Fructuoso Barba

List of Publications by Year
in descending order

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98	1,090	471509 17	552781 26
papers	citations	h-index	g-index

110	110	110	934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Paired Electrosynthesis of Cyanoacetic Acid. Journal of Organic Chemistry, 2004, 69, 2423-2426.	3.2	55
2	CO2 anionâ€“radical in organic carboxylations. Tetrahedron Letters, 2006, 47, 2171-2173.	1.4	45
3	General approach to spiroacenaphthylene pentacyclic systems: direct multicomponent assembling of acenaphthenequinone and cyclic carbonyl compounds with two molecules of malononitrile. Tetrahedron, 2013, 69, 7125-7130.	1.9	45
4	Electrosynthesis of tryptanthrin. Tetrahedron Letters, 2006, 47, 8201-8203.	1.4	44
5	Electrochemically induced Henry reaction of nitromethane and carbonyl compounds. Tetrahedron, 2008, 64, 5915-5919.	1.9	40
6	General non-catalytic approach to spiroacenaphthylene heterocycles: multicomponent assembling of acenaphthenequinone, cyclic CH-acids andÂmalononitrile. Tetrahedron, 2012, 68, 5833-5837.	1.9	39
7	Preparation of 2,6-Dimethyl-4-arylpyridine- 3,5-dicarbonitrile:Â A Paired Electrosynthesisâ€. Journal of Organic Chemistry, 2002, 67, 2369-2371.	3.2	37
8	Electrocatalytic tandem Knoevenagelâ€“Michael addition of barbituric acids to isatins: Facile and efficient way to substituted 5,5â€²-(2-oxo-2,3-dihydro-1H-indole-3,3-diyl)bis(pyrimidine-2,4,6-(1H,3H,5H)-trione) scaffold. Electrochimica Acta, 2011, 56, 8219-8223.	5.2	33
9	Electroreduction of quinones under aprotic conditions. Electrochimica Acta, 2009, 54, 4872-4879.	5.2	28
10	Electrochemical transformation of diazonium salts into diaryl disulfides. Tetrahedron Letters, 2009, 50, 6798-6799.	1.4	24
11	Cathodic Reduction of Phenacyl Azides. Organic Letters, 1999, 1, 1521-1522.	4.6	22
12	Indirect electrochemical oxidation of cyclic ketones: Influence of ring size, mediator and supporting electrolyte on the result of the reaction. Tetrahedron, 1997, 53, 4427-4436.	1.9	20
13	Facile preparation of 3-substituted 2-quinazolinones via electrogenerated base. Tetrahedron, 2018, 74, 2068-2072.	1.9	20
14	Electrochemical Synthesis of 2,4-Diarylfurans. Synthesis, 1981, 1981, 625-626.	2.3	19
15	Cathodic acylation of 1,2-acenaphthenedione. Journal of Organic Chemistry, 1989, 54, 3205-3206.	3.2	19
16	Electrochemically induced aldol reaction of cyclic 1,3-diketones with isatins. Electrochimica Acta, 2010, 55, 2129-2133.	5.2	19
17	Facile Conversion ofo-Quinones into 1,3-Dioxoles. Organic Letters, 2005, 7, 2567-2569.	4.6	18
18	Synthesis of 2,5-Diarylfurans from Phenacyl Bromides. Synthesis, 1984, 1984, 593-595.	2.3	17

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19	Facile electrochemical transformation of diazonium salts into carboxylic acids. Tetrahedron Letters, 2006, 47, 8215-8216.	1.4	16
20	A convenient synthesis of new biological active 5-imino-4-thioxo-2-imidazolidinones involving acetonitrile electrogenerated base. Tetrahedron, 2015, 71, 7654-7657.	1.9	16
21	Indirect electrochemical oxidation of aliphatic ketones mediated by the Naâ€“NaOH system:a facile way to unsaturated conjugated esters. Electrochimica Acta, 1998, 43, 973-976.	5.2	15
22	Cathodic reduction of hydroxycarbonyl compound trichloroacetyl esters. Tetrahedron, 2003, 59, 9161-9165.	1.9	15
23	Electrochemical obtention of cis- and trans-3,6-dimethoxy-3,6-dimethyl-1,4-cyclohexadienes. Journal of Organic Chemistry, 1984, 49, 3022-3024.	3.2	14
24	Indirect electrochemical oxidation of cyclic ketones: Strong influence of ring size on the result of the reaction. Tetrahedron Letters, 1996, 37, 5759-5762.	1.4	14
25	One-pot electrosynthesis of 2,3-bis(spiro-2-indanyl-1,3-dione)-indeno[1,2-b]furan-4-one. Tetrahedron Letters, 2007, 48, 6437-6441.	1.4	14
26	One-Pot Formation of 1,3,4-Oxadiazol-2(3H)-ones and Dibenzo[c,e]azepines by Concomitant Cathodic Reduction of Diazonium Salts and Phenanthrenequinones. Journal of Organic Chemistry, 2013, 78, 9477-9481.	3.2	14
27	Electrochemical reduction of phthalyl chloride. A new route for the synthesis of 3-substituted phthalides. Tetrahedron Letters, 1986, 27, 4063-4066.	1.4	13
28	A novel and convenient electrochemical synthesis of 3,7-diaryl-2H-imidazo[2,1-b][1,3,4]oxadiazines. Journal of Organic Chemistry, 1993, 58, 6889-6891.	3.2	13
29	Electrosynthesis of N-Substituted Imidazole-2-thiones. Synthesis, 1999, 1999, 1809-1813.	2.3	13
30	Microwave Reaction of Diazonium Salts with Nitriles. Journal of Chemical Research, 2008, 2008, 492-494.	1.3	13
31	Electrolysis of 4-aryl-2-methylfurans. Tetrahedron Letters, 1992, 33, 3911-3914.	1.4	12
32	Facile and Efficient Transformation of Xanthates into Thiocarbonates by Anodic Oxidation. Journal of Organic Chemistry, 2001, 66, 320-322.	3.2	12
33	Electrochemical preparation of Î±,Î±â€²-dicarbonylselenides. Tetrahedron, 2004, 60, 4609-4612.	1.9	12
34	Microwave-assisted conversion of carbonyl compounds into formylated secondary amines: new contribution to the Leuckart reaction mechanism in N-methylformamide. Tetrahedron Letters, 2013, 54, 1835-1838.	1.4	12
35	Electrochemical synthesis of 3-phenylcinnamonitrile by reduction of benzophenone in acetonitrile. Electrochemistry Communications, 2003, 5, 349-353.	4.7	11
36	Synthesis of new derivatives of a representative o-quinone scaffold by reduction at the electrode. Tetrahedron, 2012, 68, 5979-5983.	1.9	11

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37	Reductive electrochemical formation of 6H-dibenzo[b,d]pyran-6-one and 2-benzopyran-1(1H)-one. Tetrahedron Letters, 2014, 55, 82-85.	1.4	11
38	Electrochemical methoxylation of acenaphthylene. A stereoselective effect of anode material. Electrochimica Acta, 1982, 27, 1621.	5.2	10
39	5-cyclopentyl-5-hydroxypentanoic and 4-(2â€²-hydroxycyclohexyl)-butanoic acids lactones obtention by anodic oxidation of 1-decalone. Tetrahedron Letters, 1982, 23, 463-464.	1.4	10
40	.alpha.-Formyloxycarbonyl Compounds from the Anodic Oxidation of Enol Carbonates. Journal of Organic Chemistry, 1995, 60, 5658-5660.	3.2	10
41	Electrosynthesis of 2-benzhydrylidene-4,4-diphenyl-[1,3]oxathiolan-5-one: The reaction pathway.. Tetrahedron, 1996, 52, 1259-1266.	1.9	10
42	Electrohydrodimerization of trans-cinnamaldehyde. Tetrahedron, 1997, 53, 5831-5838.	1.9	10
43	Electron transfer in the cathodic reduction of Î±-dicarbonyl compounds. Tetrahedron, 2008, 64, 1834-1838.	1.9	10
44	Electrochemical Reduction of 2,2-Dibromoacetophenone.. Acta Chemica Scandinavica, 1999, 53, 910-912.	0.7	10
45	A new carbene route for the electrochemical reduction of phenacyl bromide. Journal of Electroanalytical Chemistry, 1993, 345, 457-461.	3.8	9
46	Electrosynthesis of 3-Chloro-1,4-disubstituted-2(1H)- quinolinones and 3,3-Dichloro-4-hydroxy-1,4-disubstituted- 3,4-dihydro-2(1H)-quinolinones, as Well as a New Convenient Process to Dioxindolesâ€. Journal of Organic Chemistry, 2003, 68, 3706-3709.	3.2	9
47	Electrocatalytic Fast and Efficient Aldol Addition of Pyrazoline-5-ones to Isatine. Journal of the Electrochemical Society, 2014, 161, G48-G53.	2.9	9
48	Cathodic reduction of 1,2-dibenzoylchloroethane. Formation of cyclic dimolecular products. Journal of Organic Chemistry, 1993, 58, 7685-7687.	3.2	8
49	Electrocatalytic Aldol Addition of Cyclic 1,3-Ketoesters to Isatins: Acetone as a Solvent for the Efficient and Facile Electrochemically Induced Way to 3-Substituted-3-Hydroxyindol-2-One Scaffold. Journal of the Electrochemical Society, 2012, 159, G123-G127.	2.9	8
50	Electrochemical transformation of DDT into new 2-(Bis(4-chlorophenyl)methylene) and 2-(Bis(4-chlorophenyl)methyl)phenanthro[9,10-d][1,3]dioxoles. Tetrahedron Letters, 2016, 57, 2290-2293.	1.4	8
51	Electrocatalytic Cascade Reaction of Aldehydes and 4-Hydroxy-6-methyl-2H-pyran-2-one. Electrocatalysis, 2018, 9, 602-607.	3.0	8
52	Indirect, anodic oxidation of d-glucitol in aqueous calcium iodide. Carbohydrate Research, 1982, 105, 158-164.	2.3	7
53	Electrochemical Oxidation of Î±-Bromoketones into Esters. Mendeleev Communications, 1995, 5, 186-187.	1.6	7
54	Electrochemical reduction of the anion of 1-isoquinolinecarboxylic acid: an unexpected reaction of cathodic decarboxylation. Electrochemistry Communications, 2004, 6, 595-599.	4.7	7

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55	Electrosynthesis of pyridines from â€˜only acetonitrileâ€™. Tetrahedron Letters, 2005, 46, 8681-8683.	1.4	7
56	Electrogeneration and Structural Discussion of 6-Benzyl-3,5-diphenylhydroxypyranones. Heterocycles, 1994, 38, 1339.	0.7	7
57	Anodic oxidation of 2- and 3-methylcyclohexanones. Electrochimica Acta, 1986, 31, 83-84.	5.2	6
58	Regioselective Electrochemical Synthesis of Enol Carbonates. Synthesis, 1992, 1992, 1215-1216.	2.3	6
59	Surprising formation of a new sulphurated heterocycle by cathodic reduction of 2-bromo-2,2-diphenylacetyl bromide. Tetrahedron Letters, 1994, 35, 9623-9624.	1.4	6
60	Electrochemical Synthesis of 5-Amino-4-benzoyl-3-phenylfuran-2-carbonitrile. Heterocycles, 2000, 53, 1337.	0.7	6
61	A new proposed mechanism for the cathodic reduction of a carbonâ€“chlorine bond in 2-acetylphenyltrichloroacetate. Electrochemistry Communications, 2001, 3, 595-598.	4.7	6
62	Cathodic reduction of phenacyl thiocyanate. Electrochimica Acta, 2002, 47, 1761-1764.	5.2	6
63	Electrochemical dimerization of phenacyl bromides N-acylhydrazonesâ€”a new way to 1-N-acylamino-2,5-diaryl-pyrroles. Tetrahedron, 2004, 60, 10787-10792.	1.9	6
64	Anodic Oxidation of Caffeine and Theophylline in Glacial Acetic Acid. ChemistrySelect, 2016, 1, 414-416.	1.5	6
65	Electrogenerated superoxide anion: Hydroxylation of electroreducible substrates in aprotic solvent. Journal of Electroanalytical Chemistry, 2017, 793, 66-69.	3.8	6
66	Synthesis of 1,2,3-Triazoles. Heterocycles, 2004, 63, 1175.	0.7	6
67	Preparation of 2H-Pyrrolo[2,1-b][1,3,4]oxadiazines: A New Class of Compounds. Synthesis, 1994, 1994, 555-556.	2.3	5
68	Stereoselective Cyclopropanation to Homoquinones from Phenacyl Carbenes Obtained through Quinone-Electrogenerated Bases. Journal of Organic Chemistry, 2017, 82, 6778-6785.	3.2	5
69	Preparation of novel mesoionic compounds: A reversible photochromic process. Tetrahedron Letters, 1994, 35, 6355-6356.	1.4	4
70	Cathodic Reduction of Enediol Diesters Obtained by Electrochemical Methods. Synthetic Communications, 1994, 24, 907-915.	2.1	4
71	Diastereoselective Electrosynthesis of (Â±)-(2R,4S,6R)-6-[(Z)-1â€˜-Bromo-2â€˜-phenylethenyl]-2,4-dimethyltetra- hydropyran-2,4-diol. Journal of Organic Chemistry, 1996, 61, 8662-8663.	3.2	4
72	Cathodic reduction of 2-bromo-2, 2-diphenylacetyl bromide in the presence of H2S. Electrochimica Acta, 1997, 42, 2173-2176.	5.2	4

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73	Electrosynthesis of Halogenated Î´-Lactones. European Journal of Organic Chemistry, 2011, 2011, 4681-4686.	2.4	4
74	Electroinduced Carbene Formation in the Cathodic Reduction of 1,2-Dicarbonyl Compounds via Electron-Transfer to the Solvent. Electrochimica Acta, 2015, 167, 207-212.	5.2	4
75	One-pot anodic lactonization of Fenchone and Menthone and electrosynthesis of a new magnolione analogue. Electrochemistry Communications, 2016, 66, 29-33.	4.7	4
76	Anodic electrogeneration of a stable biradical. Tetrahedron Letters, 1976, 17, 557-560.	1.4	3
77	Electrochemical synthesis of 3,5-diphenyl-2(3H)-furanone. Journal of Heterocyclic Chemistry, 1982, 19, 669-669.	2.6	3
78	Cathodic reduction of benzil in acetone and in dichloromethane. Electrochimica Acta, 2008, 53, 2674-2678.	5.2	3
79	Cathodic reduction of diazonium salts in aprotic medium. Electrochemistry Communications, 2010, 12, 973-976.	4.7	3
80	Anodic formation of 3,6-diaryl-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazoles and 2(3-aryl-5-methyl-1H-[1,2,4]triazol-1-yl)-5-aryl-1,3,4-thiadiazoles. Tetrahedron, 2011, 67, 3076-3080.	1.9	3
81	Facile synthesis of 2-methyl-4-aryl-1H-pyrrole-3-carbonitriles by cathodic reduction of acetonitrile. Tetrahedron Letters, 2016, 57, 4673-4675.	1.4	3
82	Novel mesoionic compounds derived from 3,7-diaryl-2H-imidazo[2,1-b][1,3,4]oxadiazines. Tetrahedron, 1995, 51, 2023-2028.	1.9	2
83	Cathodic reduction of 2-bromo-2-nitropropane in the presence of dipolarophiles. Electrochimica Acta, 1997, 42, 2177-2180.	5.2	2
84	Cathodic Reduction of O-Ethyl S-Phenacyl Dithiocarbonate. Journal of Chemical Research, 2000, 2000, 332-333.	1.3	2
85	Cathodic Reduction of Dicarbonyl Compounds. ECS Transactions, 2010, 25, 25-34.	0.5	2
86	Selective cathodic reduction of 3,7-diaryl-2H-imidazo[2,1-b][1,3,4]oxadiazines. Electrochimica Acta, 1995, 40, 2779-2783.	5.2	1
87	Cathodic reduction of enediol diesters obtained by electrochemical methodsâ€"II. Electrochimica Acta, 1997, 42, 2181-2184.	5.2	1
88	Cathodic electrochemical regiospecific hydroxylation of isoquinoline and quinoline via their carboxylic acids. Electrochemistry Communications, 2005, 7, 745-750.	4.7	1
89	Synthesis and Characterization of Benzylidene Bis-Dithiobenzoate. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1691-1699.	1.6	1
90	Influence of the concentration in the anodic oxidations of Î±-chloro-ethylbenzene or toluene in acetonitrile. Electrochemistry Communications, 2006, 8, 1683-1686.	4.7	1

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91	Reduction of 1,2-dicarbonyl compounds and of their N-phenylimine derivatives by sodium cyanide under aprotic conditions. Comptes Rendus Chimie, 2015, 18, 1284-1288.	0.5	1
92	Electrosynthesis of Oxazolâ€2(3 H)â€Ones and Diaroylhydrazines from 1,2â€Dicarbonyl Compounds and Arenediazonium Salts. ChemElectroChem, 2019, 6, 4246-4251.	3.4	1
93	Electrosynthesis of Heterocyclic Compounds and Other Alternative Electrosynthetic Processes. , 1998, , 271-274.		0
94	Synthesis of 1,2,3-Triazoles.. ChemInform, 2004, 35, no.	0.0	0
95	Electrochemical Preparation of Î±,Î±â€²-Dicarbonylselenides.. ChemInform, 2004, 35, no.	0.0	0
96	Electrochemical Dimerization of Phenacyl Bromides N-Acylhydrazones ? A New Way to 1-N-Acylamino-2,5-diaryl-pyrroles.. ChemInform, 2005, 36, no.	0.0	0
97	Facile Conversion of o-Quinones into 1,3-Dioxoles.. ChemInform, 2005, 36, no.	0.0	0
98	The Reduction of Diazonium Salts in Organic Synthesis. ECS Meeting Abstracts, 2011, , .	0.0	0