

elilu1983x2% Gallardo

List of Publications by Year in descending order

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74
papers

2,188
citations

279487
23
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233125
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all docs

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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. <i>Langmuir</i> , 2004, 20, 8243-8253.	1.6	408
2	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.	6.6	223
3	Spontaneous Attachment of Amines to Carbon and Metallic Surfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19521-19529.	1.2	135
4	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.	6.6	122
5	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.	6.6	120
6	Anodic oxidation of some tertiary amines. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 304, 241-247.	0.3	58
7	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, 322-331.	1.7	52
8	Nucleophilic Aromatic Substitution for Heteroatoms: An Oxidative Electrochemical Approach. <i>Journal of Organic Chemistry</i> , 2002, 67, 2548-2555.	1.7	50
9	Nucleophilic Aromatic Substitution of Hydrogen: A Novel Electrochemical Approach to the Cyanation of Nitroarenes. <i>Chemistry - A European Journal</i> , 2001, 7, 1759-1765.	1.7	42
10	Investigation of an Acid-Base and Redox Molecular Switch: From Bulk to the Single-Molecule Level. <i>Chemistry - A European Journal</i> , 2007, 13, 7066-7074.	1.7	39
11	A multi-stimuli responsive switch as a fluorescent molecular analogue of transistors. <i>Chemical Science</i> , 2016, 7, 1819-1825.	3.7	39
12	Evidence for a N_2 Dimer in the Electrochemical Reduction of 1,3,5-Trinitrobenzene: A Reversible N_2 -Fixation System. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1321-1325.	7.2	36
13	Stable Spirocyclic Meisenheimer Complexes. <i>Molecules</i> , 2008, 13, 1282-1302.	1.7	36
14	Mechanistic studies on the reactivity of halodinitrobenzene radical-anion. <i>Journal of Electroanalytical Chemistry</i> , 2000, 488, 64-72.	1.9	30
15	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.	1.7	29
16	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.	4.6	29
17	Thermodynamics, Kinetics, and Dynamics of the Two Alternative Anionolytic Fragmentations of $\text{C}=\text{O}$ Bonds: An Electrochemical and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 4708-4715.	6.6	28
18	Electrochemical Synthesis of Nitroanilines. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 251-259.	1.2	28

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19	Inductive vs Solvation Effects in Primary Alkyl Amines: Determination of the Standard Potentials. <i>Journal of the American Chemical Society</i> , 2007, 129, 2817-2821.	6.6	28
20	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.	1.2	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. <i>Journal of the American Chemical Society</i> , 1996, 118, 5737-5744.	6.6	26
22	Direct coupling of nucleophiles with nitroaromatic compounds via fluoride-promoted oxidative nucleophilic aromatic substitution for hydrogen. <i>Tetrahedron Letters</i> , 2001, 42, 3439-3441.	0.7	26
23	Electrochemical Synthesis of Nitroaromatic Ketones. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 261-267.	1.2	26
24	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.	2.6	26
25	A biocompatible redox MRI probe based on a Mn(II)/Mn(III) porphyrin. <i>Dalton Transactions</i> , 2019, 48, 3249-3262.	1.6	24
26	Sustainable and efficient electrosynthesis of naproxen using carbon dioxide and ionic liquids. <i>Chemosphere</i> , 2020, 245, 125557.	4.2	24
27	Environmental risk index: A tool to assess the safety of dams for leachate. <i>Journal of Hazardous Materials</i> , 2009, 162, 1-9.	6.5	23
28	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.	1.9	22
29	Alkylation of Nitroaromatics with Tetraalkylborate Ion via Electrochemical Oxidation. <i>Journal of Organic Chemistry</i> , 2003, 68, 7334-7341.	1.7	22
30	Electrochemical Synthesis of Alkyl Nitroaromatic Compounds. <i>Journal of Organic Chemistry</i> , 2003, 68, 631-633.	1.7	22
31	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.	1.7	22
32	Reductively activated nucleophilic aromatic substitution of pentafluoronitrobenzene. The SRN2 hypothesis revisited. <i>Tetrahedron Letters</i> , 1993, 34, 2801-2804.	0.7	19
33	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.	1.1	18
34	Thermodynamic Study of H ⁺ Complexes in Nucleophilic Aromatic Substitution Reactions: Relative Stabilities of Electrochemically Generated Radicals. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2463-2472.	1.2	17
35	Electrocarboxylation of halobenzonitriles: An environmentally friendly synthesis of phthalate derivatives. <i>Electrochimica Acta</i> , 2019, 320, 134576.	2.6	17
36	On the electroreduction mechanism of halobenzenes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 219, 197-208.	0.3	16

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37	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.	0.7	16
38	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.	1.0	15
39	Electrochemical mechanism of spiro and zwitterionic Meisenheimer compounds: A potential fluorescence molecular switching system. <i>Electrochemistry Communications</i> , 2007, 9, 173-179.	2.3	15
40	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.	1.4	15
41	Electrocatalytic Processes for the Valorization of CO ₂ : Synthesis of Cyanobenzoic Acid Using Eco-Friendly Strategies. <i>Catalysts</i> , 2019, 9, 413.	1.6	15
42	Theoretical study of the oxidation mechanism of aromatic amines. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 1437-1443.	0.9	13
43	Reductively activated 'polar' nucleophilic aromatic substitution. A new mechanism in aromatic chemistry?. <i>Pure and Applied Chemistry</i> , 1995, 67, 703-710.	0.9	12
44	Estimation of nitrobenzyl radicals reduction potential using spectro-electrochemical techniques. <i>Electrochimica Acta</i> , 2009, 54, 5098-5108.	2.6	12
45	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.	1.0	11
46	Electrosynthesis of Hindered Alkyl Diamines: Evidence for an Electrocatalytic Anodic Mechanism. <i>Journal of Organic Chemistry</i> , 2008, 73, 6647-6656.	1.7	10
47	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, 2339-2343.	1.3	10
48	Electrochemical Reduction of 4-Nitrobenzyl Phenyl Thioether for Activation and Capture of CO ₂ . <i>ChemElectroChem</i> , 2021, 8, 2649-2661.	1.7	10
49	Electronic reduction of haloaromatic compounds. A theoretical study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1989, , 2017-2021.	0.9	9
50	Environmentally benign and selective synthesis of hybrid pyrazole sulfoxide and sulfone ligands. <i>New Journal of Chemistry</i> , 2013, 37, 1889.	1.4	9
51	Cathodically activated nucleophilic aromatic substitution of hydrogen: a novel electrochemical mechanism Electronic supplementary information (ESI) available: Table S1. See http://www.rsc.org/suppdata/cc/b2/b207168a/ . <i>Chemical Communications</i> , 2002, , 2638-2639.	2.2	8
52	Reductively activated nucleophilic aromatic substitution. II. The reaction of p-dinitrobenzene and p-nitrobenzonitrile with charged and neutral nucleophiles. <i>Tetrahedron Letters</i> , 1994, 35, 9055-9058.	0.7	7
53	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.	0.9	7
54	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.	1.0	7

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55	Electrochemically triggered conversion between metacyclophan-1-ene and dihydropyrene molecular switching systems. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1502.	1.3	7
56	Thermal and Optical Characterization of Undoped and Neodymium-Doped $Y_{0.3}Sc_{0.4}O_{12}$ Ceramics. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13781-13789.	1.5	7
57	Electrochemically promoted arylation of iodoaromatics. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 9-16.	1.9	7
58	New smart functional fluorophores based on stable spirocyclic zwitterionic Meisenheimer compounds. <i>Dyes and Pigments</i> , 2018, 153, 160-171.	2.0	7
59	Bidirectional Redox Molecular Switches: Electron-Induced Cyclization and Cycloreversion Processes in Metacyclophanes. <i>Chemistry - A European Journal</i> , 2012, 18, 9807-9812.	1.7	6
60	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.	1.9	6
61	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, 680-689.	1.7	5
62	Side reactions in macroscale electrolysis of halobenzenes in DMF at a mercury cathode. <i>Electrochimica Acta</i> , 1987, 32, 1145-1147.	2.6	4
63	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.	1.7	4
64	Reductively activated α -Polar-nucleophilic aromatic substitution. III. <i>Tetrahedron Letters</i> , 1994, 35, 9059-9062.	0.7	3
65	Reduction of Aromatic Imino Derivatives: Chemical, Electrochemical, and Theoretical Studies. <i>Polycyclic Aromatic Compounds</i> , 2003, 23, 457-470.	1.4	3
66	Oxygen carriers based on electrochemically reduced trinitroarenes. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4456.	1.3	3
67	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, 620-633.	1.1	2
68	From 4-nitrotoluene and 4,4'-dinitrobibenzyl to 4,4'-dinitrostilbene: an electrochemical approach. <i>New Journal of Chemistry</i> , 2018, 42, 7005-7015.	1.4	2
69	On the electroreduction mechanism of halobenzenes: Detection of intermediates in reduction of monohalobenzenes. <i>Collection of Czechoslovak Chemical Communications</i> , 1989, 54, 900-910.	1.0	2
70	On the electroreduction mechanism of halobenzenes: The special case of 1,2-dibromobenzene. <i>Collection of Czechoslovak Chemical Communications</i> , 1989, 54, 911-921.	1.0	2
71	Electrochemical C-H Functionalization of Arenes and Heteroarenes. <i>Topics in Heterocyclic Chemistry</i> , 2013, , 241-275.	0.2	1
72	ELECTROCARBOXYLATION OF SPYROPIRAN SWITCHES THROUGH CARBON-BROMIDE BOND CLEAVAGE REACTION. <i>ChemElectroChem</i> , 0, , .	1.7	1

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73	Electrochemical Synthesis of Alkyl Nitroaromatic Compounds.. ChemInform, 2003, 34, no.	0.1	0
74	Tuning the absorption and emission of CdSe and ZnS core-shell nanoparticles by laser radiation. , 2008,, .		0