

Jean Pinson

List of Publications by Year in descending order

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164
papers

13,437
citations

30068

54
h-index

22161

113
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208
all docs

208
docs citations

208
times ranked

8087
citing authors

#	ARTICLE	IF	CITATIONS
1	Attachment of organic layers to conductive or semiconductive surfaces by reduction of diazonium salts. <i>Chemical Society Reviews</i> , 2005, 34, 429.	38.1	1,057
2	Covalent Modification of Carbon Surfaces by Aryl Radicals Generated from the Electrochemical Reduction of Diazonium Salts. <i>Journal of the American Chemical Society</i> , 1997, 119, 201-207.	13.7	978
3	Covalent modification of carbon surfaces by grafting of functionalized aryl radicals produced from electrochemical reduction of diazonium salts. <i>Journal of the American Chemical Society</i> , 1992, 114, 5883-5884.	13.7	947
4	Electrografting: a powerful method for surface modification. <i>Chemical Society Reviews</i> , 2011, 40, 3995.	38.1	841
5	Electrochemical Oxidation of Aliphatic Amines and Their Attachment to Carbon and Metal Surfaces. <i>Langmuir</i> , 2004, 20, 8243-8253.	3.5	408
6	Influence of the anode materials on the electrochemical oxidation efficiency. Application to oxidative degradation of the pharmaceutical amoxicillin. <i>Chemical Engineering Journal</i> , 2015, 262, 286-294.	12.7	317
7	Electrochemical Formation of Close-Packed Phenyl Layers on Si(111). <i>Journal of Physical Chemistry B</i> , 1997, 101, 2415-2420.	2.6	316
8	Electrochemical Bonding of Amines to Carbon Fiber Surfaces Toward Improved Carbon-Epoxy Composites. <i>Journal of the Electrochemical Society</i> , 1990, 137, 1757-1764.	2.9	292
9	Grafting of Nitrophenyl Groups on Carbon and Metallic Surfaces without Electrochemical Induction. <i>Chemistry of Materials</i> , 2005, 17, 491-501.	6.7	265
10	Organic Layers Bonded to Industrial, Coinage, and Noble Metals through Electrochemical Reduction of Aryldiazonium Salts. <i>Chemistry of Materials</i> , 2003, 15, 3450-3462.	6.7	262
11	Covalent Modification of Iron Surfaces by Electrochemical Reduction of Aryldiazonium Salts. <i>Journal of the American Chemical Society</i> , 2001, 123, 4541-4549.	13.7	237
12	Surface Modification of Conducting Substrates. Existence of Azo Bonds in the Structure of Organic Layers Obtained from Diazonium Salts. <i>Chemistry of Materials</i> , 2007, 19, 4570-4575.	6.7	230
13	Sterically Hindered Diazonium Salts for the Grafting of a Monolayer on Metals. <i>Journal of the American Chemical Society</i> , 2008, 130, 8576-8577.	13.7	215
14	Effect of the anode materials on the efficiency of the electro-Fenton process for the mineralization of the antibiotic sulfamethazine. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 331-341.	20.2	212
15	The Standard Redox Potential of the Phenyl Radical/Anion Couple. <i>Journal of the American Chemical Society</i> , 2003, 125, 14801-14806.	13.7	200
16	Organic monolayers on Si(111) by electrochemical method. <i>Electrochimica Acta</i> , 1998, 43, 2791-2798.	5.2	184
17	Immobilization of glucose oxidase on a carbon surface derivatized by electrochemical reduction of diazonium salts. <i>Journal of Electroanalytical Chemistry</i> , 1992, 336, 113-123.	3.8	182
18	Spontaneous Grafting of Iron Surfaces by Reduction of Aryldiazonium Salts in Acidic or Neutral Aqueous Solution. Application to the Protection of Iron against Corrosion. <i>Chemistry of Materials</i> , 2005, 17, 3968-3975.	6.7	179

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19	The solvent as hydrogen-atom donor in organic electrochemical reactions. Reduction of aromatic halides. <i>Journal of the American Chemical Society</i> , 1980, 102, 4120-4127.	13.7	174
20	Time-of-Flight Secondary Ion Mass Spectroscopy Characterization of the Covalent Bonding between a Carbon Surface and Aryl Groups. <i>Langmuir</i> , 2005, 21, 280-286.	3.5	168
21	Outer-sphere dissociative electron transfer to organic molecules: a source of radicals or carbanions? Direct and indirect electrochemistry of perfluoroalkyl bromides and iodides. <i>Journal of the American Chemical Society</i> , 1990, 112, 3509-3520.	13.7	164
22	X-ray Photoelectron Spectroscopy Evidence for the Covalent Bond between an Iron Surface and Aryl Groups Attached by the Electrochemical Reduction of Diazonium Salts. <i>Langmuir</i> , 2003, 19, 6333-6335.	3.5	159
23	Formation of Polyphenylene Films on Metal Electrodes by Electrochemical Reduction of Benzenediazonium Salts. <i>Chemistry of Materials</i> , 2006, 18, 2021-2029.	6.7	153
24	The Electrochemical Reduction of Diazonium Salts on Iron Electrodes. The Formation of Covalently Bonded Organic Layers and Their Effect on Corrosion. <i>Chemistry of Materials</i> , 2002, 14, 392-400.	6.7	147
25	Hydroxylation by Electrochemically Generated OH ₂ [•] Radicals. Mono- and Polyhydroxylation of Benzoic Acid: Products and Isomer Distribution. <i>The Journal of Physical Chemistry</i> , 1995, 99, 13948-13954.	2.9	142
26	Fast sweep cyclic voltammetry at ultra-microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 243, 321-335.	0.1	137
27	Spontaneous Attachment of Amines to Carbon and Metallic Surfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19521-19529.	2.6	135
28	Study of the spontaneous formation of organic layers on carbon and metal surfaces from diazonium salts. <i>Surface Science</i> , 2006, 600, 4801-4812.	1.9	132
29	Surface functionalisation of polymers. <i>Chemical Society Reviews</i> , 2017, 46, 5701-5713.	38.1	128
30	Oxidation of caffeic acid and related hydroxycinnamic acids. <i>Journal of Electroanalytical Chemistry</i> , 1996, 405, 169-176.	3.8	125
31	Steric Effects in the Reaction of Aryl Radicals on Surfaces. <i>Langmuir</i> , 2009, 25, 286-293.	3.5	121
32	Uptake of copper ions by carbon fiber/polymer hybrids prepared by tandem diazonium salt chemistry and in situ atom transfer radical polymerization. <i>Carbon</i> , 2010, 48, 2106-2111.	10.3	119
33	Grafting of Diazonium Salts on Surfaces: Application to Biosensors. <i>Biosensors</i> , 2020, 10, 4.	4.7	102
34	Structural characterization of organic monolayers on Si(111) from capacitance measurements. <i>Electrochimica Acta</i> , 2000, 45, 3241-3248.	5.2	101
35	Novel Approach for Metallic Surface-Initiated Atom Transfer Radical Polymerization Using Electrografted Initiators Based on Aryl Diazonium Salts. <i>Langmuir</i> , 2005, 21, 4686-4694.	3.5	99
36	Free Radical Chemistry of Flavan-3-ols: A Determination of Thermodynamic Parameters and of Kinetic Reactivity from Short (ns) to Long (ms) Time Scale. <i>Journal of the American Chemical Society</i> , 2002, 124, 14027-14038.	13.7	88

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37	Electrochemical functionalization of nanotube films: growth of aryl chains on single-walled carbon nanotubes. <i>New Journal of Chemistry</i> , 2004, 28, 302.	2.8	88
38	Degradation of chlorophenoxyacid herbicides in aqueous media, using a novel electrochemical method. <i>Pest Management Science</i> , 1999, 55, 558-562.	0.4	81
39	Electrochemical Attachment of Organic Groups to Carbon Felt Surfaces. <i>Langmuir</i> , 2001, 17, 7102-7106.	3.5	81
40	Grafting densely-packed poly(n-butyl methacrylate) chains from an iron substrate by aryl diazonium surface-initiated ATRP: XPS monitoring. <i>Surface Science</i> , 2007, 601, 2357-2366.	1.9	79
41	Nucleophile and aryl radical reactivity in SRN1 aromatic nucleophilic substitution reactions. Absolute and relative electrochemical determination. <i>Journal of the American Chemical Society</i> , 1985, 107, 3451-3459.	13.7	78
42	Attachment of Polymers to Organic Moieties Covalently Bonded to Iron Surfaces. <i>Chemistry of Materials</i> , 2002, 14, 4576-4585.	6.7	77
43	Electrochemically induced aromatic nucleophilic substitution. <i>Journal of the American Chemical Society</i> , 1978, 100, 1506-1510.	13.7	69
44	Preparation of Water-Soluble Magnetic Nanocrystals Using Aryl Diazonium Salt Chemistry. <i>Journal of the American Chemical Society</i> , 2011, 133, 1646-1649.	13.7	69
45	Trace crossings in cyclic voltammetry and electrochemic electrochemical inducement of chemical reactions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1980, 107, 59-74.	0.1	68
46	Surface-Modified Carbon Felts: Possible Supports for Combinatorial Chemistry. <i>Journal of Organic Chemistry</i> , 2002, 67, 8513-8518.	3.2	62
47	Sensitized Photografting of Diazonium Salts by Visible Light. <i>Chemistry of Materials</i> , 2013, 25, 90-97.	6.7	61
48	Electrochemically induced aromatic nucleophilic substitution in liquid ammonia. Competition with electron transfer. <i>Journal of the American Chemical Society</i> , 1979, 101, 6012-6020.	13.7	59
49	Are anion radicals unable to undergo radical-radical dimerization?. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1982, 137, 143-148.	0.1	59
50	Surface modification of polymers by reduction of diazonium salts: polymethylmethacrylate as an example. <i>Journal of Materials Chemistry C</i> , 2014, 2, 356-363.	5.5	59
51	Electrochemically induced nucleophilic substitution of perfluoroalkyl halides. An example of a dissociative electron-transfer-induced chemical reaction. <i>Journal of the American Chemical Society</i> , 1991, 113, 6872-6879.	13.7	57
52	Electroless ultrasonic functionalization of diamond nanoparticles using aryl diazonium salts. <i>Diamond and Related Materials</i> , 2008, 17, 1881-1887.	3.9	57
53	Functionalization of Aluminum Nanoparticles Using a Combination of Aryl Diazonium Salt Chemistry and Iniferter Method. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26000-26006.	3.1	56
54	Reaction of inflammation inhibitors with chemically and electrochemically generated hydroxyl radicals. <i>Journal of Electroanalytical Chemistry</i> , 1992, 334, 103-109.	3.8	55

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55	Electrochemically catalyzed aromatic nucleophilic substitution. Phenoxide ion as nucleophile. <i>Journal of Organic Chemistry</i> , 1988, 53, 1496-1504.	3.2	54
56	A Convenient Synthesis of Perfluoroalkylated and Fluorinated-Aryl Nitrogen Bases by Electrochemically Induced SRN1 Substitution. <i>Journal of Organic Chemistry</i> , 1996, 61, 1331-1340.	3.2	54
57	Tailoring the Surface Chemistry of Gold Nanorods through Au-C/Ag-C Covalent Bonds Using Aryl Diazonium Salts. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19098-19105.	3.1	54
58	Electron transfer induced reactions. Electrochemically stimulated aromatic nucleophilic substitution in organic solvents. <i>Journal of the American Chemical Society</i> , 1982, 104, 817-826.	13.7	50
59	Kinetic analysis of reversible electrodimerization reactions by the combined use of double potential step chronoamperometry and linear sweep voltammetry. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 184, 1-24.	0.1	50
60	Hydrogen atom abstraction and solvent involvement in the electrochemistry of haloaromatics. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1978, 89, 347-361.	0.1	48
61	Spontaneous grafting of diazoates on metals. <i>Electrochimica Acta</i> , 2009, 54, 2164-2170.	5.2	48
62	Electrochemically induced SRN1 aromatic nucleophilic substitution. Absolute reactivities of phenyl derivatives in liquid ammonia. <i>Journal of the American Chemical Society</i> , 1985, 107, 4846-4853.	13.7	47
63	Determination of formal potentials of chemically unstable redox couples by second-harmonic alternating current voltammetry and cyclic voltammetry. Application to the oxidation of thiophenoxide ions. <i>Journal of the American Chemical Society</i> , 1993, 115, 7783-7788.	13.7	44
64	Electrochemical Oxidation of σ -Complex-Type Intermediates in Aromatic Nucleophilic Substitutions. <i>Chemistry - A European Journal</i> , 2001, 7, 1712-1719.	3.3	44
65	Fiber with Butterfly Wings: Creating Colored Carbon Fibers with Increased Strength, Adhesion, and Reversible Malleability. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41617-41625.	8.0	43
66	Simultaneously increasing the hydrophobicity and interfacial adhesion of carbon fibres: a simple pathway to install passive functionality into composites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13483-13494.	10.3	43
67	Electro- and Photografting of Carbon or Metal Surfaces by Alkyl Groups. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18559-18565.	3.1	42
68	Electrografting of Diazonium-Functionalized Polyoxometalates: Synthesis, Immobilisation and Electron-Transfer Characterisation from Glassy Carbon. <i>Chemistry - A European Journal</i> , 2013, 19, 13838-13846.	3.3	42
69	Electron-transfer-induced reactions. A novel approach based on electrochemical redox catalysis. Application to aromatic nucleophilic substitutions. <i>Journal of the American Chemical Society</i> , 1984, 106, 6318-6321.	13.7	41
70	Aryl radicals from electrochemical reduction of aryl halides. Addition on olefins. <i>Journal of Organic Chemistry</i> , 1991, 56, 586-595.	3.2	41
71	Some Theoretical and Experimental Insights on the Mechanistic Routes Leading to the Spontaneous Grafting of Gold Surfaces by Diazonium Salts. <i>Langmuir</i> , 2017, 33, 8730-8738.	3.5	41
72	Photochemical grafting of diazonium salts on metals. <i>Chemical Communications</i> , 2011, 47, 12631.	4.1	40

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73	Electrolytic reduction of p-bromobenzophenone in the presence of benzenethiolate: an electrochemically catalysed aromatic nucleophilic substitution. <i>Journal of the Chemical Society Chemical Communications</i> , 1974, , 933-934.	2.0	39
74	Dissociative Electron Transfer to Dihaloalkanes. Electrochemical Reduction of 1,3-Dihaloadamantanes, 1,4-Dihalobicyclo[2.2.2]octanes, and 1,3-Dihalobicyclo[1.1.1]pentanes. <i>Journal of the American Chemical Society</i> , 1994, 116, 4653-4659.	13.7	39
75	Polyphenols Deriving from Chalcones: Investigations of Redox Activities. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23720-23729.	2.6	39
76	Control of the Grafting of Hybrid Polyoxometalates on Metal and Carbon Surfaces: Toward Submonolayers. <i>Langmuir</i> , 2014, 30, 2287-2296.	3.5	39
77	Product distribution in preparative scale electrolysis. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981, 123, 231-242.	0.1	38
78	Nonchain Processes in Nucleophilic Substitutions Triggered by Electron Transfer (SRN1). Photochemical and Electrochemical Induction of the Substitution of 1-Iodoadamantane by Arenethiolate Ions. <i>Journal of the American Chemical Society</i> , 1995, 117, 11488-11498.	13.7	37
79	Covalent sizing surface modification as a route to improved interfacial adhesion in carbon fibre-epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 140, 106147.	7.6	36
80	Hydrogen atom transfer oxidation of primary and secondary alcoholates into aldehydes and ketones by aromatic halides in liquid ammonia. A new electrochemically inducible reaction. <i>Journal of the American Chemical Society</i> , 1982, 104, 1979-1986.	13.7	35
81	Growth of polymer brushes by atom transfer radical polymerization on glassy carbon modified by electro-grafted initiators based on aryl diazonium salts. <i>Surface and Interface Analysis</i> , 2006, 38, 565-568.	1.8	35
82	Electron-transfer-induced reactions. Termination steps and efficiency of the chain process in SRN1 aromatic substitutions. <i>Journal of the American Chemical Society</i> , 1981, 103, 6930-6937.	13.7	34
83	Electrochemical Reduction of Pyrazines into Dihydropyrazines. Preparation of Dihydropyrazines. <i>Canadian Journal of Chemistry</i> , 1974, 52, 3971-3980.	1.1	33
84	Micro-patterned anti-icing coatings with dual hydrophobic/hydrophilic properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19353-19357.	10.3	30
85	Perfluoroalkylation of imidazoles by electrochemically induced srn1 substitution.. <i>Tetrahedron Letters</i> , 1990, 31, 1279-1282.	1.4	29
86	Chemical and electrochemical reduction of pyrazino[2,3-g]quinoxalines and of their benzo and dibenzo derivatives; the structure of fluorindine and the formation of tetraanion. <i>Canadian Journal of Chemistry</i> , 1987, 65, 1619-1623.	1.1	28
87	Efficient Covalent Modification of Multiwalled Carbon Nanotubes with Diazotized Dyes in Water at Room Temperature. <i>Langmuir</i> , 2017, 33, 6677-6690.	3.5	28
88	Hydroxylation of aromatic drugs by the electro-Fenton method. Formation and identification of the metabolites of Riluzole. <i>New Journal of Chemistry</i> , 1999, 23, 793-794.	2.8	27
89	Indirect Grafting of Acetonitrile-Derived Films on Metallic Substrates. <i>Chemistry of Materials</i> , 2010, 22, 2962-2969.	6.7	27
90	The Electrochemical Reduction of Compounds with the Group. III as-Triazines. <i>Canadian Journal of Chemistry</i> , 1972, 50, 1581-1590.	1.1	26

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91	Current dips in polarography and cyclic voltammetry associated with electrochemical inducement of chemical reactions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1980, 107, 75-86.	0.1	26
92	The role of water in organic electroreductive dimerizations in aprotic solvents. How general is the anion radical-water complex mechanism?. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1982, 139, 193-197.	0.1	26
93	Electrografting of diazonium salts: A kinetics study. <i>Electrochemistry Communications</i> , 2017, 81, 120-123.	4.7	26
94	Alkyl-Modified Gold Surfaces: Characterization of the Au-C Bond. <i>Langmuir</i> , 2018, 34, 11264-11271.	3.5	26
95	Lowering interfacial chemical reactivity of oxide materials for lithium batteries. A molecular grafting approach. <i>Journal of Materials Chemistry</i> , 2009, 19, 4771.	6.7	25
96	Regular poly(para-phenylene) films bound to gold surfaces through the electrochemical reduction of diazonium salts followed by electropolymerization in an ionic liquid. <i>Electrochimica Acta</i> , 2013, 106, 172-180.	5.2	25
97	Very fast, in-cage, recombination of a radical with a nucleophile. Arylazo sulfides in SRN1 aromatic nucleophilic substitutions. <i>Journal of Organic Chemistry</i> , 1993, 58, 2670-2677.	3.2	24
98	Mechanism of oxidative coupling of coniferyl alcohol. <i>Phytochemistry</i> , 1994, 36, 1013-1020.	2.9	24
99	Physisorption vs grafting of aryl diazonium salts onto iron: A corrosion study. <i>Electrochimica Acta</i> , 2011, 56, 10762-10766.	5.2	24
100	Electrochemical reduction of compounds with A-N=C-C=N- group. I. Quinoxalines. <i>Collection of Czechoslovak Chemical Communications</i> , 1971, 36, 585-598.	1.0	24
101	Electrografting of Alkyl Films at Low Driving Force by Diverting the Reactivity of Aryl Radicals Derived from Diazonium Salts. <i>Langmuir</i> , 2014, 30, 13907-13913.	3.5	23
102	Electrode Surface Modification Using Diazonium Salts. <i>Electroanalytical Chemistry, A Series of Advances</i> , 2015, , 115-224.	1.7	23
103	Titanium(III) chloride and electrochemical reduction of pyrazine, quinoxaline and triazine derivatives and of their salts. <i>Journal of Heterocyclic Chemistry</i> , 1980, 17, 1237-1240.	2.6	22
104	Electrochemical and chemical reduction of furopyrazines, thienopyrazines, furoquinoxalines and thienoquinoxalines. <i>Journal of Organic Chemistry</i> , 1991, 56, 4840-4845.	3.2	22
105	Electrochemical reduction of pyridopyrazines. <i>Canadian Journal of Chemistry</i> , 1978, 56, 1804-1816.	1.1	21
106	Electrochemically induced aromatic substitution. The 2-nitropropane anion, a powerful nucleophile in SRN1 aromatic substitution. <i>Journal of Organic Chemistry</i> , 1986, 51, 3757-3761.	3.2	21
107	Phenoxide ions as nucleophiles in SRN1 aromatic nucleophilic substitution. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 7-8.	2.0	21
108	Electrochemical reduction of quinoxalino[2,3-b]quinoxaline. <i>Canadian Journal of Chemistry</i> , 1982, 60, 2797-2803.	1.1	20

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109	Short time-scale observation of an electrospray current. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 707-710.	1.5	20
110	Surface functionalization of nanomaterials by aryl diazonium salts for biomedical sciences. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102479.	14.7	20
111	Expanding the Scope of Surface Grafted Polymers Using Electroinitiated Polymerization. <i>Langmuir</i> , 2020, 36, 7217-7226.	3.5	20
112	Surface Modification of Polymers by Reaction of Alkyl Radicals. <i>Langmuir</i> , 2016, 32, 512-518.	3.5	19
113	Electrochemically induced SRN1 aromatic nucleophilic substitution. Monoanions of \hat{I}^2 -dicarbonyl and \hat{I}^2 -cyanocarbonyl compounds as nucleophiles. <i>Tetrahedron Letters</i> , 1989, 30, 1373-1376.	1.4	18
114	Electrochemically induced SRN 1 substitution of fluorinated aryl halides. Application to the synthesis of fluorinated-aryl heterocycles. <i>Electrochimica Acta</i> , 1997, 42, 2049-2055.	5.2	18
115	Localized Attachment of Carbon Nanotubes in Microelectronic Structures. <i>Advanced Materials</i> , 2009, 21, 4404-4408.	21.0	18
116	Grafting of an aluminium surface with organic layers. <i>RSC Advances</i> , 2016, 6, 78369-78377.	3.6	18
117	Electrochemical reductive carboxylation: reduction of unsaturated compounds in the presence of methyl chloroformate. <i>Journal of Organic Chemistry</i> , 1983, 48, 2847-2853.	3.2	17
118	Preparation, chemical and electrochemical reduction of pyrido[2,3- <i>b</i>]quinoxalines and pyrido[3,4- <i>b</i>]quinoxalines. <i>Canadian Journal of Chemistry</i> , 1988, 66, 1500-1505.	1.1	17
119	A new convenient synthesis of 5-aryl uracils using SRN1 aromatic nucleophilic substitution. <i>Tetrahedron Letters</i> , 1993, 34, 3409-3412.	1.4	17
120	Selective protection of catechin gives access to the intrinsic reactivity of the two phenol rings during H-abstraction and photo-oxidation. <i>Tetrahedron Letters</i> , 2000, 41, 5847-5851.	1.4	17
121	Grafting of diazonium salts on oxides surface: formation of aryl-O bonds on iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	17
122	Surface modification of materials: Electrografting of organic films. <i>Current Opinion in Electrochemistry</i> , 2020, 24, 44-48.	4.8	17
123	Addition of aryl radicals generated from electrochemical reduction of aryl halides on carbon-carbon double bonds.. <i>Tetrahedron Letters</i> , 1988, 29, 639-642.	1.4	16
124	One-electron redox potentials for the oxidation of coniferyl alcohol and analogues. <i>Journal of Electroanalytical Chemistry</i> , 1992, 328, 327-331.	3.8	16
125	Molecular Grafting on Si(111) Surfaces: An Electrochemical Approach. <i>Materials Research Society Symposia Proceedings</i> , 1996, 451, 185.	0.1	16
126	One-Step Formation of Bifunctional Aryl/Alkyl Grafted Films on Conducting Surfaces by the Reduction of Diazonium Salts in the Presence of Alkyl Iodides. <i>Langmuir</i> , 2015, 31, 5406-5415.	3.5	16

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127	Diazonium salt chemistry for the design of nano-textured anti-icing surfaces. <i>Chemical Communications</i> , 2018, 54, 8983-8986.	4.1	16
128	Perfluoroalkylation of purine and pyrimidine bases by electrochemically induced SRN1 substitution. <i>Tetrahedron Letters</i> , 1992, 33, 7351-7354.	1.4	15
129	Oxidative Dimerization of Phenolic Aldehydes Related to Lignin Formation. <i>The Journal of Physical Chemistry</i> , 1994, 98, 2641-2645.	2.9	14
130	Surface Properties, Porosity, Chemical and Electrochemical Applications. , 2006, , 495-549.		14
131	Patterning Surfaces through Photografting of Iodonium Salts. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19722-19730.	3.1	14
132	Simultaneous Photografting of Two Organic Groups on a Gold Surface by using Arylazo Sulfones as Single Precursors. <i>Langmuir</i> , 2020, 36, 2786-2793.	3.5	14
133	Multiple reaction pathways for the oxidation of 2,6-diphenylphenolates. <i>Journal of Electroanalytical Chemistry</i> , 1993, 362, 257-265.	3.8	13
134	Using redox active molecules to build multilayered architecture on carbon fibers and the effect on adhesion in epoxy composites. <i>Composites Science and Technology</i> , 2021, 202, 108564.	7.8	13
135	Surface Functionalization of Metals by Alkyl Chains through a Radical Crossover Reaction. <i>Langmuir</i> , 2016, 32, 6335-6342.	3.5	12
136	Pyridazino[3,4-b]quinoxalines and their reduced derivatives. Preparation and structure. <i>Journal of Heterocyclic Chemistry</i> , 1985, 22, 1519-1525.	2.6	11
137	Electrochemical behaviour of syringaldazine, a colorimetric redox reagent. <i>Journal of Electroanalytical Chemistry</i> , 1993, 353, 225-235.	3.8	11
138	Electrografting of the cyanomethyl radical onto carbon and metal surfaces. <i>Electrochimica Acta</i> , 2011, 56, 1476-1484.	5.2	11
139	The electrochemical oxidation of Riluzole, a neuroprotective drug: comparison with the reaction with oxygen derived radicals. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 619-622.	0.9	10
140	Isomerization of Azo Compounds. Cleavage Recombination Mechanism of Azosulfides. <i>Journal of Physical Chemistry A</i> , 1999, 103, 5490-5500.	2.5	10
141	From Langmuirâ€“Blodgett to Grafted Films. <i>Langmuir</i> , 2020, 36, 2534-2542.	3.5	10
142	Ionâˆ“Radical Complexes and SRN1-like Reactions in the Gas-Phase. A Negative-Ion Mass Spectrometric Investigation of Arylazo Sulfides. <i>Journal of Organic Chemistry</i> , 1996, 61, 929-934.	3.2	9
143	The electrocatalytic stereomutation of arylazosulfides. A spectroelectrochemical investigation. <i>Journal of Electroanalytical Chemistry</i> , 1997, 422, 99-114.	3.8	9
144	Photochemical Grafting and Patterning of Metallic Surfaces by Organic Layers Derived from Acetonitrile. <i>Chemistry of Materials</i> , 2011, 23, 3449-3459.	6.7	9

#	ARTICLE	IF	CITATIONS
145	Powerful Surface Chemistry Approach for the Grafting of Alkyl Multilayers on Aluminum Nanoparticles. <i>Langmuir</i> , 2015, 31, 6092-6098.	3.5	9
146	Surface modification by electrochemical reduction of alkyldiazonium salts. <i>Electrochemistry Communications</i> , 2016, 68, 5-9.	4.7	9
147	Structure and electrochemical behaviour of 2-nitrosoquinoxaline. <i>Canadian Journal of Chemistry</i> , 1981, 59, 1711-1716.	1.1	8
148	Deaminative electrochemical reduction of pyrazolo[1,5-a]pyrimidine-7-amines. <i>Canadian Journal of Chemistry</i> , 1981, 59, 2826-2832.	1.1	8
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