanosecond and millisecond time scale techniques: determination of thermodynamic and kinetic data of primary alkyl amine cation radicals. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 620-33 ^{2.8}		1
3	Electrochemical C-H Functionalization of Arenes and Heteroarenes. <i>Topics in Heterocyclic Chemistry</i> , 2013 , 241-275	0.2	1
2	Electrochemical Reduction of 4-Nitrobenzyl Phenyl Thioether for Activation and Capture of CO ₂ . <i>ChemElectroChem</i> , 2021 , 8, 2649-2661	4.3	0
1	Electrochemical tools to disclose the electrochemical reduction mechanism of CO ₂ in aprotic solvents and ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115411	4.1	0