elilu1983x2% Gallardo

List of Publications by Year in Descending Order

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 Reduction of 4-Nitrobenzyl Phenyl Thioether for Activation and Capture of CO2. *ChemElectroChem*, **2021**, 8, 2649-2661	4.3	0
69	Electrochemical tools to disclose the electrochemical reduction mechanism of CO2 in aprotic solvents and ionic liquids. *Journal of Electroanalytical Chemistry*, **2021**, 895, 115411	4.1	0
68	Sustainable and efficient electrosynthesis of naproxen using carbon dioxide and ionic liquids. *Chemosphere*, **2020**, 245, 125557	8.4	13
67	A biocompatible redox MRI probe based on a Mn(ii)/Mn(iii) porphyrin. *Dalton Transactions*, **2019**, 48, 3249-3262	4.3	14
66	Electrocatalytic Processes for the Valorization of CO2: Synthesis of Cyanobenzoic Acid Using Eco-Friendly Strategies. *Catalysts*, **2019**, 9, 413	4	10
65	Electrocarboxylation of halobenzonitriles: An environmentally friendly synthesis of phthalate derivatives. *Electrochimica Acta*, **2019**, 320, 134576	6.7	8
64	New smart functional fluorophores based on stable spirocyclic zwitterionic Meisenheimer compounds. *Dyes and Pigments*, **2018**, 153, 160-171	4.6	5
63	From 4-nitrotoluene and 4,4?-dinitrobibenzyl to E-4,4?-dinitrostilbene: an electrochemical approach. *New Journal of Chemistry*, **2018**, 42, 7005-7015	3.6	1
62	Electrochemically promoted arylation of iodoaromatics. *Journal of Electroanalytical Chemistry*, **2017**, 799, 9-16	4.1	6
61	A multi-stimuli responsive switch as a fluorescent molecular analogue of transistors. *Chemical Science*, **2016**, 7, 1819-1825	9.4	32
60	Cyclic voltammetry using silver as cathode material: a simple method for determining electro and chemical features and solubility values of CO2 in ionic liquids. *Physical Chemistry Chemical Physics*, **2015**, 17, 2339-43	3.6	10
59	Combining nanosecond and millisecond time scale techniques: determination of thermodynamic and kinetic data of primary alkyl amine cation radicals. *Journal of Physical Chemistry A*, **2015**, 119, 620-33	2.8	1
58	The role of cations in the reduction of 9-fluorenone in bis(trifluoromethylsulfonyl)imide room temperature ionic liquids. *New Journal of Chemistry*, **2014**, 38, 5030-5036	3.6	15
57	Thermal and Optical Characterization of Undoped and Neodymium-Doped Y3ScAl4O12 Ceramics. *Journal of Physical Chemistry C*, **2014**, 118, 13781-13789	3.8	3
56	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. *ChemElectroChem*, **2014**, 1, 2104-2109	4.3	4
55	Electrochemical studies of CO2 in imidazolium ionic liquids using silver as a working electrode: a suitable approach for determining diffusion coefficients, solubility values, and electrocatalytic effects. *RSC Advances*, **2014**, 4, 65176-65183	3.7	19
54	Electrochemical C□H Functionalization of Arenes and Heteroarenes. *Topics in Heterocyclic Chemistry*, **2013**, 241-275	0.2	1

53	Environmentally benign and selective synthesis of hybrid pyrazole sulfoxide and sulfone ligands. *New Journal of Chemistry*, **2013**, 37, 1889	3.6	8
52	Bidirectional redox molecular switches: electron-induced cyclization and cycloreversion processes in metacyclophanes. *Chemistry - A European Journal*, **2012**, 18, 9807-12	4.8	4
51	Electrochemically promoted nucleophilic aromatic substitution in room temperature ionic liquids□n environmentally benign way to functionalize nitroaromatic compounds. *Green Chemistry*, **2011**, 13, 2531	10	28
50	Electrochemical Synthesis of Organophosphorus Compounds through Nucleophilic Aromatic Substitution: Mechanistic Investigations and Synthetic Scope. *European Journal of Organic Chemistry*, **2011**, 2011, 7378-7389	3.2	25
49	One-pot electrosynthesis of substituted imidazolinium and tetrahydropyrimidinium salts from secondary alkyldiamines: an electrochemical route toward ionic liquids. *Journal of Organic Chemistry*, **2010**, 75, 680-9	4.2	4
48	Estimation of nitrobenzyl radicals reduction potential using spectro-electrochemical techniques. *Electrochimica Acta*, **2009**, 54, 5098-5108	6.7	9
47	Environmental risk index: a tool to assess the safety of dams for leachate. *Journal of Hazardous Materials*, **2009**, 162, 1-9	12.8	15
46	Electrochemically triggered conversion between metacyclophan-1-ene and dihydropyrene molecular switching systems. *Physical Chemistry Chemical Physics*, **2009**, 11, 1502-7	3.6	6
45	Stable spirocyclic Meisenheimer complexes. *Molecules*, **2008**, 13, 1282-302	4.8	29
44	Oxygen carriers based on electrochemically reduced trinitroarenes. *Physical Chemistry Chemical Physics*, **2008**, 10, 4456-62	3.6	2
43	Electrosynthesis of hindered alkyl diamines: evidence for an electrocatalytic anodic mechanism. *Journal of Organic Chemistry*, **2008**, 73, 6647-56	4.2	7
42	Thermodynamic Study of □ Complexes in Nucleophilic Aromatic Substitution Reactions: Relative Stabilities of Electrochemically Generated Radicals. *European Journal of Organic Chemistry*, **2008**, 2008, 2463-2472	3.2	15
41	Understanding specific effects on the standard potential shifts of electrogenerated species in 1-butyl-3-methylimidazolium ionic liquids. *Electrochimica Acta*, **2008**, 53, 5968-5976	6.7	24
40	Inductive vs solvation effects in primary alkyl amines: determination of the standard potentials. *Journal of the American Chemical Society*, **2007**, 129, 2817-21	16.4	24
39	Investigation of an acid-base and redox molecular switch: from bulk to the single-molecule level. *Chemistry - A European Journal*, **2007**, 13, 7066-74	4.8	39
38	Evidence for a pi dimer in the electrochemical reduction of 1,3,5-trinitrobenzene: a reversible N2-fixation system. *Angewandte Chemie - International Edition*, **2007**, 46, 1321-5	16.4	35
37	Evidence for a □Dimer in the Electrochemical Reduction of 1,3,5-Trinitrobenzene: A Reversible N2-Fixation System. *Angewandte Chemie*, **2007**, 119, 1343-1347	3.6	4
36	Electrochemical mechanism of spiro and zwitterionic Meisenheimer compounds: A potential fluorescence molecular switching system. *Electrochemistry Communications*, **2007**, 9, 173-179	5.1	13

35	Spontaneous attachment of amines to carbon and metallic surfaces. *Journal of Physical Chemistry B*, **2006**, 110, 19521-9	3.4	123
34	Electrochemical oxidation of aliphatic amines and their attachment to carbon and metal surfaces. *Langmuir*, **2004**, 20, 8243-53	4	352
33	Alkylation of nitroaromatics with tetraalkylborate ion via electrochemical oxidation. *Journal of Organic Chemistry*, **2003**, 68, 7334-41	4.2	22
32	Electrochemical synthesis of alkyl nitroaromatic compounds. *Journal of Organic Chemistry*, **2003**, 68, 631-3	4.2	19
31	Reduction of Aromatic Imino Derivatives: Chemical, Electrochemical, and Theoretical Studies. *Polycyclic Aromatic Compounds*, **2003**, 23, 457-470	1.3	2
30	Electrochemical Synthesis of Nitroanilines. *European Journal of Organic Chemistry*, **2002**, 2002, 251-259	3.2	25
29	Electrochemical Synthesis of Nitroaromatic Ketones. *European Journal of Organic Chemistry*, **2002**, 2002, 261-267	3.2	23
28	Nucleophilic aromatic substitution for heteroatoms: an oxidative electrochemical approach. *Journal of Organic Chemistry*, **2002**, 67, 2548-55	4.2	44
27	Thermodynamics, kinetics, and dynamics of the two alternative aniomesolytic fragmentations of C-O bonds: an electrochemical and theoretical study. *Journal of the American Chemical Society*, **2002**, 124, 4708-15	16.4	21
26	Thermodynamics and kinetics of homolytic cleavage of carbon–oxygen bonds in radical anions obtained by electrochemical reduction of alkyl aryl ethers. *Perkin Transactions II RSC*, **2002**, 985-990		15
25	Cathodically activated nucleophilic aromatic substitution of hydrogen: a novel electrochemical mechanism. *Chemical Communications*, **2002**, 2638-9	5.8	8
24	Direct coupling of nucleophiles with nitroaromatic compounds via fluoride-promoted oxidative nucleophilic aromatic substitution for hydrogen. *Tetrahedron Letters*, **2001**, 42, 3439-3441	2	17
23	Evidence for a transition between singlet and triplet states in the electrochemical reduction of 2,2'-4,4'-tetranitrobiphenyl. *ChemPhysChem*, **2001**, 2, 754-60	3.2	7
22	Nucleophilic aromatic substitution of hydrogen: a novel electrochemical approach to the cyanation of nitroarenes. *Chemistry - A European Journal*, **2001**, 7, 1759-65	4.8	38
21	Mechanistic studies on the reactivity of halodinitrobenzene radical-anion. *Journal of Electroanalytical Chemistry*, **2000**, 488, 64-72	4.1	24
20	Direct formation of aromatic C–N bonds. Regioselective amination of m-dinitrobenzene via fluoride promoted nucleophilic aromatic photosubstitution for hydrogen. *Tetrahedron Letters*, **2000**, 41, 279-281	2	12
19	Electrostatic and electrophilic catalysis in the reductive cleavage of alkyl aryl ethers. The influence of ion pairing on the regioselectivity. *Journal of Organic Chemistry*, **2000**, 65, 322-31	4.2	43
18	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. *Journal of the American Chemical Society*, **1996**, 118, 5737-5744	16.4	23

17	The effect of topologically controlled coulombic interactions on the regioselectivity of the reductive cleavage of alkyl phenyl ethers. *Journal of the Chemical Society Perkin Transactions II*, **1996**, 2563		7
16	Reductively activated 'polar' nucleophilic aromatic substitution. A new mechanism in aromatic chemistry?. *Pure and Applied Chemistry*, **1995**, 67, 703-710	2.1	9
15	Topologically Controlled Coulombic Interactions, a New Tool in the Developing of Novel Reactivity. Photochemical and Electrochemical Cleavage of Phenyl Alkyl Ethers. *Journal of Organic Chemistry*, **1995**, 60, 3814-3825	4.2	22
14	Mechanistic studies on the electrochemical reductive coupling of some polyhalogenonitrobenzenes. A new example of a radical anion dimerization. *Tetrahedron*, **1994**, 50, 6913-6920	2.4	14
13	Reductively activated Polar nucleophilic aromatic substitution. II. The reaction of p-dinitrobenzene and p-nitrobenzonitrile with charged and neutral nucleophiles. *Tetrahedron Letters*, **1994**, 35, 9055-9058	2	4
12	Reductively activated Polar nucleophilic aromatic substitution. III. *Tetrahedron Letters*, **1994**, 35, 9059-9062	2	2
11	Mechanistic study of the electrochemical oxidation of some aromatic amines in the presence of bases. *Journal of Electroanalytical Chemistry*, **1993**, 354, 231-241	4.1	17
10	Reductively activated Polar nucleophilic aromatic substitution of pentafluoronitrobenzene. The SRN2 hypothesis revisited. *Tetrahedron Letters*, **1993**, 34, 2801-2804	2	12
9	Dissociative electron transfer. Ab initio study of the carbon-halogen bond reductive cleavage in methyl and perfluoromethyl halides. Role of the solvent. *Journal of the American Chemical Society*, **1992**, 114, 9576-9583	16.4	107
8	Singlet-triplet mechanistic duality in the photosubstitution of nitrophenyl ethers with ethyl glycinate. The role of single electron transfer.. *Tetrahedron*, **1992**, 48, 1333-1342	2.4	7
7	Anodic oxidation of some tertiary amines. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1991**, 304, 241-247		46
6	Theoretical study of the oxidation mechanism of aromatic amines. *Journal of the Chemical Society Perkin Transactions II*, **1991**, 1437-1443		13
5	Outer-sphere electron-transfer reduction of alkyl halides. A source of alkyl radicals or of carbanions? Reduction of alkyl radicals. *Journal of the American Chemical Society*, **1989**, 111, 1620-1626	16.4	102
4	Electronic reduction of haloaromatic compounds. A theoretical study. *Journal of the Chemical Society Perkin Transactions II*, **1989**, 2017-2021		9
3	Side reactions in macroscale electrolysis of halobenzenes in DMF at a mercury cathode. *Electrochimica Acta*, **1987**, 32, 1145-1147	6.7	4
2	On the electroreduction mechanism of halobenzenes. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1987**, 219, 197-208		11
1	Dissociative electron transfer. Homogeneous and heterogeneous reductive cleavage of the carbon-halogen bond in simple aliphatic halides. *Journal of the American Chemical Society*, **1986**, 108, 638-647	16.4	195