Davood Nematollahi

List of Publications by Year
in descending order

353	7,294	66234	118652
papers	citations	42 h-index	62 g-index

374	374	374	4174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrochemical oxidation of acetaminophen in aqueous solutions: Kinetic evaluation of hydrolysis, hydroxylation and dimerization processes. Electrochimica Acta, 2009, 54, 7407-7415.	2.6	246
2	A comprehensive study on the electrocatalytic degradation, electrochemical behavior and degradation mechanism of malachite green using electrodeposited nanostructured Î²-PbO2 electrodes. Water Research, 2018, 144, 462-473.	5.3	152
3	Convergent paired electrocatalytic degradation of p-dinitrobenzene by Ti/SnO2-Sb/Î²-PbO2 anode. A new insight into the electrochemical degradation mechanism. Applied Catalysis B: Environmental, 2020, 261, 118226.	10.8	143
4	Electrochemically Assisted Self-Assembly Technique for the Fabrication of Mesoporous Metalâ€“Organic Framework Thin Films: Composition of 3D Hexagonally Packed Crystals with 2D Honeycomb-like Mesopores. Journal of the American Chemical Society, 2017, 139, 4753-4761.	6.6	125
5	A Facile Electrochemical Method for Synthesis of New Benzofuran Derivatives. Journal of Organic Chemistry, 2004, 69, 2637-2640.	1.7	105
6	Electrochemical study of catechol and some 3-substituted catechols in the presence of 4-hydroxy coumarin: application to the electro-organic synthesis of new coumestan derivatives. Journal of Electroanalytical Chemistry, 1997, 420, 127-134.	1.9	103
7	Electroorganic Synthesis of Catecholthioethers. Journal of Organic Chemistry, 2005, 70, 7769-7772.	1.7	97
8	Diversity in electrochemical oxidation of dihydroxybenzoic acids in the presence of acetylacetone. A green method for synthesis of new benzofuran derivatives. Green Chemistry, 2005, 7, 638.	4.6	95
9	Electrochemical oxidation of catechols in the presence of acetylacetone. Journal of Electroanalytical Chemistry, 2004, 566, 31-37.	1.9	91
10	Electroorganic Synthesis of New Benzofuro[2,3-d]pyrimidine Derivatives. Journal of Organic Chemistry, 2002, 67, 5036-5039.	1.7	90
11	Mechanistic study of electrochemical oxidation of 4-tert-butylcatechol. Electrochimica Acta, 2004, 49, 2495-2502.	2.6	90
12	Application of a fluidized three-dimensional electrochemical reactor with Ti/SnO2â€“Sb/Î²-PbO2 anode and granular activated carbon particles for degradation and mineralization of 2,4-dichlorophenol: Process optimization and degradation pathway. Chemosphere, 2021, 279, 130640.	4.2	80
13	Enhanced electrocatalytic degradation of bisphenol A by graphite/Î²-PbO2 anode in a three-dimensional electrochemical reactor. Journal of Environmental Chemical Engineering, 2021, 9, 106072.	3.3	79
14	Electrosynthesis of Symmetric and Highly Conjugated Benzofuran via a Unique ECECCC Electrochemical Mechanism:Â Evidence for Predominance of Electrochemical Oxidation versus Intramolecular Cyclization. Journal of Organic Chemistry, 2007, 72, 3646-3651.	1.7	77
15	Electrochemical study of catechol and 4-methylcatechol in methanol. Application to the electro-organic synthesis of 4,5-dimethoxy-and 4-methoxy-5-methyl-o-benzoquinone. Journal of Electroanalytical Chemistry, 1996, 405, 133-140.	1.9	73
16	Electro-oxidation of catechols in the presence of benzenesulfinic acid. Application to electro-organic synthesis of new sulfone derivatives. Journal of Electroanalytical Chemistry, 2002, 520, 145-149.	1.9	69
17	A combined advanced oxidation process: Electrooxidation-ozonation for antibiotic ciprofloxacin removal from aqueous solution. Journal of Electroanalytical Chemistry, 2018, 808, 82-89.	1.9	69
18	Mechanistic study of homogeneous reactions coupled with electrochemical oxidation of catechols. Journal of the Iranian Chemical Society, 2009, 6, 448-476.	1.2	68

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19	Electrochemical study of 3,4-dihydroxybenzoic acid and 4- tert -butylcatechol in the presence of 4-hydroxycoumarin application to the electro-organic synthesis of coumestan derivatives. Journal of Electroanalytical Chemistry, 1997, 430, 141-146.	1.9	67
20	Electrocatalytic degradation of diuron herbicide using three-dimensional carbon felt/Î²-PbO2 anode as a highly porous electrode: Influencing factors and degradation mechanisms. Chemosphere, 2021, 276, 130141.	4.2	67
21	Electrochemical oxidation of quercetin in the presence of benzenesulfinic acids. Journal of Electroanalytical Chemistry, 2003, 547, 191-195.	1.9	66
22	Parameter optimization and degradation mechanism for electrocatalytic degradation of 2,4-diclorophenoxyacetic acid (2,4-D) herbicide by lead dioxide electrodes. RSC Advances, 2019, 9, 5064-5075.	1.7	62
23	Improved degradation of diuron herbicide and pesticide wastewater treatment in a three-dimensional electrochemical reactor equipped with PbO2 anodes and granular activated carbon particle electrodes. Journal of Cleaner Production, 2021, 322, 129094.	4.6	61
24	Electrochemical oxidation of some dihydroxybenzene derivatives in the presence of indole. Journal of Electroanalytical Chemistry, 2008, 616, 79-86.	1.9	58
25	Electrodegradation of 2,4-dichlorophenoxyacetic acid herbicide from aqueous solution using three-dimensional electrode reactor with G/Î²-PbO₂anode: Taguchi optimization and degradation mechanism determination. RSC Advances, 2018, 8, 39256-39268.	1.7	58
26	Kinetic study of the oxidation of some catecholamines by digital simulation of cyclic voltammograms. International Journal of Chemical Kinetics, 2005, 37, 17-24.	1.0	57
27	Electrochemical Oxidation of 2,3-Dimethylhydroquinone in the Presence of 1,3-Dicarbonyl Compounds. Journal of Organic Chemistry, 2006, 71, 2139-2142.	1.7	56
28	Investigation of the electro-methoxylation reaction. Journal of Electroanalytical Chemistry, 2000, 481, 208-214.	1.9	54
29	Diuron degradation using three-dimensional electro-peroxone (3D/E-peroxone) process in the presence of TiO2/GAC: Application for real wastewater and optimization using RSM-CCD and ANN-GA approaches. Chemosphere, 2021, 266, 129179.	4.2	52
30	Electrochemical evidences in oxidation of acetaminophen in the presence of glutathione and N-acetylcysteine. Chemical Communications, 2010, 46, 409-411.	2.2	50
31	Electrochemical evaluation of coumestan modified carbon paste electrode: Study on its application as a NADH biosensor in presence of uric acid. Sensors and Actuators B: Chemical, 2006, 114, 610-617.	4.0	49
32	Voltammetry of Electroinactive Species Using Quinone/Hydroquinone Redox: A Known Redox System Viewed in a New Perspective. Electroanalysis, 2007, 19, 1382-1386.	1.5	49
33	Electrochemical oxidation of 4-substituted urazoles in the presence of arylsulfinic acids: an efficient method for the synthesis of new sulfonamide derivatives. Green Chemistry, 2012, 14, 963.	4.6	49
34	Moving-bed biofilm reactor combined with three-dimensional electrochemical pretreatment (MBBRâ€“3DE) for 2,4-D herbicide treatment: application for real wastewater, improvement of biodegradability. RSC Advances, 2021, 11, 9608-9620.	1.7	49
35	Paired electrochemical synthesis of new organosulfone derivatives. Electrochimica Acta, 2008, 53, 3350-3355.	2.6	48
36	Electrochemical oxidation of catechol in the presence of cyclopentadiene. Investigation of electrochemically induced Dielsâ€“Alder reactions. Chemical Communications, 2006, , 1631.	2.2	47

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37	Electrochemical study of fenitrothion and bifenox and their simultaneous determination using multiwalled carbon nanotube modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2016, 767, 188-194.	1.9	47
38	Paired electrochemical conversion of nitroarenes to sulfonamides, diarylsulfones and bis(arylsulfonyl)aminophenols. Green Chemistry, 2018, 20, 1499-1505.	4.6	47
39	Electrochemical study of catechol and some of 3-substituted catechols in the presence of 1,3-diethyl-2-thio-barbituric acid. Application to the electro-organic synthesis of new dispirothiopyrimidine derivatives. Journal of Electroanalytical Chemistry, 2001, 510, 108-114.	1.9	45
40	Kinetic Study of Electrochemically Induced Michael Reactions of o-Quinones with Meldrumâ€™s Acid Derivatives. Synthesis of Highly Oxygenated Catechols. Journal of Organic Chemistry, 2008, 73, 3428-3434.	1.7	45
41	Electrochemical synthesis of pillared layer mixed ligand metalâ€“organic framework: DMOF-1â€“Zn. RSC Advances, 2015, 5, 36547-36551.	1.7	45
42	Electrochemical oxidation of catechols in the presence of 4-hydroxy-6-methyl-2-pyrone. Tetrahedron, 2002, 58, 4949-4953.	1.0	44
43	Electrochemical synthesis of 5,6-dihydroxy-2-methyl-1-benzofuran-3-carboxylate derivatives. Tetrahedron, 2007, 63, 3894-3898.	1.0	44
44	An Efficient Method for Production and Storage of Unstable S-Nitrosothiols Under Mild and Heterogeneous Condition with Sodium Nitrite and Oxalic Acid Dihydrate. Synthetic Communications, 1999, 29, 2277-2280.	1.1	42
45	Electrochemical synthesis of amino-substituted 1,2-benzoquinone derivatives. Journal of Electroanalytical Chemistry, 2005, 577, 197-203.	1.9	42
46	Electrochemical Synthesis and Mechanestic Study of Quinone Imines Exploiting the Dual Character of N,N-Dialkyl-p-phenylenediamines. Organic Letters, 2011, 13, 1928-1931.	2.4	40
47	An efficient electrochemical method for the atom economical synthesis of some benzoxazole derivatives. Green Chemistry, 2013, 15, 2441.	4.6	40
48	Combined electrocoagulation/electrooxidation process for the COD removal and recovery of tannery industry wastewater. Environmental Progress and Sustainable Energy, 2018, 37, 637-644.	1.3	40
49	Electrochemical oxidation of activated sludge by using direct and indirect anodic oxidation. Desalination and Water Treatment, 2015, 56, 2234-2245.	1.0	39
50	Electrochemical synthesis of p-tolylsulfonylbenzenediols. Tetrahedron Letters, 2002, 43, 147-150.	0.7	38
51	Synthesis, characterization and structural studies of new palladium(II) complexes including non-symmetric phosphorus ylides. Inorganica Chimica Acta, 2010, 363, 3973-3980.	1.2	38
52	Electrochemical dimerization of 4-methylesculetin: Synthesis and kinetic study of a highly-oxygenated dimer. Journal of Electroanalytical Chemistry, 2011, 650, 226-232.	1.9	38
53	Electrochemical Study of Catechol in the Presence of Dibuthylamine and Diethylamine in Aqueous Media: Part 1. Electrochemical Investigation. Electroanalysis, 2005, 17, 1755-1760.	1.5	37
54	An efficient electrochemical synthesis of diamino-o-benzoquinone: Mechanistic and kinetic evaluation of the reaction of azide ion with o-benzoquinone. Chemical Communications, 2007, , 162-164.	2.2	37

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55	Development of a needle trap device packed with zinc based metal-organic framework sorbent for the sampling and analysis of polycyclic aromatic hydrocarbons in the air. Microchemical Journal, 2019, 148, 346-354.	2.3	37
56	Electrocatalytic degradation of dibenzoazepine drugs by fluorine doped Î²-PbO2 electrode: New insight into the electrochemical oxidation and mineralization mechanisms. Journal of Electroanalytical Chemistry, 2020, 862, 114037.	1.9	37
57	Cyclic Voltammetric Study of the Oxidation of Catechols in the Presence of Cyanide Ion. Electroanalysis, 2004, 16, 1359-1365.	1.5	36
58	Electrochemical study of Alamar Blue (resazurin) in aqueous solutions and room-temperature ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate at a glassy carbon electrode. RSC Advances, 2014, 4, 8431-8438.	1.7	36
59	Effect of different concentrations of substrate in microbial fuel cells toward bioenergy recovery and simultaneous wastewater treatment. Environmental Technology (United Kingdom), 2022, 43, 1-9.	1.2	36
60	Electrochemical oxidaton of N,N-dialkyl-p-phenylenediamines in the presence of arylsulfinic acids. An efficient method for the synthesis of new sulfonamide derivatives. Electrochemistry Communications, 2009, 11, 488-491.	2.3	35
61	A comprehensive study of electrochemical disinfection of water using direct and indirect oxidation processes. Journal of Environmental Chemical Engineering, 2019, 7, 102785.	3.3	35
62	Synthesis and application of [Zr-UiO-66-PDC-SO3H]Cl MOFs to the preparation of dicyanomethylene pyridines via chemical and electrochemical methods. Scientific Reports, 2021, 11, 16817.	1.6	34
63	New insights into the electrochemical behavior of acid orange 7: Convergent paired electrochemical synthesis of new aminonaphthol derivatives. Scientific Reports, 2017, 7, 41963.	1.6	33
64	Anodic electrosynthesis of MIL-53(Al)-N(CH2PO3H2)2 as a mesoporous catalyst for synthesis of novel (N-methyl-pyrrol)-pyrazolo[3,4-b]pyridines via a cooperative vinylogous anomeric based oxidation. Scientific Reports, 2021, 11, 19370.	1.6	33
65	Electrochemical nitration of catechols: Kinetic study by digital simulation of cyclic voltammograms. Journal of Electroanalytical Chemistry, 2007, 602, 37-42.	1.9	32
66	New batch electro-coagulation process for treatment and recovery of high organic load and low volume egg processing industry wastewater. Chemical Engineering Research and Design, 2018, 119, 96-103.	2.7	32
67	Investigation of the Electromethoxylation Reaction Part 2: Electrochemical Study of 3-Methylcatechol and 2,3-Dihydroxybenzaldehyde in Methanol. Electroanalysis, 2001, 13, 1008-1015.	1.5	30
68	Efficient electrosynthesis of 1,2,4-triazino[3,4-b]-1,3,4-thiadiazine derivatives. Tetrahedron Letters, 2006, 47, 8553-8557.	0.7	30
69	Continuous thickening of activated sludge by electro-flotation. Separation and Purification Technology, 2013, 107, 166-171.	3.9	30
70	Electrochemical reduction of CO2 to formate ion using nanocubic mesoporous In(OH)3/carbon black system. Materials Chemistry and Physics, 2017, 193, 109-116.	2.0	30
71	Convergent and Divergent Paired Electrodeposition of Metal-Organic Framework Thin Films. Scientific Reports, 2019, 9, 14325.	1.6	30
72	Electrochemical study of catecholâ€“boric acid complexes. Electrochimica Acta, 2008, 53, 2751-2756.	2.6	29

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73	Regioselective Green Electrochemical Approach to the Synthesis of Nitroacetaminophen Derivatives. Organic Letters, 2015, 17, 4666-4669.	2.4	29
74	Degradation of azo dye C.I. Acid Red 18 using an eco-friendly and continuous electrochemical process. Korean Journal of Chemical Engineering, 2016, 33, 532-538.	1.2	29
75	Electrochemical study of 4-tert-butylcatechol in the presence of 1,3-dimethylbarbituric acid and 1,3-diethyl-2-thiobarbituric acid. Application to the electro-organic synthesis of new corresponding spiropyrimidine derivatives. Journal of Electroanalytical Chemistry, 2001, 517, 121-125.	1.9	28
76	Mechanistic study of electrochemical oxidation of o-dihydroxybenzenes in the presence of 4-hydroxy-1-methyl-2(1H)-quinolone. Electrochimica Acta, 2005, 51, 739-744.	2.6	28
77	Electrochemical synthesis of new catechol derivatives. Electrochimica Acta, 2006, 51, 2620-2624.	2.6	28
78	An efficient electrochemical method for the synthesis of methylene blue. Electrochemistry Communications, 2009, 11, 2261-2264.	2.3	28
79	Electrochemical behavior of nano-composite containing 4-hydroxy-2-(triphenylphosphonio)phenolate and multi-wall carbon nanotubes spiked in carbon paste and its application for electrocatalytic oxidation of hydrazine. Sensors and Actuators B: Chemical, 2010, 151, 153-161.	4.0	28
80	Electrochemical study of 1,2-dihydropyridazine-3,6-dione in protic and aprotic solvents: Oxidative ring cleavage and reduction. Electrochimica Acta, 2011, 56, 6089-6096.	2.6	28
81	Electrochemical Oxidation of Some Aminophenols in Various pHs. Journal of the Electrochemical Society, 2013, 160, H41-H46.	1.3	28
82	Electrocatalytic activity of 6,7-dihydroxy-3-methyl-9-thia-4,4a-diazafluoren-2-one/multi-wall carbon nanotubes immobilized on carbon paste electrode for NADH oxidation: Application to the trace determination of NADH. Journal of Electroanalytical Chemistry, 2010, 639, 15-20.	1.9	27
83	A highly sensitive and selective sensor on the basis of 4-hydroxy-2-(triphenylphosphonio)phenolate and multi-wall carbon nanotubes for electrocatalytic determination of folic acid in presence of ascorbic acid and uric acid. Electrochimica Acta, 2011, 58, 654-661.	2.6	27
84	Electrodeposition of Catechol on Glassy Carbon Electrode and Its Electrocatalytic Activity Toward NADH Oxidation. Electroanalysis, 2012, 24, 1932-1936.	1.5	27
85	Experimental and Theoretical Analysis of the Electrochemical Oxidation of Catechol and Hydroquinone Derivatives in the Presence of Various Nucleophiles. Journal of the Electrochemical Society, 2013, 160, H693-H698.	1.3	27
86	Selective electrochemical determination of homocysteine in the presence of cysteine and glutathione. Electrochimica Acta, 2014, 123, 353-361.	2.6	27
87	Electrochemical and chemical synthesis of different types of sulfonamide derivatives of N,N-dimethyl-1,4-benzenediamine using 4-nitroso-N,N-dimethylaniline. Green Chemistry, 2015, 17, 3508-3514.	4.6	27
88	Optimization of three-dimensional electrochemical process for degradation of methylene blue from aqueous environments using central composite design. Environmental Technology and Innovation, 2020, 18, 100711.	3.0	27
89	Mechanistic study of the oxidation of catechol in the presence of secondary amines by digital simulation of cyclic voltammograms. Electrochimica Acta, 2004, 49, 591-595.	2.6	26
90	Investigation of the electro-oxidation and oxidation of catechol in the presence of sulfanilic acid. Research on Chemical Intermediates, 2004, 30, 299-309.	1.3	26

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91	Electrochemical oxidation of 4-morpholinoaniline in aqueous solutions: Synthesis of a new trimer of 4-morpholinoaniline. Electrochimica Acta, 2011, 56, 3899-3904.	2.6	26
92	Optimization and Modeling of Tetracycline Removal from Wastewater by Three-Dimensional Electrochemical System: Application of Response Surface Methodology and Least Squares Support Vector Machine. Environmental Modeling and Assessment, 2020, 25, 327-341.	1.2	26
93	Carbon felt modified with N-doped rGO for an efficient electro-peroxone process in diuron degradation and biodegradability improvement of wastewater from a pesticide manufacture: Optimization of process parameters, electrical energy consumption and degradation pathway. Separation and Purification Technology, 2021, 274, 118962.	3.9	26
94	Mechanism of electrochemical oxidation of catechol and 3-substituted catechols in the presence of barbituric acid derivatives. Synthesis of new dispiropyrimidine derivatives. Perkin Transactions II RSC, 2002, , 829-834.	1.1	25
95	Investigation of electrochemically induced conjugate addition reaction: A facile approach to preparation of Schonberg adduct. Journal of Electroanalytical Chemistry, 2008, 621, 113-116.	1.9	25
96	Electrochemical oxidation of catechol in the presence of indole: a facile and one-pot method for the synthesis of trisindolyl-o-benzoquinone. Tetrahedron Letters, 2008, 49, 645-649.	0.7	25
97	A comprehensive electrochemical study of 2-mercaptobenzoheterocyclic derivatives. Air-assisted electrochemical synthesis of new sulfonamide derivatives. Electrochimica Acta, 2020, 353, 136451.	2.6	25
98	A facile galvanostatic method for the synthesis of quinoxalinediones. Electrochimica Acta, 2006, 52, 1234-1239.	2.6	24
99	Electrochemical oxidation of catechols in the presence of cyanoacetone and methyl cyanoacetate. Journal of Electroanalytical Chemistry, 2009, 626, 36-41.	1.9	24
100	Electrochemically mediated oxidation of glutathione and N-acetylcysteine with 4,4â€²-biphenol. Electrochimica Acta, 2011, 56, 9311-9316.	2.6	24
101	Determination of urinary methylhippuric acids using <scp>MIL</scp>â€53â€<scp>NH</scp>₂ (<scp>Al</scp>) metalâ€“organic framework in microextraction by packed sorbent followed by <scp>HPLC</scp>â€“<scp>UV</scp> analysis. Biomedical Chromatography, 2020, 34, e4725.	0.8	24
102	A green approach for the electrochemical synthesis of 4-morpholino-2-(arylsulfonyl)benzenamines. Tetrahedron Letters, 2010, 51, 4862-4865.	0.7	23
103	Mechanism diversity in anodic oxidation of N,N-dimethyl-p-phenylenediamine by varying pH. Journal of Electroanalytical Chemistry, 2013, 704, 75-79.	1.9	23
104	Activated sludge treatment by electro-Fenton process: Parameter optimization and degradation mechanism. Korean Journal of Chemical Engineering, 2015, 32, 1570-1577.	1.2	23
105	Facile and sensitive determination of urinary mandelic acid by combination of metal organic frameworks with microextraction by packed sorbents. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1114-1115, 45-54.	1.2	23
106	Construction of highly efficient new binder-free bimetallic metalâ€“organic framework symmetric supercapacitors: considering surface statistical and morphological analyses. Journal of Materials Chemistry A, 2021, 9, 15381-15393.	5.2	23
107	Investigation of the electrochemical behavior of some catecholamines in the presence of 4-aminobenzoic acid. Electrochimica Acta, 2005, 50, 5633-5640.	2.6	22
108	Electrochemical synthesis of the new substituted phenylpiperazines. Journal of Electroanalytical Chemistry, 2011, 651, 72-79.	1.9	22

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109	Electrocatalytic determination of morphine at the surface of a carbon paste electrode spiked with a hydroquinone derivative and carbon nanotubes. Journal of Electroanalytical Chemistry, 2012, 665, 45-51.	1.9	22
110	Electrodegradation of tetracycline using stainless steel net electrodes: Screening of main effective parameters and interactions by means of a two-level factorial design. Korean Journal of Chemical Engineering, 2017, 34, 2999-3008.	1.2	22
111	A Central Composite Design to Optimize In-Situ Electrochemically Produced Ozone for Removal of Reactive Red 198. Journal of the Electrochemical Society, 2018, 165, E121-E128.	1.3	22
112	Electrosynthesis of new quinone sulfonimide derivatives using a conventional batch and a new electrolyte-free flow cell. Green Chemistry, 2018, 20, 4036-4042.	4.6	22
113	Bio-monitoring of non-metabolized BTEX compounds in urine by dynamic headspace-needle trap device packed with 3D Ni/Co-BTC bimetallic metal-organic framework as an efficient absorbent. Microchemical Journal, 2021, 166, 106229.	2.3	22
114	Kinetic study of 4-nitrocatechol oxidation using digital simulation of cyclic voltammograms. Journal of the Iranian Chemical Society, 2011, 8, 803-810.	1.2	21
115	Electro-oxidation and voltammetric determination of oxymetholone in the presence of mestanolone using glassy carbon electrode modified with carbon nanotubes. Talanta, 2014, 121, 1-8.	2.9	21
116	An efficient electrochemical method for a unique synthesis of new derivatives of 7H-thiazolo[3,2-b]-1,2,4-triazin-7-one. Tetrahedron Letters, 2006, 47, 1713-1716.	0.7	20
117	Investigation of electrochemically induced Michael addition reactions. Oxidation of some dihydroxybenzene derivatives in the presence of azide ion. Tetrahedron, 2009, 65, 4742-4750.	1.0	20
118	Electrochemical Synthesis of Sulfonamide Derivatives Based on the Oxidation of 2,5-Diethoxy-4-Morpholinoaniline in the Presence of Arylsulfinic Acids. Journal of Organic Chemistry, 2014, 79, 6326-6329.	1.7	20
119	Pd(II) and Pd(IV) complexes with 5-methyl-5-(4-pyridyl)hydantoin: Synthesis, physicochemical, theoretical, and pharmacological investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 1019-1031.	2.0	20
120	Polarographic determination of doxorubicin and daunorubicin in pharmaceutical preparations and biological media. Journal of Pharmaceutical and Biomedical Analysis, 1992, 10, 1053-1057.	1.4	19
121	Electrooxidation of 4-methylcatechol in the presence of barbituric acid derivatives. Electrochimica Acta, 2005, 50, 3648-3654.	2.6	19
122	Catecholthioether Derivatives: Preliminary Study of in-Vitro Antimicrobial and Antioxidant Activities. Chemical and Pharmaceutical Bulletin, 2011, 59, 1149-1152.	0.6	19
123	Efficient Factors on the Hydrolysis Reaction Rate of Some Para-Aminophenol Derivatives in Acidic pHs. Journal of the Electrochemical Society, 2013, 160, H469-H473.	1.3	19
124	Electrochemical Oxidation of Acetaminophen and 4-(Piperazin-1-yl)phenols in the Presence of 4-Hydroxy-1-methyl-2(1H)-quinolone. Journal of the Electrochemical Society, 2013, 160, H33-H40.	1.3	19
125	Thermodynamic study of the electrochemical oxidation of some aminophenol derivatives: Experimental and theoretical investigation. Electrochimica Acta, 2015, 154, 235-243.	2.6	19
126	Electrochemical study of catechols in the presence of 4,6-dihydroxy-2-methylpyrimidine. Journal of Electroanalytical Chemistry, 2005, 577, 205-210.	1.9	18

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127	An efficient conversion of catechols into 6H-benzofuro[3,2-c][1]-benzopyran-6-one derivatives. Journal of Heterocyclic Chemistry, 2005, 42, 289-292.	1.4	18
128	Investigation of the electrochemical behavior of some dihydroxybenzoic acids in aqueous solution. Monatshefte FÃ¼r Chemie, 2013, 144, 1481-1488.	0.9	18
129	Electrosynthesis of hydroquinonethioethers using electrochemical oxidation of hydroquinone in the presence of thiouracil derivatives. Chinese Chemical Letters, 2014, 25, 797-801.	4.8	18
130	Synthesis of pyranopyrazoles, benzopyrans, amino-2-chromenes and dihydropyrano[c]chromenes using ionic liquid with dual BrÃ¸nsted acidic and Lewis basic sites. Chemical Papers, 2015, 69, .	1.0	18
131	A tunable pair electrochemical strategy for the synthesis of new benzenesulfonamide derivatives. Scientific Reports, 2019, 9, 4537.	1.6	18
132	Development of a needle trap device packed with titaniumâ€based metalâ€organic framework sorbent for extraction of phenolic derivatives in air. Journal of Separation Science, 2020, 43, 1011-1018.	1.3	18
133	Catalytic Oxidation of Thiourea at Alumina Modified Pt Electrode. Sensors, 2003, 3, 534-543.	2.1	17
134	Electrochemical Study of Catechol Derivatives in the Presence of Î²-diketones: Synthesis of Benzofuran Derivatives. Journal of the Electrochemical Society, 2012, 159, H912-H917.	1.3	17
135	Electrochemical oxidation of hematoxylin â€“ Part 1: Experimental and theoretical studies in an aqueous acidic medium. Journal of Electroanalytical Chemistry, 2012, 681, 76-83.	1.9	17
136	The green and convergent paired Dielsâ€“Alder electro-synthetic reaction of 1,4-hydroquinone with 1,2-bis(bromomethyl)benzene. Electrochemistry Communications, 2014, 49, 65-69.	2.3	17
137	Different strategies in electrochemical synthesis of new mono and di-substituted hydroquinone and benzoquinone. Electrochimica Acta, 2014, 147, 310-318.	2.6	17
138	Electrochemical synthesis of diverse sulfonamide derivatives depending on the potential electrode and their antimicrobial activity evaluation. New Journal of Chemistry, 2017, 41, 8279-8288.	1.4	17
139	Mechanistic study of electrochemical oxidation of catechols in the presence of 4-hydroxy-1-methyl-2(1H)-quinolone. Electrochimica Acta, 2005, 50, 5322-5328.	2.6	16
140	A new facile electrochemical method for the synthesis of 4-(pyridine-2-ylthio)benzene-l,2-diols. Electrochimica Acta, 2006, 51, 3327-3331.	2.6	16
141	Chemical and electrochemical procedures for the synthesis of diisopropyltetrahydroquinoxalinedione derivatives. Tetrahedron Letters, 2008, 49, 5043-5046.	0.7	16
142	Simultaneous spectrophotometric determination of binary mixtures of surfactants using continuous wavelet transformation. Journal of Hazardous Materials, 2009, 166, 770-775.	6.5	16
143	Electrochemical oxidation of 4-(piperazin-1-yl)phenols in the presence of indole derivatives: The unique regioselectivity in the synthesis of highly conjugated bisindolyl-p-quinone derivatives. Journal of Electroanalytical Chemistry, 2012, 670, 36-41.	1.9	16
144	Electrochemical study of quinizarin in the presence of arylsulfinic acids: Synthesis of new sulfone derivatives of quinizarin. Journal of Electroanalytical Chemistry, 2012, 671, 44-50.	1.9	16

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