elilu1983x2% Gallardo

List of Publications by Year
in descending order

74 papers	2,188 citations	279798 23 h-index	233421 45 g-index
83 all docs	83 docs citations	83 times ranked	2179 citing authors

#	Article	IF	Citations
1	Electrochemical Oxidation of Aliphatic Amines and Their Attachment to Carbon and Metal Surfaces. Langmuir, 2004, 20, 8243-8253.	3.5	408
2	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.	13.7	223
3	Spontaneous Attachment of Amines to Carbon and Metallic Surfaces. Journal of Physical Chemistry B, 2006, 110, 19521-19529.	2.6	135
4	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.	13.7	122
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.	13.7	120
6	Anodic oxidation of some tertiary amines. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 304, 241-247.	0.1	58
7	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, 322-331.	3.2	52
8	Nucleophilic Aromatic Substitution for Heteroatoms:Â An Oxidative Electrochemical Approach. Journal of Organic Chemistry, 2002, 67, 2548-2555.	3.2	50
9	Nucleophilic Aromatic Substitution of Hydrogen: A Novel Electrochemical Approach to the Cyanation of Nitroarenes. Chemistry - A European Journal, 2001, 7, 1759-1765.	3.3	42
10	Investigation of an Acidâ€“Base and Redox Molecular Switch: From Bulk to the Single-Molecule Level. Chemistry - A European Journal, 2007, 13, 7066-7074.	3.3	39
11	A multi-stimuli responsive switch as a fluorescent molecular analogue of transistors. Chemical Science, 2016, 7, 1819-1825.	7.4	39
12	Evidence for a Ï€ Dimer in the Electrochemical Reduction of 1,3,5-Trinitrobenzene: A Reversible N2-Fixation System. Angewandte Chemie - International Edition, 2007, 46, 1321-1325.	13.8	36
13	Stable Spirocyclic Meisenheimer Complexes. Molecules, 2008, 13, 1282-1302.	3.8	36
14	Mechanistic studies on the reactivity of halodinitrobenzene radical-anion. Journal of Electroanalytical Chemistry, 2000, 488, 64-72.	3.8	30
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.	3.2	29
16	Electrochemically promoted nucleophilic aromatic substitution in room temperature ionic liquidsâ€”an environmentally benign way to functionalize nitroaromatic compounds. Green Chemistry, 2011, 13, 2531.	9.0	29
17	Thermodynamics, Kinetics, and Dynamics of the Two Alternative Aniomesolytic Fragmentations of Câ”O Bonds:â€‰ An Electrochemical and Theoretical Study. Journal of the American Chemical Society, 2002, 124, 4708-4715.	13.7	28
18	Electrochemical Synthesis of Nitroanilines. European Journal of Organic Chemistry, 2002, 2002, 251-259.	2.4	28

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19	Inductive vs Solvation Effects in Primary Alkyl Amines:â€‰ Determination of the Standard Potentials. Journal of the American Chemical Society, 2007, 129, 2817-2821.	13.7	28
20	Electrochemical Synthesis of Organophosphorus Compounds through Nucleophilic Aromatic Substitution: Mechanistic Investigations and Synthetic Scope. European Journal of Organic Chemistry, 2011, 2011, 7378-7389.	2.4	27
21	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.	13.7	26
22	Direct coupling of nucleophiles with nitroaromatic compounds via fluoride-promoted oxidative nucleophilic aromatic substitution for hydrogen. Tetrahedron Letters, 2001, 42, 3439-3441.	1.4	26
23	Electrochemical Synthesis of Nitroaromatic Ketones. European Journal of Organic Chemistry, 2002, 2002, 261-267.	2.4	26
24	Understanding specific effects on the standard potential shifts of electrogenerated species in 1-butyl-3-methylimidazolium ionic liquids. Electrochimica Acta, 2008, 53, 5968-5976.	5.2	26
25	A biocompatible redox MRI probe based on a Mn(<scp>ii</scp>)/Mn(<scp>iii</scp>) porphyrin. Dalton Transactions, 2019, 48, 3249-3262.	3.3	24
26	Sustainable and efficient electrosynthesis of naproxen using carbon dioxide and ionic liquids. Chemosphere, 2020, 245, 125557.	8.2	24
27	Environmental risk index: A tool to assess the safety of dams for leachate. Journal of Hazardous Materials, 2009, 162, 1-9.	12.4	23
28	Mechanistic study of the electrochemical oxidation of some aromatic amines in the presence of bases. Journal of Electroanalytical Chemistry, 1993, 354, 231-241.	3.8	22
29	Alkylation of Nitroaromatics with Tetraalkylborate Ion via Electrochemical Oxidation. Journal of Organic Chemistry, 2003, 68, 7334-7341.	3.2	22
30	Electrochemical Synthesis of Alkyl Nitroaromatic Compounds. Journal of Organic Chemistry, 2003, 68, 631-633.	3.2	22
31	Electrochemical studies of CO₂in 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.	3.6	22
32	Reductively activated â€œpolarâ€•nucleophilic aromatic substitution of pentafluoronitrobenzene. The SRN2 hypothesis revisited. Tetrahedron Letters, 1993, 34, 2801-2804.	1.4	19
33	Thermodynamics and kinetics of homolytic cleavage of carbonâ€“oxygen bonds in radical anions obtained by electrochemical reduction of alkyl aryl ethers. Perkin Transactions II RSC, 2002, , 985-990.	1.1	18
34	Thermodynamic Study of Ïƒ^H Complexes in Nucleophilic Aromatic Substitution Reactions: Relative Stabilities of Electrochemically Generated Radicals. European Journal of Organic Chemistry, 2008, 2008, 2463-2472.	2.4	17
35	Electrocarboxylation of halobenzonitriles: An environmentally friendly synthesis of phthalate derivatives. Electrochimica Acta, 2019, 320, 134576.	5.2	17
36	On the electroreduction mechanism of halobenzenes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 219, 197-208.	0.1	16

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37	Direct formation of aromatic Câ€“N bonds. Regioselective amination of m-dinitrobenzene via fluoride promoted nucleophilic aromatic photosubstitution for hydrogen. Tetrahedron Letters, 2000, 41, 279-281.	1.4	16
38	Mechanistic studies on the electrochemical reductive coupling of some polyhalogenonitrobenzenes. A new example of a radical anion dimerization. Tetrahedron, 1994, 50, 6913-6920.	1.9	15
39	Electrochemical mechanism of spiro and zwitterionic Meisenheimer compounds: A potential fluorescence molecular switching system. Electrochemistry Communications, 2007, 9, 173-179.	4.7	15
40	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.	2.8	15
41	Electrocatalytic Processes for the Valorization of CO2: Synthesis of Cyanobenzoic Acid Using Eco-Friendly Strategies. Catalysts, 2019, 9, 413.	3.5	15
42	Theoretical study of the oxidation mechanism of aromatic amines. Journal of the Chemical Society Perkin Transactions II, 1991, , 1437-1443.	0.9	13
43	Reductively activated 'polar' nucleophilic aromatic substitution. A new mechanism in aromatic chemistry?. Pure and Applied Chemistry, 1995, 67, 703-710.	1.9	12
44	Estimation of nitrobenzyl radicals reduction potential using spectro-electrochemical techniques. Electrochimica Acta, 2009, 54, 5098-5108.	5.2	12
45	Singlet-triplet mechanistic duality in the photosubstitution of nitrophenyl ethers with ethyl glycinate. The role of single electron transfer.. Tetrahedron, 1992, 48, 1333-1342.	1.9	11
46	Electrosynthesis of Hindered Alkyl Diamines: Evidence for an Electrocatalytic Anodic Mechanism. Journal of Organic Chemistry, 2008, 73, 6647-6656.	3.2	10
47	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, 2339-2343.	2.8	10
48	Electrochemical Reduction of 4â€²Nitrobenzyl Phenyl Thioether for Activation and Capture of CO₂. ChemElectroChem, 2021, 8, 2649-2661.	3.4	10
49	Electronic reduction of haloaromatic compounds. A theoretical study. Journal of the Chemical Society Perkin Transactions II, 1989, , 2017-2021.	0.9	9
50	Environmentally benign and selective synthesis of hybrid pyrazole sulfoxide and sulfone ligands. New Journal of Chemistry, 2013, 37, 1889.	2.8	9
51	Cathodically activated nucleophilic aromatic substitution of hydrogen: a novel electrochemical mechanismElectronic supplementary information (ESI) available: Table S1. See http://www.rsc.org/suppdata/cc/b2/b207168a/. Chemical Communications, 2002, , 2638-2639.	4.1	8
52	Reductively activated â€œPolarâ€•nucleophilic aromatic substitution. II. The reaction of p-dinitrobenzene and p-nitrobenzonitrile with charged and neutral nucleophiles. Tetrahedron Letters, 1994, 35, 9055-9058.	1.4	7
53	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.	0.9	7
54	Evidence for a Transition Between Singlet and Triplet States in the Electrochemical Reduction of 2,2â€²-4,4â€²-Tetranitrobiphenyl. ChemPhysChem, 2001, 2, 754.	2.1	7

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55	Electrochemically triggered conversion between metacyclophan-1-ene and dihydropyrene molecular switching systems. Physical Chemistry Chemical Physics, 2009, 11, 1502.	2.8	7
56	Thermal and Optical Characterization of Undoped and Neodymium-Doped Y₃ScAl₄O₁₂ Ceramics. Journal of Physical Chemistry C, 2014, 118, 13781-13789.	3.1	7
57	Electrochemically promoted arylation of iodoaromatics. Journal of Electroanalytical Chemistry, 2017, 799, 9-16.	3.8	7
58	New smart functional fluorophores based on stable spirocyclic zwitterionic Meisenheimer compounds. Dyes and Pigments, 2018, 153, 160-171.	3.7	7
59	Bidirectional Redox Molecular Switches: Electronâ€induced Cyclization and Cycloreversion Processes in Metacyclophanes. Chemistry - A European Journal, 2012, 18, 9807-9812.	3.3	6
60	Electrochemical tools to disclose the electrochemical reduction mechanism of CO2 in aprotic solvents and ionic liquids. Journal of Electroanalytical Chemistry, 2021, 895, 115411.	3.8	6
61	One-Pot Electrosynthesis of Substituted Imidazolinium and Tetrahydropyrimidinium Salts from Secondary Alkyldiamines: An Electrochemical Route toward Ionic Liquids. Journal of Organic Chemistry, 2010, 75, 680-689.	3.2	5
62	Side reactions in macroscale electrolysis of halobenzenes in DMF at a mercury cathode. Electrochimica Acta, 1987, 32, 1145-1147.	5.2	4
63	An Analysis of Anionâ€Specific Effects on the Standard Potential Shifts of 9â€Fluorenone in Roomâ€Temperature Ionic Liquids with a Silver Electrode as a Cathode Material. ChemElectroChem, 2014, 1, 2104-2109.	3.4	4
64	Reductively activated â€œPolarâ€•nucleophilic aromatic substitution. III. Tetrahedron Letters, 1994, 35, 9059-9062.	1.4	3
65	Reduction of Aromatic Imino Derivatives: Chemical, Electrochemical, and Theoretical Studies. Polycyclic Aromatic Compounds, 2003, 23, 457-470.	2.6	3
66	Oxygen carriers based on electrochemically reduced trinitroarenes. Physical Chemistry Chemical Physics, 2008, 10, 4456.	2.8	3
67	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, 620-633.	2.5	2
68	From 4-nitrotoluene and 4,4â€²-dinitrobibenzyl to E-4,4â€²-dinitrostilbene: an electrochemical approach. New Journal of Chemistry, 2018, 42, 7005-7015.	2.8	2
69	On the electroreduction mechanism of halobenzenes: Detection of intermediates in reduction of monohalobenzenes. Collection of Czechoslovak Chemical Communications, 1989, 54, 900-910.	1.0	2
70	On the electroreduction mechanism of halobenzenes: The special case of 1,2-dibromobenzene. Collection of Czechoslovak Chemical Communications, 1989, 54, 911-921.	1.0	2
71	Electrochemical Câ€“H Functionalization of Arenes and Heteroarenes. Topics in Heterocyclic Chemistry, 2013, , 241-275.	0.2	1
72	ELECTROCARBOXYLATION OF SPYROPIRAN SWITCHES THROUGH CARBONâ€BROMIDE BOND CLEAVAGE REACTION. ChemElectroChem, 0, , .	3.4	1

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73	Electrochemical Synthesis of Alkyl Nitroaromatic Compounds.. ChemInform, 2003, 34, no.	0.0	0
74	Tuning the absorption and emission of CdSe and ZnS core-shell nanoparticles by laser radiation. , 2008, , .		0