

Christian Amatore

List of Publications by Year in descending order

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463
papers

25,949
citations

6606

79
h-index

11928

134
g-index

504
all docs

504
docs citations

504
times ranked

16900
citing authors

#	ARTICLE	IF	CITATIONS
1	Anionic Pd(0) and Pd(II) Intermediates in Palladium-Catalyzed Heck and Cross-Coupling Reactions. <i>Accounts of Chemical Research</i> , 2000, 33, 314-321.	7.6	1,043
2	Evidence of the formation of zerovalent palladium from Pd(OAc) ₂ and triphenylphosphine. <i>Organometallics</i> , 1992, 11, 3009-3013.	1.1	477
3	Mechanistic and kinetic studies of palladium catalytic systems. <i>Journal of Organometallic Chemistry</i> , 1999, 576, 254-278.	0.8	472
4	Real-time characterization of dopamine overflow and uptake in the rat striatum. <i>Neuroscience</i> , 1988, 25, 513-523.	1.1	415
5	Mechanism and kinetic characteristics of the electrochemical reduction of carbon dioxide in media of low proton availability. <i>Journal of the American Chemical Society</i> , 1981, 103, 5021-5023.	6.6	398
6	Ferrocene-Mediated Proton-Coupled Electron Transfer in a Series of Ferrocifen-Type Breast-Cancer Drug Candidates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 285-290.	7.2	373
7	Electrochemical Monitoring of Single Cell Secretion: Vesicular Exocytosis and Oxidative Stress. <i>Chemical Reviews</i> , 2008, 108, 2585-2621.	23.0	354
8	Mechanism of the Palladium-Catalyzed Homocoupling of Arylboronic Acids: Key Involvement of a Palladium Peroxo Complex. <i>Journal of the American Chemical Society</i> , 2006, 128, 6829-6836.	6.6	345
9	Microelectrodes. Definitions, characterization, and applications (Technical report). <i>Pure and Applied Chemistry</i> , 2000, 72, 1483-92.	0.9	323
10	Rates and Mechanism of the Formation of Zerovalent Palladium Complexes from Mixtures of Pd(OAc) ₂ and Tertiary Phosphines and Their Reactivity in Oxidative Additions. <i>Organometallics</i> , 1995, 14, 1818-1826.	1.1	321
11	Kinetic Data for the Transmetalation/Reductive Elimination in Palladium-Catalyzed Suzuki-Miyaura Reactions: Unexpected Triple Role of Hydroxide Ions Used as Base. <i>Chemistry - A European Journal</i> , 2011, 17, 2492-2503.	1.7	318
12	Evidence for the Ligation of Palladium(0) Complexes by Acetate Ions: Consequences on the Mechanism of Their Oxidative Addition with Phenyl Iodide and PhPd(OAc)(PPh ₃) ₂ as Intermediate in the Heck Reaction. <i>Organometallics</i> , 1995, 14, 5605-5614.	1.1	275
13	Gold Nanoclusters and Graphene Nanocomposites for Drug Delivery and Imaging of Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11644-11648.	7.2	275
14	Electron transfer from aromatic hydrocarbons and their π -complexes with metals. Comparison of the standard oxidation potentials and vertical ionization potentials. <i>Journal of the American Chemical Society</i> , 1984, 106, 3968-3976.	6.6	271
15	Role and effects of halide ions on the rates and mechanisms of oxidative addition of iodobenzene to low-ligated zerovalent palladium complexes Pd ₀ (PPh ₃) ₂ . <i>Journal of the American Chemical Society</i> , 1991, 113, 8375-8384.	6.6	266
16	Intimate mechanism of oxidative addition to zerovalent palladium complexes in the presence of halide ions and its relevance to the mechanism of palladium-catalyzed nucleophilic substitutions. <i>Journal of the American Chemical Society</i> , 1993, 115, 9531-9541.	6.6	248
17	Cyclic voltammetric studies of copper complexes catalyzing atom transfer radical polymerization. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1625-1631.	1.1	224
18	Identification of the Effective Palladium(0) Catalytic Species Generated in Situ from Mixtures of Pd(dba) ₂ and Bidentate Phosphine Ligands. Determination of Their Rates and Mechanism in Oxidative Addition. <i>Journal of the American Chemical Society</i> , 1997, 119, 5176-5185.	6.6	223

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19	Electrochemical Recycling of Benzoquinone in the Pd/Benzoquinone-Catalyzed Heck-Type Reactions from Arenes. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 292-296.	2.1	220
20	Rates and mechanisms of oxidative addition to zerovalent palladium complexes generated in situ from mixtures of Pd ₀ (dba) ₂ and triphenylphosphine. <i>Organometallics</i> , 1993, 12, 3168-3178.	1.1	218
21	What Makes for a Good Catalytic Cycle? A Theoretical Study of the Role of an Anionic Palladium(0) Complex in the Cross-Coupling of an Aryl Halide with an Anionic Nucleophile. <i>Organometallics</i> , 2005, 24, 2319-2330.	1.1	218
22	Mechanism of oxidative addition of palladium(0) with aromatic iodides in toluene, monitored at ultramicroelectrodes. <i>Organometallics</i> , 1990, 9, 2276-2282.	1.1	208
23	New synthetic applications of water-soluble acetate Pd/TPPTS catalyst generated in Situ. evidence for a true Pd(0) species intermediate. <i>Journal of Organic Chemistry</i> , 1995, 60, 6829-6839.	1.7	206
24	Nanoelectrodes for determination of reactive oxygen and nitrogen species inside murine macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11534-11539.	3.3	199
25	Mechanism of Palladium-Catalyzed Suzuki-Miyaura Reactions: Multiple and Antagonistic Roles of Anionic Bases and Their Counterions. <i>Chemistry - A European Journal</i> , 2013, 19, 10082-10093.	1.7	195
26	Electrochemical parameters and techniques in drug development, with an emphasis on quinones and related compounds. <i>Chemical Communications</i> , 2008, , 2612.	2.2	181
27	Zeptomole Voltammetric Detection and Electron-Transfer Rate Measurements Using Platinum Electrodes of Nanometer Dimensions. <i>Analytical Chemistry</i> , 2003, 75, 3962-3971.	3.2	178
28	Tailoring Au-core Pd-shell Pt-cluster nanoparticles for enhanced electrocatalytic activity. <i>Chemical Science</i> , 2011, 2, 531-539.	3.7	172
29	Rates and mechanism of biphenyl synthesis catalyzed by electrogenerated coordinatively unsaturated nickel complexes. <i>Organometallics</i> , 1988, 7, 2203-2214.	1.1	166
30	In vivo self-bio-imaging of tumors through in situ biosynthesized fluorescent gold nanoclusters. <i>Scientific Reports</i> , 2013, 3, 1157.	1.6	166
31	Direct Electrochemical Measurements of Reactive Oxygen and Nitrogen Species in Nontransformed and Metastatic Human Breast Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 13055-13062.	6.6	162
32	Role of dba in the reactivity of palladium(0) complexes generated in situ from mixtures of Pd(dba) ₂ and phosphines. <i>Coordination Chemistry Reviews</i> , 1998, 178-180, 511-528.	9.5	161
33	Kinetics and mechanism of self-protonation reactions in organic electrochemical processes. <i>Journal of the American Chemical Society</i> , 1985, 107, 1815-1824.	6.6	154
34	Formation of Palladium(0) Complexes from Pd(OAc) ₂ and a Bidentate Phosphine Ligand (dppp) and Their Reactivity in Oxidative Addition. <i>Organometallics</i> , 2001, 20, 3241-3249.	1.1	152
35	Activation of carbon dioxide by electron transfer and transition metals. Mechanism of nickel-catalyzed electrocarboxylation of aromatic halides. <i>Journal of the American Chemical Society</i> , 1991, 113, 2819-2825.	6.6	150
36	Temporally resolved, independent stages of individual exocytotic secretion events. <i>Biophysical Journal</i> , 1996, 70, 1061-1068.	0.2	149

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37	Analysis of diffusional broadening of vesicular packets of catecholamines released from biological cells during exocytosis. <i>Analytical Chemistry</i> , 1992, 64, 3077-3083.	3.2	148
38	Monitoring in Real Time with a Microelectrode the Release of Reactive Oxygen and Nitrogen Species by a Single Macrophage Stimulated by its Membrane Mechanical Depolarization. <i>ChemBioChem</i> , 2006, 7, 653-661.	1.3	147
39	Au@Pd Core-Shell Nanoparticles Catalyze Suzuki-Miyaura Reactions in Water through Pd Leaching. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12184-12188.	7.2	144
40	The real meaning of Nernst's steady diffusion layer concept under non-forced hydrodynamic conditions. A simple model based on Levich's seminal view of convection. <i>Journal of Electroanalytical Chemistry</i> , 2001, 500, 62-70.	1.9	140
41	Monitoring an oxidative stress mechanism at a single human fibroblast. <i>Analytical Chemistry</i> , 1995, 67, 3382-3390.	3.2	131
42	Mechanism of the Stille Reaction Catalyzed by Palladium Ligated to Arsine Ligand: $\text{PhPd}(\text{AsPh}_3)(\text{DMF})$ Is the Species Reacting with Vinylstannane in DMF. <i>Journal of the American Chemical Society</i> , 2003, 125, 4212-4222.	6.6	131
43	Nanoelectrode for Amperometric Monitoring of Individual Vesicular Exocytosis Inside Single Synapses. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12456-12460.	7.2	130
44	Real-Time Intracellular Measurements of ROS and RNS in Living Cells with Single Core-Shell Nanowire Electrodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12997-13000.	7.2	129
45	NHC-Capped Cyclodextrins (ICyDs): Insulated Metal Complexes, Commutable Multicoordination Sphere, and Cavity-Dependent Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7213-7218.	7.2	128
46	Ohmic drop compensation in cyclic voltammetry at scan rates in the megavolt per second range: access to nanometric diffusion layers via transient electrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2000, 486, 141-155.	1.9	127
47	Precise Adjustment of Nanometric-Scale Diffusion Layers within a Redox Dendrimer Molecule by Ultrafast Cyclic Voltammetry: An Electrochemical Nanometric Microtome. <i>Chemistry - A European Journal</i> , 2001, 7, 2206-2226.	1.7	127
48	A [3]Ferrocenophane Polyphenol Showing a Remarkable Antiproliferative Activity on Breast and Prostate Cancer Cell Lines. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4964-4967.	2.9	125
49	<i>In Situ</i> Identification of Intermediates of Benzyl Chloride Reduction at a Silver Electrode by SERS Coupled with DFT Calculations. <i>Journal of the American Chemical Society</i> , 2010, 132, 9534-9536.	6.6	124
50	The Effects of Vesicular Volume on Secretion through the Fusion Pore in Exocytotic Release from PC12 Cells. <i>Journal of Neuroscience</i> , 2004, 24, 303-309.	1.7	123
51	Mechanistic Origin of Antagonist Effects of Usual Anionic Bases (OH^- , $\text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192}$). <i>European Journal</i> , 2012, 18, 6616-6625.	1.7	121
52	Glutamatergic Control of Microvascular Tone by Distinct GABA Neurons in the Cerebellum. <i>Journal of Neuroscience</i> , 2006, 26, 6997-7006.	1.7	119
53	Electrochemical Measurements of Reactive Oxygen and Nitrogen Species inside Single Phagolysosomes of Living Macrophages. <i>Journal of the American Chemical Society</i> , 2019, 141, 4564-4568.	6.6	117
54	Characterization of the Electrochemical Oxidation of Peroxynitrite: Relevance to Oxidative Stress Bursts Measured at the Single Cell Level. <i>Chemistry - A European Journal</i> , 2001, 7, 4171-4179.	1.7	116

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55	Do Molecular Conductances Correlate with Electrochemical Rate Constants? Experimental Insights. <i>Journal of the American Chemical Society</i> , 2011, 133, 7509-7516.	6.6	114
56	The Triple Role of Fluoride Ions in Palladium-Catalyzed Suzuki-Miyaura Reactions: Unprecedented Transmetalation from [ArPdFL ₂] Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1379-1382.	7.2	112
57	Disproportionation During Electrooxidation of Catecholamines at Carbon-Fiber Microelectrodes. <i>Analytical Chemistry</i> , 1994, 66, 3611-3617.	3.2	110
58	Carbon dioxide as a C1 building block. Mechanism of palladium-catalyzed carboxylation of aromatic halides. <i>Journal of the American Chemical Society</i> , 1992, 114, 7076-7085.	6.6	108
59	Active Anionic Zero-Valent Palladium Catalysts: Characterization by Density Functional Calculations. <i>Chemistry - A European Journal</i> , 2004, 10, 3072-3080.	1.7	107
60	Near-infrared fluorescence imaging of cancer cells and tumors through specific biosynthesis of silver nanoclusters. <i>Scientific Reports</i> , 2014, 4, 4384.	1.6	102
61	Ultrafast cyclic voltammetry: performing in the few megavolts per second range without ohmic drop. <i>Electrochemistry Communications</i> , 2000, 2, 81-84.	2.3	99
62	Rates and mechanism of proton transfer from transient carbon acids. The acidity of methylbenzene cation radicals. <i>Journal of the American Chemical Society</i> , 1984, 106, 7472-7482.	6.6	98
63	When Voltammetry Reaches Nanoseconds. <i>Analytical Chemistry</i> , 2005, 77, 303 A-311 A.	3.2	97
64	Bridging the Gap between Electrochemical and Organometallic Activation: Benzyl Chloride Reduction at Silver Cathodes. <i>Journal of the American Chemical Society</i> , 2010, 132, 17199-17210.	6.6	96
65	Kinetics and mechanism of aromatic oxidative substitutions via electron transfer. Application of Marcus theory to organic processes in the endergonic region. <i>Journal of the American Chemical Society</i> , 1984, 106, 3567-3577.	6.6	94
66	Real-Time Amperometric Analysis of Reactive Oxygen and Nitrogen Species Released by Single Immunostimulated Macrophages. <i>ChemBioChem</i> , 2008, 9, 1472-1480.	1.3	92
67	Imaging Concentration Profiles of Redox-Active Species with Nanometric Amperometric Probes: Effect of Natural Convection on Transport at Microdisk Electrodes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1431-1435.	7.2	91
68	Simultaneous Detection of Reactive Oxygen and Nitrogen Species Released by a Single Macrophage by Triple Potential-Step Chronoamperometry. <i>Analytical Chemistry</i> , 2010, 82, 1411-1419.	3.2	89
69	The evidence for open and closed exocytosis as the primary release mechanism. <i>Quarterly Reviews of Biophysics</i> , 2016, 49, e12.	2.4	88
70	Ultrafast Voltammetry of Adsorbed Redox Active Dendrimers with Nanometric Resolution: An Electrochemical Microtome. <i>ChemPhysChem</i> , 2001, 2, 130-134.	1.0	87
71	Steric and electronic effects in ligand substitution of metal carbonyls. Rapid kinetics of labile carbonylmanganese complexes by transient electrochemical techniques. <i>Journal of the American Chemical Society</i> , 1984, 106, 3771-3784.	6.6	86
72	Equivalence between Microelectrodes of Different Shapes: Between Myth and Reality. <i>Analytical Chemistry</i> , 1996, 68, 4377-4388.	3.2	86

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73	Correlation between Vesicle Quantal Size and Fusion Pore Release in Chromaffin Cell Exocytosis. Biophysical Journal, 2005, 88, 4411-4420.	0.2	86
74	Real-time Monitoring of Discrete Synaptic Release Events and Excitatory Potentials within Self-reconstructed Neuromuscular Junctions. Angewandte Chemie - International Edition, 2015, 54, 9313-9318.	7.2	85
75	Theory and Experiments of Transport at Channel Microband Electrodes under Laminar Flows. 1. Steady-State Regimes at a Single Electrode. Analytical Chemistry, 2007, 79, 8502-8510.	3.2	84
76	The influence of phenolic hydroxy substitution on the electron transfer and anti-cancer properties of compounds based on the 2-ferrocenyl-1-phenyl-but-1-ene motif. Dalton Transactions, 2007, , 5073.	1.6	83
77	Pd(OAc) ₂ •Benzoquinone-catalyzed Anaerobic Electrooxidative Homocoupling of Arylboronic Acids, Arylboronates and Aryltrifluoroborates in DMF and/or Water. European Journal of Organic Chemistry, 2008, 2008, 4567-4570.	1.2	83
78	Theory and Experiments of Transport at Channel Microband Electrodes under Laminar Flows. 2. Electrochemical Regimes at Double Microband Assemblies under Steady State. Analytical Chemistry, 2008, 80, 9483-9490.	3.2	83
79	Electrochemical Monitoring of ROS/RNS Homeostasis Within Individual Phagolysosomes Inside Single Macrophages. Angewandte Chemie - International Edition, 2019, 58, 7753-7756.	7.2	83
80	Glycosylation Using a One-Electron-Transfer Homogeneous Reagent: A Novel and Efficient Synthesis of β -Linked Disaccharides. Synlett, 1990, 1990, 572-574.	1.0	82
81	Coupling of Electrochemistry and Fluorescence Microscopy at Indium Tin Oxide Microelectrodes for the Analysis of Single Exocytotic Events. Angewandte Chemie - International Edition, 2006, 45, 4000-4003.	7.2	82
82	Regulation of Exocytosis in Chromaffin Cells by Trans-Insertion of Lysophosphatidylcholine and Arachidonic Acid into the Outer Leaflet of the Cell Membrane. ChemBioChem, 2006, 7, 1998-2003.	1.3	81
83	Difference between Ultramicroelectrodes and Microelectrodes: Influence of Natural Convection. Analytical Chemistry, 2010, 82, 6933-6939.	3.2	81
84	Electrochemical detection in a microfluidic device of oxidative stress generated by macrophage cells. Lab on A Chip, 2007, 7, 233-238.	3.1	80
85	Electrochemical glycosylation using phenyl S-glycosides. Journal of the Chemical Society Chemical Communications, 1990, , 718.	2.0	79
86	Use of conformal maps to model the voltammetric response of collector-generator double-band electrodes. Analytical Chemistry, 1991, 63, 306-314.	3.2	79
87	Mechanism of the carbopalladation of alkynes by aryl-palladium complexes. Journal of Organometallic Chemistry, 2004, 689, 4642-4646.	0.8	79
88	In Situ Biosynthesis of Fluorescent Platinum Nanoclusters: Toward Self-Bioimaging-Guided Cancer Theranostics. ACS Applied Materials & Interfaces, 2015, 7, 18163-18169.	4.0	79
89	Nucleophile and aryl radical reactivity in SRN1 aromatic nucleophilic substitution reactions. Absolute and relative electrochemical determination. Journal of the American Chemical Society, 1985, 107, 3451-3459.	6.6	78
90	Oxidative Addition of Aryl Halides to Transient Anionic σ -Aryl-Palladium(0) Intermediates: Application to Palladium-catalyzed Reductive Coupling of Aryl Halides. Chemistry - A European Journal, 1996, 2, 957-966.	1.7	78

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91	Ultrafast Voltammetry for Probing Interfacial Electron Transfer in Molecular Wires. <i>ChemPhysChem</i> , 2007, 8, 1321-1329.	1.0	78
92	Dynamics of the Electrochemical Behavior of Diimine Tricarbonyl Rhenium(I) Complexes in Strictly Aprotic Media. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4759-4769.	1.2	77
93	Charge-transfer excitation of electron donor-acceptor complexes. Direct observation of ion pairs by time-resolved (picosecond) spectroscopy. <i>Journal of the American Chemical Society</i> , 1983, 105, 6167-6168.	6.6	76
94	Analysis of individual biochemical events based on artificial synapses using ultramicroelectrodes: cellular oxidative burst. <i>Faraday Discussions</i> , 2000, 116, 319-333.	1.6	76
95	Reactivity and Antiproliferative Activity of Ferrocenyl Tamoxifen Adducts with Cyclodextrins against Hormone-Independent Breast Cancer Cell Lines. <i>Chemistry - A European Journal</i> , 2008, 14, 8195-8203.	1.7	75
96	Deciphering the Activation Sequence of Ferrociphenol Anticancer Drug Candidates. <i>Chemistry - A European Journal</i> , 2012, 18, 6581-6587.	1.7	75
97	Evidence of the Reversible Formation of Cationic π -Allylpalladium(II) Complexes in the Oxidative Addition of Allylic Acetates to Palladium(0) Complexes. <i>Chemistry - A European Journal</i> , 1999, 5, 466-473.	1.7	74
98	Interplay between membrane dynamics, diffusion and swelling pressure governs individual vesicular exocytotic events during release of adrenaline by chromaffin cells. <i>Biochimie</i> , 2000, 82, 481-496.	1.3	73
99	Reconstruction of Aperture Functions during Full Fusion in Vesicular Exocytosis of Neurotransmitters. <i>ChemPhysChem</i> , 2010, 11, 159-174.	1.0	73
100	Highly Sensitive Platinum-Black Coated Platinum Electrodes for Electrochemical Detection of Hydrogen Peroxide and Nitrite in Microchannel. <i>Electroanalysis</i> , 2013, 25, 895-902.	1.5	71
101	Rate and Mechanism of the Reaction of Alkenes with Aryl Palladium Complexes Ligated by a Bidentate P,P Ligand in Heck Reactions. <i>Chemistry - A European Journal</i> , 2007, 13, 2002-2011.	1.7	69
102	A Stretchable Electrochemical Sensor for Inducing and Monitoring Cell Mechanotransduction in Real Time. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9454-9458.	7.2	69
103	Coupling Amperometry and Total Internal Reflection Fluorescence Microscopy at ITO Surfaces for Monitoring Exocytosis of Single Vesicles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5081-5084.	7.2	68
104	Nonlinear optical properties of asymmetric polyphenyls: Efficiency versus transparency trade-off. <i>Chemical Physics</i> , 1991, 150, 117-123.	0.9	67
105	Finding Out Egyptian Gods' Secret Using Analytical Chemistry: Biomedical Properties of Egyptian Black Makeup Revealed by Amperometry at Single Cells. <i>Analytical Chemistry</i> , 2010, 82, 457-460.	3.2	67
106	Nitric Oxide Release during Evoked Neuronal Activity in Cerebellum Slices: Detection with Platinized Carbon-Fiber Microelectrodes. <i>ChemPhysChem</i> , 2006, 7, 181-187.	1.0	66
107	The replacement of a phenol group by an aniline or acetanilide group enhances the cytotoxicity of 2-ferrocenyl-1,1-diphenyl-but-1-ene compounds against breast cancer cells. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 895-901.	0.8	65
108	Electrosyntheses of disaccharides from phenyl or ethyl 1-thioglycosides. <i>Carbohydrate Research</i> , 1993, 244, 237-246.	1.1	64

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109	Using electrochemical coupling between parallel microbands for in situ monitoring of flow rates in microfluidic channels. <i>Journal of Electroanalytical Chemistry</i> , 2004, 573, 333-343.	1.9	64
110	On the mechanism of electrochemical vesicle cytometry: chromaffin cell vesicles and liposomes. <i>Faraday Discussions</i> , 2016, 193, 65-79.	1.6	62
111	Effects of restricted diffusion at ultramicroelectrodes in brain tissue. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 213, 31-42.	0.3	61
112	Construction and use of paired and triple band microelectrodes in solutions of low ionic strength. <i>Analytical Chemistry</i> , 1988, 60, 2167-2169.	3.2	61
113	Theory and experiment for the collector-generator triple-band electrode. <i>Analytical Chemistry</i> , 1991, 63, 1403-1408.	3.2	60
114	Mapping dynamic concentration profiles with micrometric resolution near an active microscopic surface by confocal resonance Raman microscopy. Application to diffusion near ultramicroelectrodes: first direct evidence for a comproportionation reaction. <i>Journal of Electroanalytical Chemistry</i> , 2000, 484, 1-17.	1.9	60
115	Electrochemically induced aromatic nucleophilic substitution in liquid ammonia. Competition with electron transfer. <i>Journal of the American Chemical Society</i> , 1979, 101, 6012-6020.	6.6	59
116	Rates and mechanism of the reversible oxidative addition of (Z)- and (E)-1,2-dichloroethylene to low-ligated zerovalent palladium. <i>Journal of the American Chemical Society</i> , 1991, 113, 1670-1677.	6.6	59
117	A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution: Principle. <i>Electrochemistry Communications</i> , 2010, 12, 1170-1173.	2.3	58
118	Efficient palladium-catalyzed synthesis of unsymmetrical donor-acceptor biaryls and polyaryls. <i>Journal of Organometallic Chemistry</i> , 1990, 390, 389-398.	0.8	57
119	New concept for a potentiostat for on-line ohmic drop compensation in cyclic voltammetry above 300 kV s ⁻¹ . <i>Journal of Electroanalytical Chemistry</i> , 1992, 324, 33-58.	1.9	57
120	Decelerating Effect of Alkenes in the Oxidative Addition of Phenyl Iodide to Palladium(0) Complexes in Heck Reactions. <i>Organometallics</i> , 2002, 21, 4540-4545.	1.1	57
121	Oxidative stress in cancer prone xeroderma pigmentosum fibroblasts. Real-time and single cell monitoring of superoxide and nitric oxide production with microelectrodes. <i>Carcinogenesis</i> , 2003, 25, 509-515.	1.3	57
122	Formation of anionic palladium(0) complexes ligated by the trifluoroacetate ion and their reactivity in oxidative addition. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3728-3734.	0.8	57
123	Anodic abatement of organic pollutants in water in micro reactors. <i>Journal of Electroanalytical Chemistry</i> , 2010, 638, 293-296.	1.9	56
124	Stabilization of bis(triphenylphosphine)palladium(0) by chloride ions. Electrochemical generation of highly reactive zerovalent palladium complexes. <i>Journal of Organometallic Chemistry</i> , 1989, 363, C41-C45.	0.8	55
125	Rates of the Oxidative Addition of Benzyl Halides to a Metallacyclic Palladium(II) Complex and of the Reductive Elimination from a Benzyl-Palladium(IV) Complex. <i>Organometallics</i> , 2008, 27, 4549-4554.	1.1	55
126	Electrochemically catalyzed aromatic nucleophilic substitution. Phenoxide ion as nucleophile. <i>Journal of Organic Chemistry</i> , 1988, 53, 1496-1504.	1.7	54

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127	Evidence for a Michaelis-Menten Type Mechanism in the Electrocatalytic Oxidation of Mercaptopropionic Acid by an Amavadin Model. <i>Journal of the American Chemical Society</i> , 1996, 118, 7568-7573.	6.6	54
128	Electrochemical and IR/UV-Vis Spectroelectrochemical Studies of fac-[Mn(X)(CO) ₃ (iPr-DAB)] _n (n = 0, X =) Tj ETQq0 0 0 rgBT /Overlock 1 Variable Temperatures: A Relation between Electrochemical and Photochemical Generation of [Mn(CO) ₃ (1±-diimine)]-. <i>Organometallics</i> , 1997, 16, 4675-4685.	1.1	53
129	Divalent Palladium and Platinum Complexes Containing Rigid Bidentate Nitrogen Ligands and Electrochemistry of the Palladium Complexes1. <i>Organometallics</i> , 1997, 16, 317-328.	1.1	53
130	Unexpected bell-shaped effect of the ligand on the rate of the oxidative addition to palladium(0) complexes generated in situ from mixtures of Pd(dba) ₂ and para-substituted triarylphosphines. <i>Inorganica Chimica Acta</i> , 1998, 273, 76-84.	1.2	53
131	Mapping concentration profiles within the diffusion layer of an electrode. <i>Electrochemistry Communications</i> , 2000, 2, 353-358.	2.3	53
132	Electrochemistry within a Limited Number of Molecules: Delineating the Fringe Between Stochastic and Statistical Behavior. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4944-4947.	7.2	53
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134	Successive electron-transfers in low ionic strength solutions. Migrational flux coupling by homogeneous electron transfer reactions. <i>Journal of Electroanalytical Chemistry</i> , 1997, 439, 173-182.	1.9	52
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