

Fructuoso Barba

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6090229/publications.pdf>

Version: 2024-02-01

98
papers

1,090
citations

471509

17
h-index

552781

26
g-index

110
all docs

110
docs citations

110
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrosynthesis of Oxazolâ€“(3 H)â€“ones and Diaroylhydrazines from 1,2â€“dicarbonyl Compounds and Arenediazonium Salts. <i>ChemElectroChem</i> , 2019, 6, 4246-4251.	3.4	1
2	Facile preparation of 3-substituted 2-quinazolinones via electrogenerated base. <i>Tetrahedron</i> , 2018, 74, 2068-2072.	1.9	20
3	Electrocatalytic Cascade Reaction of Aldehydes and 4-Hydroxy-6-methyl-2H-pyran-2-one. <i>Electrocatalysis</i> , 2018, 9, 602-607.	3.0	8
4	Stereoselective Cyclopropanation to Homoquinones from Phenacyl Carbenes Obtained through Quinone-Electrogenerated Bases. <i>Journal of Organic Chemistry</i> , 2017, 82, 6778-6785.	3.2	5
5	Electrogenerated superoxide anion: Hydroxylation of electroreducible substrates in aprotic solvent. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 66-69.	3.8	6
6	Electrochemical transformation of DDT into new 2-(Bis(4-chlorophenyl)methylene) and 2-(Bis(4-chlorophenyl)methyl)phenanthro[9,10-d][1,3]dioxoles. <i>Tetrahedron Letters</i> , 2016, 57, 2290-2293.	1.4	8
7	Facile synthesis of 2-methyl-4-aryl-1H-pyrrole-3-carbonitriles by cathodic reduction of acetonitrile. <i>Tetrahedron Letters</i> , 2016, 57, 4673-4675.	1.4	3
8	Anodic Oxidation of Caffeine and Theophylline in Glacial Acetic Acid. <i>ChemistrySelect</i> , 2016, 1, 414-416.	1.5	6
9	One-pot anodic lactonization of Fenchone and Menthone and electrosynthesis of a new magnolione analogue. <i>Electrochemistry Communications</i> , 2016, 66, 29-33.	4.7	4
10	A convenient synthesis of new biological active 5-imino-4-thioxo-2-imidazolidinones involving acetonitrile electrogenerated base. <i>Tetrahedron</i> , 2015, 71, 7654-7657.	1.9	16
11	Electroinduced Carbene Formation in the Cathodic Reduction of 1,2-Dicarbonyl Compounds via Electron-Transfer to the Solvent. <i>Electrochimica Acta</i> , 2015, 167, 207-212.	5.2	4
12	Reduction of 1,2-dicarbonyl compounds and of their N-phenylimine derivatives by sodium cyanide under aprotic conditions. <i>Comptes Rendus Chimie</i> , 2015, 18, 1284-1288.	0.5	1
13	Electrocatalytic Fast and Efficient Aldol Addition of Pyrazoline-5-ones to Isatine. <i>Journal of the Electrochemical Society</i> , 2014, 161, G48-G53.	2.9	9
14	Reductive electrochemical formation of 6H-dibenzo[b,d]pyran-6-one and 2-benzopyran-1(1H)-one. <i>Tetrahedron Letters</i> , 2014, 55, 82-85.	1.4	11
15	One-Pot Formation of 1,3,4-Oxadiazol-2(3 <i>H</i>)-ones and Dibenzo[<i>c</i> , <i>e</i>]azepines by Concomitant Cathodic Reduction of Diazonium Salts and Phenanthrenequinones. <i>Journal of Organic Chemistry</i> , 2013, 78, 9477-9481.	3.2	14
16	Microwave-assisted conversion of carbonyl compounds into formylated secondary amines: new contribution to the Leuckart reaction mechanism in N-methylformamide. <i>Tetrahedron Letters</i> , 2013, 54, 1835-1838.	1.4	12
17	General approach to spiroacenaphthylene pentacyclic systems: direct multicomponent assembling of acenaphthenequinone and cyclic carbonyl compounds with two molecules of malononitrile. <i>Tetrahedron</i> , 2013, 69, 7125-7130.	1.9	45
18	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. <i>Journal of the Electrochemical Society</i> , 2012, 159, G123-G127.	2.9	8

#	ARTICLE	IF	CITATIONS
19	General non-catalytic approach to spiroacenaphthylene heterocycles: multicomponent assembling of acenaphthenequinone, cyclic CH-acids and Malononitrile. <i>Tetrahedron</i> , 2012, 68, 5833-5837.	1.9	39
20	Synthesis of new derivatives of a representative o-quinone scaffold by reduction at the electrode. <i>Tetrahedron</i> , 2012, 68, 5979-5983.	1.9	11
21	The Reduction of Diazonium Salts in Organic Synthesis. ECS Meeting Abstracts, 2011, , .	0.0	0
22	Electrocatalytic tandem Knoevenagel-Michael addition of barbituric acids to isatins: Facile and efficient way to substituted 5,5-(2-oxo-2,3-dihydro-1H-indole-3,3-diyl)bis(pyrimidine-2,4,6-(1H,3H,5H)-trione) scaffold. <i>Electrochimica Acta</i> , 2011, 56, 8219-8223.	5.2	33
23	Electrosynthesis of Halogenated β -Lactones. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4681-4686.	2.4	4
24	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. <i>Tetrahedron</i> , 2011, 67, 3076-3080.	1.9	3
25	Cathodic Reduction of Dicarbonyl Compounds. <i>ECS Transactions</i> , 2010, 25, 25-34.	0.5	2
26	Electrochemically induced aldol reaction of cyclic 1,3-diketones with isatins. <i>Electrochimica Acta</i> , 2010, 55, 2129-2133.	5.2	19
27	Cathodic reduction of diazonium salts in aprotic medium. <i>Electrochemistry Communications</i> , 2010, 12, 973-976.	4.7	3
28	Electrochemical transformation of diazonium salts into diaryl disulfides. <i>Tetrahedron Letters</i> , 2009, 50, 6798-6799.	1.4	24
29	Electroreduction of quinones under aprotic conditions. <i>Electrochimica Acta</i> , 2009, 54, 4872-4879.	5.2	28
30	Cathodic reduction of benzil in acetone and in dichloromethane. <i>Electrochimica Acta</i> , 2008, 53, 2674-2678.	5.2	3
31	Electron transfer in the cathodic reduction of α -dicarbonyl compounds. <i>Tetrahedron</i> , 2008, 64, 1834-1838.	1.9	10
32	Electrochemically induced Henry reaction of nitromethane and carbonyl compounds. <i>Tetrahedron</i> , 2008, 64, 5915-5919.	1.9	40
33	Microwave Reaction of Diazonium Salts with Nitriles. <i>Journal of Chemical Research</i> , 2008, 2008, 492-494.	1.3	13
34	One-pot electrosynthesis of 2,3-bis(spiro-2-indanyl-1,3-dione)-indeno[1,2-b]furan-4-one. <i>Tetrahedron Letters</i> , 2007, 48, 6437-6441.	1.4	14
35	Influence of the concentration in the anodic oxidations of α -chloro-ethylbenzene or toluene in acetonitrile. <i>Electrochemistry Communications</i> , 2006, 8, 1683-1686.	4.7	1
36	CO ₂ anion radical in organic carboxylations. <i>Tetrahedron Letters</i> , 2006, 47, 2171-2173.	1.4	45

#	ARTICLE	IF	CITATIONS
37	Electrosynthesis of tryptanthrin. <i>Tetrahedron Letters</i> , 2006, 47, 8201-8203.	1.4	44
38	Facile electrochemical transformation of diazonium salts into carboxylic acids. <i>Tetrahedron Letters</i> , 2006, 47, 8215-8216.	1.4	16
39	Electrosynthesis of pyridines from α -only acetonitrile TM . <i>Tetrahedron Letters</i> , 2005, 46, 8681-8683.	1.4	7
40	Cathodic electrochemical regiospecific hydroxylation of isoquinoline and quinoline via their carboxylic acids. <i>Electrochemistry Communications</i> , 2005, 7, 745-750.	4.7	1
41	Electrochemical Dimerization of Phenacyl Bromides N-Acylhydrazones ? A New Way to 1-N-Acylamino-2,5-diaryl-pyrroles.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
42	Facile Conversion of o-Quinones into 1,3-Dioxoles.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
43	Facile Conversion of o-Quinones into 1,3-Dioxoles. <i>Organic Letters</i> , 2005, 7, 2567-2569.	4.6	18
44	Synthesis and Characterization of Benzylidene Bis-Dithiobenzoate. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1691-1699.	1.6	1
45	Electrochemical preparation of α,α -dicarbonylselenides. <i>Tetrahedron</i> , 2004, 60, 4609-4612.	1.9	12
46	Electrochemical dimerization of phenacyl bromides N-acylhydrazones TM a new way to 1-N-acylamino-2,5-diaryl-pyrroles. <i>Tetrahedron</i> , 2004, 60, 10787-10792.	1.9	6
47	Synthesis of 1,2,3-Triazoles.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
48	Electrochemical Preparation of α,α -Dicarbonylselenides.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
49	Electrochemical reduction of the anion of 1-isoquinolinecarboxylic acid: an unexpected reaction of cathodic decarboxylation. <i>Electrochemistry Communications</i> , 2004, 6, 595-599.	4.7	7
50	Paired Electrosynthesis of Cyanoacetic Acid. <i>Journal of Organic Chemistry</i> , 2004, 69, 2423-2426.	3.2	55
51	Synthesis of 1,2,3-Triazoles. <i>Heterocycles</i> , 2004, 63, 1175.	0.7	6
52	Cathodic reduction of hydroxycarbonyl compound trichloroacetyl esters. <i>Tetrahedron</i> , 2003, 59, 9161-9165.	1.9	15
53	Electrochemical synthesis of 3-phenylcinnamitrile by reduction of benzophenone in acetonitrile. <i>Electrochemistry Communications</i> , 2003, 5, 349-353.	4.7	11
54	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 Dioxindoles TM . <i>Journal of Organic Chemistry</i> , 2003, 68, 3706-3709.	3.2	9

#	ARTICLE	IF	CITATIONS
55	Cathodic reduction of phenacyl thiocyanate. <i>Electrochimica Acta</i> , 2002, 47, 1761-1764.	5.2	6
56	Preparation of 2,6-Dimethyl-4-arylpyridine-3,5-dicarbonitrile: A Paired Electrosynthesis. <i>Journal of Organic Chemistry</i> , 2002, 67, 2369-2371.	3.2	37
57	Facile and Efficient Transformation of Xanthates into Thiocarbonates by Anodic Oxidation. <i>Journal of Organic Chemistry</i> , 2001, 66, 320-322.	3.2	12
58	A new proposed mechanism for the cathodic reduction of a carbon-chlorine bond in 2-acetylphenyltrichloroacetate. <i>Electrochemistry Communications</i> , 2001, 3, 595-598.	4.7	6
59	Cathodic Reduction of O-Ethyl S-Phenacyl Dithiocarbonate. <i>Journal of Chemical Research</i> , 2000, 2000, 332-333.	1.3	2
60	Electrochemical Synthesis of 5-Amino-4-benzoyl-3-phenylfuran-2-carbonitrile. <i>Heterocycles</i> , 2000, 53, 1337.	0.7	6
61	Electrosynthesis of N-Substituted Imidazole-2-thiones. <i>Synthesis</i> , 1999, 1999, 1809-1813.	2.3	13
62	Cathodic Reduction of Phenacyl Azides. <i>Organic Letters</i> , 1999, 1, 1521-1522.	4.6	22
63	Electrochemical Reduction of 2,2-Dibromoacetophenone. <i>Acta Chemica Scandinavica</i> , 1999, 53, 910-912.	0.7	10
64	Indirect electrochemical oxidation of aliphatic ketones mediated by the NaOH system: a facile way to unsaturated conjugated esters. <i>Electrochimica Acta</i> , 1998, 43, 973-976.	5.2	15
65	Electrosynthesis of Heterocyclic Compounds and Other Alternative Electrosynthetic Processes. , 1998, , 271-274.		0
66	Electrohydrodimerization of trans-cinnamaldehyde. <i>Tetrahedron</i> , 1997, 53, 5831-5838.	1.9	10
67	Indirect electrochemical oxidation of cyclic ketones: Influence of ring size, mediator and supporting electrolyte on the result of the reaction. <i>Tetrahedron</i> , 1997, 53, 4427-4436.	1.9	20
68	Cathodic reduction of 2-bromo-2,2-diphenylacetyl bromide in the presence of H ₂ S. <i>Electrochimica Acta</i> , 1997, 42, 2173-2176.	5.2	4
69	Cathodic reduction of 2-bromo-2-nitropropane in the presence of dipolarophiles. <i>Electrochimica Acta</i> , 1997, 42, 2177-2180.	5.2	2
70	Cathodic reduction of enediol diesters obtained by electrochemical methods II. <i>Electrochimica Acta</i> , 1997, 42, 2181-2184.	5.2	1
71	Diastereoselective Electrosynthesis of (±)-(2R,4S,6R)-6-[(Z)-1-bromo-2-phenylethenyl]-2,4-dimethyltetrahydropyran-2,4-diol. <i>Journal of Organic Chemistry</i> , 1996, 61, 8662-8663.	3.2	4
72	Electrosynthesis of 2-benzhydrylidene-4,4-diphenyl-[1,3]oxathiolan-5-one: The reaction pathway. <i>Tetrahedron</i> , 1996, 52, 1259-1266.	1.9	10

#	ARTICLE	IF	CITATIONS
73	Indirect electrochemical oxidation of cyclic ketones: Strong influence of ring size on the result of the reaction. <i>Tetrahedron Letters</i> , 1996, 37, 5759-5762.	1.4	14
74	Selective cathodic reduction of 3,7-diaryl-2H-imidazo[2,1-b][1,3,4]oxadiazines. <i>Electrochimica Acta</i> , 1995, 40, 2779-2783.	5.2	1
75	Novel mesoionic compounds derived from 3,7-diaryl-2H-imidazo[2,1-b][1,3,4]oxadiazines. <i>Tetrahedron</i> , 1995, 51, 2023-2028.	1.9	2
76	Electrochemical Oxidation of α -Bromoketones into Esters. <i>Mendeleev Communications</i> , 1995, 5, 186-187.	1.6	7
77	α -Formyloxycarbonyl Compounds from the Anodic Oxidation of Enol Carbonates. <i>Journal of Organic Chemistry</i> , 1995, 60, 5658-5660.	3.2	10
78	Preparation of 2H-Pyrrolo[2,1-b][1,3,4]oxadiazines: A New Class of Compounds. <i>Synthesis</i> , 1994, 1994, 555-556.	2.3	5
79	Preparation of novel mesoionic compounds: A reversible photochromic process. <i>Tetrahedron Letters</i> , 1994, 35, 6355-6356.	1.4	4
80	Surprising formation of a new sulphurated heterocycle by cathodic reduction of 2-bromo-2,2-diphenylacetyl bromide. <i>Tetrahedron Letters</i> , 1994, 35, 9623-9624.	1.4	6
81	Cathodic Reduction of Enediol Diesters Obtained by Electrochemical Methods. <i>Synthetic Communications</i> , 1994, 24, 907-915.	2.1	4
82	Electrogeneration and Structural Discussion of 6-Benzyl-3,5-diphenylhydroxypyranones. <i>Heterocycles</i> , 1994, 38, 1339.	0.7	7
83	A new carbene route for the electrochemical reduction of phenacyl bromide. <i>Journal of Electroanalytical Chemistry</i> , 1993, 345, 457-461.	3.8	9
84	Cathodic reduction of 1,2-dibenzoylchloroethane. Formation of cyclic dimolecular products. <i>Journal of Organic Chemistry</i> , 1993, 58, 7685-7687.	3.2	8
85	A novel and convenient electrochemical synthesis of 3,7-diaryl-2H-imidazo[2,1-b][1,3,4]oxadiazines. <i>Journal of Organic Chemistry</i> , 1993, 58, 6889-6891.	3.2	13
86	Regioselective Electrochemical Synthesis of Enol Carbonates. <i>Synthesis</i> , 1992, 1992, 1215-1216.	2.3	6
87	Electrolysis of 4-aryl-2-methylfurans. <i>Tetrahedron Letters</i> , 1992, 33, 3911-3914.	1.4	12
88	Cathodic acylation of 1,2-acenaphthenedione. <i>Journal of Organic Chemistry</i> , 1989, 54, 3205-3206.	3.2	19
89	Anodic oxidation of 2- and 3-methylcyclohexanones. <i>Electrochimica Acta</i> , 1986, 31, 83-84.	5.2	6
90	Electrochemical reduction of phthalyl chloride. A new route for the synthesis of 3-substituted phthalides. <i>Tetrahedron Letters</i> , 1986, 27, 4063-4066.	1.4	13

#	ARTICLE	IF	CITATIONS
91	Synthesis of 2,5-Diarylfurans from Phenacyl Bromides. <i>Synthesis</i> , 1984, 1984, 593-595.	2.3	17
92	Electrochemical obtention of cis- and trans-3,6-dimethoxy-3,6-dimethyl-1,4-cyclohexadienes. <i>Journal of Organic Chemistry</i> , 1984, 49, 3022-3024.	3.2	14
93	Electrochemical synthesis of 3,5-diphenyl-2(3H)-furanone. <i>Journal of Heterocyclic Chemistry</i> , 1982, 19, 669-669.	2.6	3
94	Electrochemical methoxylation of acenaphthylene. A stereoselective effect of anode material. <i>Electrochimica Acta</i> , 1982, 27, 1621.	5.2	10
95	Indirect, anodic oxidation of d-glucitol in aqueous calcium iodide. <i>Carbohydrate Research</i> , 1982, 105, 158-164.	2.3	7
96	5-cyclopentyl-5-hydroxypentanoic and 4-(2-hydroxycyclohexyl)-butanoic acids lactones obtention by anodic oxidation of 1-decalone. <i>Tetrahedron Letters</i> , 1982, 23, 463-464.	1.4	10
97	Electrochemical Synthesis of 2,4-Diarylfurans. <i>Synthesis</i> , 1981, 1981, 625-626.	2.3	19
98	Anodic electrogeneration of a stable biradical. <i>Tetrahedron Letters</i> , 1976, 17, 557-560.	1.4	3