

Christian Amatore

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475
papers

22,419
citations

74
h-index

124
g-index

504
ext. papers

23,979
ext. citations

6.1
avg, IF

6.79
L-index

#	Paper	IF	Citations
475	Anionic Pd(0) and Pd(II) intermediates in palladium-catalyzed Heck and cross-coupling reactions. <i>Accounts of Chemical Research</i> , 2000 , 33, 314-21	24.3	926
474	Mechanistic and kinetic studies of palladium catalytic systems. <i>Journal of Organometallic Chemistry</i> , 1999 , 576, 254-278	2.3	421
473	Evidence of the formation of zerovalent palladium from Pd(OAc) ₂ and triphenylphosphine. <i>Organometallics</i> , 1992 , 11, 3009-3013	3.8	416
472	Real-time characterization of dopamine overflow and uptake in the rat striatum. <i>Neuroscience</i> , 1988 , 25, 513-23	3.9	376
471	Ferrocene-mediated proton-coupled electron transfer in a series of ferrocifen-type breast-cancer drug candidates. <i>Angewandte Chemie - International Edition</i> , 2005 , 45, 285-90	16.4	352
470	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	16.4	346
469	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, 6829-36	16.4	313
468	Electrochemical monitoring of single cell secretion: vesicular exocytosis and oxidative stress. <i>Chemical Reviews</i> , 2008 , 108, 2585-621	68.1	304
467	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	3.8	284
466	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, 2492-503	4.8	273
465	Microelectrodes. Definitions, characterization, and applications (Technical report). <i>Pure and Applied Chemistry</i> , 2000 , 72, 1483-92	2.1	273
464	Gold nanoclusters and graphene nanocomposites for drug delivery and imaging of cancer cells. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11644-8	16.4	258
463	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	3.8	242
462	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	16.4	233
461	Electron transfer from aromatic hydrocarbons and their .pi.-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	16.4	221
460	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	16.4	220
459	Cyclic voltammetric studies of copper complexes catalyzing atom transfer radical polymerization. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 1625-1631	2.6	206

458	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	16.4	199
457	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	3.8	191
456	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	3.8	191
455	Electrochemical Recycling of Benzoquinone in the Pd/Benzoquinone-Catalyzed Heck-Type Reactions from Arenes. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 292-296	5.6	187
454	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	4.2	183
453	Mechanism of oxidative addition of palladium(0) with aromatic iodides in toluene, monitored at ultramicroelectrodes. <i>Organometallics</i> , 1990 , 9, 2276-2282	3.8	174
452	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, 10082-93	4.8	171
451	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, 11534-9	11.5	167
450	Electrochemical parameters and techniques in drug development, with an emphasis on quinones and related compounds. <i>Chemical Communications</i> , 2008 , 2612-28	5.8	162
449	Zeptomole voltammetric detection and electron-transfer rate measurements using platinum electrodes of nanometer dimensions. <i>Analytical Chemistry</i> , 2003 , 75, 3962-71	7.8	161
448	Tailoring Au-core Pd-shell Pt-cluster nanoparticles for enhanced electrocatalytic activity. <i>Chemical Science</i> , 2011 , 2, 531-539	9.4	156
447	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	23.2	147
446	Rates and mechanism of biphenyl synthesis catalyzed by electrogenerated coordinatively unsaturated nickel complexes. <i>Organometallics</i> , 1988 , 7, 2203-2214	3.8	146
445	In vivo self-bio-imaging of tumors through in situ biosynthesized fluorescent gold nanoclusters. <i>Scientific Reports</i> , 2013 , 3, 1157	4.9	141
444	Au-Pd core-shell nanoparticles catalyze Suzuki-Miyaura reactions in water through Pd leaching. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12184-8	16.4	137
443	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	16.4	137
442	Temporally resolved, independent stages of individual exocytotic secretion events. <i>Biophysical Journal</i> , 1996 , 70, 1061-8	2.9	135
441	Kinetics and mechanism of self-protonation reactions in organic electrochemical processes. <i>Journal of the American Chemical Society</i> , 1985 , 107, 1815-1824	16.4	135

440	Analysis of diffusional broadening of vesicular packets of catecholamines released from biological cells during exocytosis. <i>Analytical Chemistry</i> , 1992 , 64, 3077-83	7.8	130
439	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	3.8	129
438	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, 653-61	3.8	127
437	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, 2206-26	4.8	123
436	Monitoring an oxidative stress mechanism at a single human fibroblast. <i>Analytical Chemistry</i> , 1995 , 67, 3382-90	7.8	120
435	Mechanism of the Stille reaction catalyzed by palladium ligated to arsine ligand: PhPdI(AsPh ₃)(DMF) is the species reacting with vinylstannane in DMF. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4212-22	16.4	117
434	Mechanistic origin of antagonist effects of usual anionic bases (OH ⁻ , CO ₃ ²⁻) as modulated by their counteranions (Na ⁺ , Cs ⁺ , K ⁺) in palladium-catalyzed Suzuki-Miyaura reactions. <i>Chemistry - A European Journal</i> , 2012 , 18, 6616-25	4.8	113
433	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	4.1	113
432	A [3]ferrocenophane polyphenol showing a remarkable antiproliferative activity on breast and prostate cancer cell lines. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 4964-7	8.3	112
431	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	4.1	111
430	The effects of vesicular volume on secretion through the fusion pore in exocytotic release from PC12 cells. <i>Journal of Neuroscience</i> , 2004 , 24, 303-9	6.6	110
429	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	16.4	106
428	Glutamatergic Control of Microvascular Tone by Distinct GABA Neurons in the Cerebellum. <i>Journal of Neuroscience</i> , 2006 , 26, 6997-7006	6.6	106
427	NHC-capped cyclodextrins (ICyDs): insulated metal complexes, commutable multicoordination sphere, and cavity-dependent catalysis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7213-8	16.4	105
426	Characterization of the electrochemical oxidation of peroxyxynitrite: relevance to oxidative stress bursts measured at the single cell level. <i>Chemistry - A European Journal</i> , 2001 , 7, 4171-9	4.8	104
425	Do molecular conductances correlate with electrochemical rate constants? Experimental insights. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7509-16	16.4	103
424	In situ 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, 9534-6	16.4	102
423	Disproportionation During Electrooxidation of Catecholamines at Carbon-Fiber Microelectrodes. <i>Analytical Chemistry</i> , 1994 , 66, 3611-3617	7.8	101

- 4²² The triple role of fluoride ions in palladium-catalyzed Suzuki-Miyaura reactions: unprecedented transmetalation from [ArPdFL₂] complexes. *Angewandte Chemie - International Edition*, **2012**, 51, 1379-82^{16.4} 98
- 4²¹ Active anionic zero-valent palladium catalysts: characterization by density functional calculations. *Chemistry - A European Journal*, **2004**, 10, 3072-80 4.8 98
- 4²⁰ Carbon dioxide as a C1 building block. Mechanism of palladium-catalyzed carboxylation of aromatic halides. *Journal of the American Chemical Society*, **1992**, 114, 7076-7085 16.4 98
- 4¹⁹ Near-infrared fluorescence imaging of cancer cells and tumors through specific biosynthesis of silver nanoclusters. *Scientific Reports*, **2014**, 4, 4384 4.9 94
- 4¹⁸ When voltammetry reaches nanoseconds. *Analytical Chemistry*, **2005**, 77, 303A-311A 7.8 92
- 4¹⁷ Ultrafast cyclic voltammetry: performing in the few megavolts per second range without ohmic drop. *Electrochemistry Communications*, **2000**, 2, 81-84 5.1 87
- 4¹⁶ Real-Time Intracellular Measurements of ROS and RNS in Living Cells with Single Core-Shell Nanowire Electrodes. *Angewandte Chemie - International Edition*, **2017**, 56, 12997-13000 16.4 86
- 4¹⁵ Imaging concentration profiles of redox-active species with nanometric amperometric probes: effect of natural convection on transport at microdisk electrodes. *Angewandte Chemie - International Edition*, **2004**, 43, 1431-5 16.4 84
- 4¹⁴ Nanoelectrode for amperometric monitoring of individual vesicular exocytosis inside single synapses. *Angewandte Chemie - International Edition*, **2014**, 53, 12456-60 16.4 83
- 4¹³ Bridging the gap between electrochemical and organometallic activation: benzyl chloride reduction at silver cathodes. *Journal of the American Chemical Society*, **2010**, 132, 17199-210 16.4 83
- 4¹² Real-time amperometric analysis of reactive oxygen and nitrogen species released by single immunostimulated macrophages. *ChemBioChem*, **2008**, 9, 1472-80 3.8 81
- 4¹¹ Correlation between vesicle quantal size and fusion pore release in chromaffin cell exocytosis. *Biophysical Journal*, **2005**, 88, 4411-20 2.9 80
- 4¹⁰ Rates and mechanism of proton transfer from transient carbon acids. The acidity of methylbenzene cation radicals. *Journal of the American Chemical Society*, **1984**, 106, 7472-7482 16.4 80
- 4⁰⁹ 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**, 5073-81 4.3 79
- 4⁰⁸ Steric and electronic effects in ligand substitution of metal carbonyls. Rapid kinetics of labile carbonylmanganese complexes by transient electrochemical techniques. *Journal of the American Chemical Society*, **1984**, 106, 3771-3784 16.4 79
- 4⁰⁷ Simultaneous detection of reactive oxygen and nitrogen species released by a single macrophage by triple potential-step chronoamperometry. *Analytical Chemistry*, **2010**, 82, 1411-9 7.8 78
- 4⁰⁶ Ultrafast voltammetry of adsorbed redox active dendrimers with nanometric resolution: an electrochemical microtome. *ChemPhysChem*, **2001**, 2, 130-4 3.2 78
- 4⁰⁵ Equivalence between Microelectrodes of Different Shapes: 'Between Myth and Reality. *Analytical Chemistry*, **1996**, 68, 4377-4388 7.8 78

404	Ultrafast voltammetry for probing interfacial electron transfer in molecular wires. <i>ChemPhysChem</i> , 2007 , 8, 1321-9	3.2	76
403	Pd(OAc) ₂ /p-Benzoquinone-Catalyzed Anaerobic Electrooxidative Homocoupling of Arylboronic Acids, Arylboronates and Aryltrifluoroborates in DMF and/or Water. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 4567-4570	3.2	76
402	Glycosylation Using a One-Electron-Transfer Homogeneous Reagent: A Novel and Efficient Synthesis of β -Linked Disaccharides. <i>Synlett</i> , 1990 , 1990, 572-574	2.2	74
401	Real-time Monitoring of Discrete Synaptic Release Events and Excitatory Potentials within Self-reconstructed Neuromuscular Junctions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9313-8	16.4	73
400	Coupling of electrochemistry and fluorescence microscopy at indium tin oxide microelectrodes for the analysis of single exocytotic events. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4000-3	16.4	73
399	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	16.4	73
398	Theory and experiments of transport at channel microband electrodes under laminar flows. 2. Electrochemical regimes at double microband assemblies under steady state. <i>Analytical Chemistry</i> , 2008 , 80, 9483-90	7.8	71
397	Electrochemical detection in a microfluidic device of oxidative stress generated by macrophage cells. <i>Lab on A Chip</i> , 2007 , 7, 233-8	7.2	71
396	Regulation of exocytosis in chromaffin cells by trans-insertion of lysophosphatidylcholine and arachidonic acid into the outer leaflet of the cell membrane. <i>ChemBioChem</i> , 2006 , 7, 1998-2003	3.8	71
395	Mechanism of the carbopalladation of alkynes by aryl-palladium complexes. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 4642-4646	2.3	71
394	Use of conformal maps to model the voltammetric response of collector-generator double-band electrodes. <i>Analytical Chemistry</i> , 1991 , 63, 306-314	7.8	71
393	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, 481-96	4.6	70
392	In Situ Biosynthesis of Fluorescent Platinum Nanoclusters: Toward Self-Bioimaging-Guided Cancer Theranostics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18163-9	9.5	69
391	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, 8195-203	4.8	68
390	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	3.4	68
389	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	16.4	68
388	Deciphering the activation sequence of ferrociphenol anticancer drug candidates. <i>Chemistry - A European Journal</i> , 2012 , 18, 6581-7	4.8	67
387	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, 2002-11	4.8	67

386	Ferrocene-Mediated Proton-Coupled Electron Transfer in a Series of Ferrocifen-Type Breast-Cancer Drug Candidates. <i>Angewandte Chemie</i> , 2006 , 118, 291-296	3.6	67
385	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 ^{4.8}	4.8	67
384	Electrochemical glycosylation using phenyl S-glycosides. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 718		67
383	Theory and experiments of transport at channel microband electrodes under laminar flows. 1. Steady-state regimes at a single electrode. <i>Analytical Chemistry</i> , 2007 , 79, 8502-10	7.8	66
382	The evidence for open and closed exocytosis as the primary release mechanism. <i>Quarterly Reviews of Biophysics</i> , 2016 , 49, e12	7	66
381	Oxidative Addition of Aryl Halides to Transient Anionic π -Arylpalladium(0) Intermediates: Application to Palladium-Catalyzed Reductive Coupling of Aryl Halides. <i>Chemistry - A European Journal</i> , 1996 , 2, 957-966	4.8	65
380	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 ^{16.4}	16.4	64
379	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, 5081-4	16.4	64
378	Analysis of individual biochemical events based on artificial synapses using ultramicroelectrodes: cellular oxidative burst. <i>Faraday Discussions</i> , 2000 , 319-33; discussion 335-51	3.6	64
377	Difference between ultramicroelectrodes and microelectrodes: influence of natural convection. <i>Analytical Chemistry</i> , 2010 , 82, 6933-9	7.8	63
376	Reconstruction of aperture functions during full fusion in vesicular exocytosis of neurotransmitters. <i>ChemPhysChem</i> , 2010 , 11, 159-74	3.2	62
375	Nitric oxide release during evoked neuronal activity in cerebellum slices: detection with platinized carbon-fiber microelectrodes. <i>ChemPhysChem</i> , 2006 , 7, 181-7	3.2	59
374	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	2.3	58
373	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 conproportionation reaction. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 484, 1-17	4.1	58
372	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 ^{16.4}	16.4	58
371	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	4.1	57
370	Nonlinear optical properties of asymmetric polyphenyls: Efficiency versus transparency trade-off. <i>Chemical Physics</i> , 1991 , 150, 117-123	2.3	57
369	Highly Sensitive Platinum-Black Coated Platinum Electrodes for Electrochemical Detection of Hydrogen Peroxide and Nitrite in Microchannel. <i>Electroanalysis</i> , 2013 , 25, 895-902	3	55

- 368 Electrosyntheses of disaccharides from phenyl or ethyl 1-thioglycosides. *Carbohydrate Research*, **1993**, 244, 237-46 2.9 55
- 367 Electrochemical Monitoring of ROS/RNS Homeostasis Within Individual Phagolysosomes Inside Single Macrophages. *Angewandte Chemie - International Edition*, **2019**, 58, 7753-7756 16.4 54
- 366 Theory and experiment for the collector-generator triple-band electrode. *Analytical Chemistry*, **1991**, 63, 1403-1408 7.8 54
- 365 A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution: Principle. *Electrochemistry Communications*, **2010**, 12, 1170-1173 5.1 53
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- 362 Formation of anionic palladium(0) complexes ligated by the trifluoroacetate ion and their reactivity in oxidative addition. *Journal of Organometallic Chemistry*, **2004**, 689, 3728-3734 2.3 52
- 361 Rates and mechanism of the reversible oxidative addition of (Z)- and (E)-1,2-dichloroethylene to low-ligated zerovalent palladium. *Journal of the American Chemical Society*, **1991**, 113, 1670-1677 16.4 52
- 360 A Stretchable Electrochemical Sensor for Inducing and Monitoring Cell Mechanotransduction in Real Time. *Angewandte Chemie - International Edition*, **2017**, 56, 9454-9458 16.4 51
- 359 The Triple Role of Fluoride Ions in Palladium-Catalyzed Suzuki-Miyaura Reactions: Unprecedented Transmetalation from [ArPdFL₂] Complexes. *Angewandte Chemie*, **2012**, 124, 1408-1411 3.6 50
- 358 Divalent Palladium and Platinum Complexes Containing Rigid Bidentate Nitrogen Ligands and Electrochemistry of the Palladium Complexes¹. *Organometallics*, **1997**, 16, 317-328 3.8 50
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- 356 Mapping concentration profiles within the diffusion layer of an electrode: Part III. Steady-state and time-dependent profiles via amperometric measurements with an ultramicroelectrode probe. *Electrochemistry Communications*, **2000**, 2, 353-358 5.1 50
- 355 Electrochemically induced aromatic nucleophilic substitution in liquid ammonia. Competition with electron transfer. *Journal of the American Chemical Society*, **1979**, 101, 6012-6020 16.4 50
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- 353 Decelerating Effect of Alkenes in the Oxidative Addition of Phenyl Iodide to Palladium(0) Complexes in Heck Reactions. *Organometallics*, **2002**, 21, 4540-4545 3.8 49
- 352 Efficient palladium-catalyzed synthesis of unsymmetrical donor-acceptor biaryls and polyaryls. *Journal of Organometallic Chemistry*, **1990**, 390, 389-398 2.3 49
- 351 Construction and use of paired and triple band microelectrodes in solutions of low ionic strength. *Analytical Chemistry*, **1988**, 60, 2167-2169 7.8 49

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349	Electrochemically catalyzed aromatic nucleophilic substitution. Phenoxide ion as nucleophile. <i>Journal of Organic Chemistry</i> , 1988 , 53, 1496-1504	4.2	48
348	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, 457-60	7.8	47
347	Anodic abatement of organic pollutants in water in micro reactors. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 638, 293-296	4.1	47
346	Reduction-Promoted Sulfur-Oxygen Bond Cleavage in a Nickel Sulfenate as a Model for the Activation of [NiFe] Hydrogenase. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9355-9356	16.4	47
345	Electrochemical and IR/UV-Vis Spectroelectrochemical Studies of fac-[Mn(X)(CO) ₃ (iPr-DAB)] _n (n = 0, X = Br, Me, Bz; n = +1, X = THF, MeCN, nPrCN, P(OMe) ₃ ; iPr-DAB = 1,4-Diisopropyl-1,4-diaza-1,3-butadiene) at Variable Temperatures: Relation between Electrochemical and Spectroelectrochemical Studies. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 619, 107-117	3.8	46
344	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	2.7	46
343	Time-Resolved Dynamics of the Vesicle Membrane During Individual Exocytotic Secretion Events, as Extracted from Amperometric Monitoring of Adrenaline Exocytosis from Chromaffin Cells. <i>Chemistry - A European Journal</i> , 1999 , 5, 2151-2162	4.8	46
342	On the mechanism of electrochemical vesicle cytometry: chromaffin cell vesicles and liposomes. <i>Faraday Discussions</i> , 2016 , 193, 65-79	3.6	45
341	Molecular motion inside an adsorbed [5:1] fullerene hexaadduct observed by ultrafast cyclic voltammetry. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2364-7	16.4	45
340	Activation of the NADPH oxidase in human fibroblasts by mechanical intrusion of a single cell with an ultramicroelectrode. <i>Carcinogenesis</i> , 1997 , 18, 569-74	4.6	45
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