

Christian Amatore

List of Publications by Year in descending order

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463
papers

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6613
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docs citations

504
times ranked

16900
citing authors

#	ARTICLE	IF	CITATIONS
1	A DFT and SERS study of synergistic roles of thermodynamics and kinetics during the electrocatalytic reduction of benzyl chloride at silver cathodes. <i>Journal of Electroanalytical Chemistry</i> , 2022, 914, 116267.	3.8	4
2	Homeostasis inside Single Activated Phagolysosomes: Quantitative and Selective Measurements of Submillisecond Dynamics of Reactive Oxygen and Nitrogen Species Production with a Nanoelectrochemical Sensor. <i>Journal of the American Chemical Society</i> , 2022, 144, 9723-9733.	13.7	40
3	Modelling diffusion at random arrays of electrodes: Revisiting the Voronoi tessellation concept. <i>Electrochimica Acta</i> , 2021, 365, 137338.	5.2	3
4	Interactive Competition Between Individual Diffusion Layers during Cyclic Voltammetry at Random Arrays of Band and Disk Electrodes: A Thorough Analysis Based on Global Simulations. <i>ChemElectroChem</i> , 2021, 8, 2413-2424.	3.4	1
5	Interactive Competition Between Individual Diffusion Layers during Cyclic Voltammetry at Random Arrays of Band and Disk Electrodes: A Thorough Analysis Based on Global Simulations. <i>ChemElectroChem</i> , 2021, 8, 2356-2356.	3.4	0
6	Surface Diffusion of Underpotential-Deposited Lead Adatoms on Gold Nanoelectrodes. <i>ChemElectroChem</i> , 2021, 8, 2282-2287.	3.4	3
7	Quantitative Nanoamperometric Measurement of Intravesicular Glutamate Content and its Subquantal Release by Living Neurons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15803-15808.	13.8	44
8	Quantitative Nanoamperometric Measurement of Intravesicular Glutamate Content and its Subquantal Release by Living Neurons. <i>Angewandte Chemie</i> , 2021, 133, 15937-15942.	2.0	17
9	In Memoriam of Jean-Michel Savant (1933-2020). <i>ChemElectroChem</i> , 2021, 8, 2752-2753.	3.4	0
10	Electrochemical Storage of Atomic Hydrogen on Single Layer Graphene. <i>Journal of the American Chemical Society</i> , 2021, 143, 18419-18425.	13.7	23
11	Harpagide, a natural product, promotes synaptic vesicle release as measured by nanoelectrode amperometry. <i>Chemical Science</i> , 2020, 11, 778-785.	7.4	39
12	Opening the Cobalt/Platinum Hollow Nanospheres by Photoelectrocatalysis To Efficiently Utilize the Inside and Outside for HER. <i>ACS Applied Energy Materials</i> , 2020, 3, 158-162.	5.1	2
13	Amperometric Measurements and Dynamic Models Reveal a Mechanism for How Zinc Alters Neurotransmitter Release. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3083-3087.	13.8	29
14	Amperometric Measurements and Dynamic Models Reveal a Mechanism for How Zinc Alters Neurotransmitter Release. <i>Angewandte Chemie</i> , 2020, 132, 3107-3111.	2.0	11
15	Editors' Choice "Review" Nanostructured Electrodes as Random Arrays of Active Sites: Modeling and Theoretical Characterization. <i>Journal of the Electrochemical Society</i> , 2020, 167, 013530.	2.9	6
16	Nanoelectrodes for intracellular measurements of reactive oxygen and nitrogen species in single living cells. <i>Current Opinion in Electrochemistry</i> , 2020, 22, 44-50.	4.8	35
17	Transient cyclic voltammetry: new theoretical challenges to bring up to date a famous electrochemical lady. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2023-2025.	2.5	6
18	Quinone-based molecular electrochemistry and their contributions to medicinal chemistry: A look at the present and future. <i>Current Opinion in Electrochemistry</i> , 2020, 24, 79-87.	4.8	21

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19	Intracellular Electrochemical Nanomeasurements Reveal that Exocytosis of Molecules at Living Neurons is Subquantal and Complex. <i>Angewandte Chemie</i> , 2020, 132, 6777-6780.	2.0	17
20	Intracellular Electrochemical Nanomeasurements Reveal that Exocytosis of Molecules at Living Neurons is Subquantal and Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6711-6714.	13.8	43
21	Optimization of electrochemical time of flight measurements for precise determinations of diffusion coefficients over a wide range in various media. <i>Electrochimica Acta</i> , 2020, 345, 136113.	5.2	2
22	Theory and Simulations for the Electron Transfer/Ion Transfer Mode of SECM with Electroactive Species Present in Both Liquid Phases. <i>ChemElectroChem</i> , 2019, 6, 189-194.	3.4	2
23	Electrochemical Monitoring of ROS/RNS Homeostasis Within Individual Phagolysosomes Inside Single Macrophages. <i>Angewandte Chemie</i> , 2019, 131, 7835-7838.	2.0	33
24	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.	13.7	117
25	Electrochemical Monitoring of ROS/RNS Homeostasis Within Individual Phagolysosomes Inside Single Macrophages. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7753-7756.	13.8	83
26	Electroactive fluorescent false neurotransmitter FFN102 partially replaces dopamine in PC12 cell vesicles. <i>Biophysical Chemistry</i> , 2019, 245, 1-5.	2.8	10
27	A few key theoretical issues of importance in modern molecular electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2019, 13, 33-39.	4.8	13
28	3D Printed Rotating Acentric Binary-Disk Electrode. <i>Analytical Chemistry</i> , 2018, 90, 13217-13221.	6.5	4
29	Surface Heterogeneities Matter in Fast Scan Cyclic Voltammetry Investigations of Catecholamines in Brain with Carbon Microelectrodes of High-Aspect Ratio: Dopamine Oxidation at Conical Carbon Microelectrodes. <i>Journal of the Electrochemical Society</i> , 2018, 165, G3057-G3065.	2.9	12
30	Downstream Simultaneous Electrochemical Detection of Primary Reactive Oxygen and Nitrogen Species Released by Cell Populations in an Integrated Microfluidic Device. <i>Analytical Chemistry</i> , 2018, 90, 9386-9394.	6.5	31
31	Self-Inhibitory Electron Transfer of the Co(III)/Co(II)-Complex Redox Couple at Pristine Carbon Electrode. <i>Analytical Chemistry</i> , 2018, 90, 11115-11123.	6.5	19
32	Theory and Simulation for Optimising Electrogenenerated Chemiluminescence from Tris(2,2'-bipyridine)ruthenium(II)-Doped Silica Nanoparticles and Tripropylamine. <i>ChemElectroChem</i> , 2017, 4, 1719-1730.	3.4	29
33	Theory and Simulations for the Electron Transfer/Ion Transfer Mode of Scanning Electrochemical Microscopy in the Presence or Absence of Homogenous Kinetics. <i>ChemElectroChem</i> , 2017, 4, 240-240.	3.4	0
34	Theoretical Insights in ECL. , 2017, , 215-256.		3
35	Molecular electrochemistry: A central method to understand the metabolic activation of therapeutic agents. The example of metalocifen anti-cancer drug candidates. <i>Current Opinion in Electrochemistry</i> , 2017, 2, 7-12.	4.8	10
36	“Full fusion”™ is not ineluctable during vesicular exocytosis of neurotransmitters by endocrine cells. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20160684.	2.1	24

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37	A Stretchable Electrochemical Sensor for Inducing and Monitoring Cell Mechanotransduction in Real Time. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9454-9458.	13.8	69
38	A Stretchable Electrochemical Sensor for Inducing and Monitoring Cell Mechanotransduction in Real Time. <i>Angewandte Chemie</i> , 2017, 129, 9582-9586.	2.0	7
39	Importance of stochastic limitations in electrochemistry at arrays of nanoelectrodes functionalized by redox self-assembled monolayers. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 1019-1028.	0.9	6
40	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.	13.7	162
41	Real-Time Intracellular Measurements of ROS and RNS in Living Cells with Single Core-Shell Nanowire Electrodes. <i>Angewandte Chemie</i> , 2017, 129, 13177-13180.	2.0	39
42	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.	13.8	129
43	Theory and Simulations for the Electron-Transfer/Ion-Transfer Mode of Scanning Electrochemical Microscopy in the Presence or Absence of Homogenous Kinetics. <i>ChemElectroChem</i> , 2017, 4, 287-295.	3.4	5
44	Free Radicals: The Red Queen and the Russian Dolls. <i>Electrochemical Society Interface</i> , 2017, 26, 41-45.	0.4	3
45	II. Origine de la vie: un hasard (g��)chimique in��luctable? , 2017, , 19-29.		0
46	More Transparency in BioAnalysis of Exocytosis: Coupling of Electrochemistry and Fluorescence Microscopy at ITO Electrodes. <i>BIO Web of Conferences</i> , 2016, 6, 01004.	0.2	0
47	Theory of Microwell Arrays Performing as Generators-Collectors Based on a Single Bipolar Plane Electrode. <i>ChemElectroChem</i> , 2016, 3, 487-494.	3.4	12
48	The evidence for open and closed exocytosis as the primary release mechanism. <i>Quarterly Reviews of Biophysics</i> , 2016, 49, e12.	5.7	88
49	How ��Full��is ��Full Fusion��during Exocytosis from Dense Core Vesicles? Effect of SDS on ��Quantal�� Release and Final Fusion Pore Size. <i>Journal of the Electrochemical Society</i> , 2016, 163, H853-H865.	2.9	16
50	In vivo target bio-imaging of Alzheimer's disease by fluorescent zinc oxide nanoclusters. <i>Biomaterials Science</i> , 2016, 4, 1085-1091.	5.4	37
51	Revisiting the Complex Osmocene Electro-Oxidation Mechanism. <i>Electrochimica Acta</i> , 2016, 212, 973-978.	5.2	1
52	Enhancing the Bipolar Redox Cycling Efficiency of Plane-Recessed Microelectrode Arrays by Adding a Chemically Irreversible Interferent. <i>Analytical Chemistry</i> , 2016, 88, 8535-8541.	6.5	6
53	Multi-chambers Microsystem for Simultaneous and Direct Electrochemical Detection of Reactive Oxygen and Nitrogen Species Released by Cell Populations. <i>Electroanalysis</i> , 2016, 28, 1865-1872.	2.9	17
54	Theoretical Model of Neurotransmitter Release during In Vivo Vesicular Exocytosis Based on a Grainy Biphasic Nano-Structuration of Chromogranins within Dense Core Matrixes. <i>Journal of the Electrochemical Society</i> , 2016, 163, H3014-H3024.	2.9	39

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55	On the mechanism of electrochemical vesicle cytometry: chromaffin cell vesicles and liposomes. Faraday Discussions, 2016, 193, 65-79.	3.2	62
56	Unexpected current-voltage characteristics of mechanically modulated atomic contacts with the presence of molecular junctions in an electrochemically assisted MCBJ. Nano Research, 2016, 9, 560-570.	10.4	32
57	Relations between Micro- and Macrophenomena. , 2015, , 371-392.		0
58	Validating a Central Approximation in Theories of Regular Electrode Electrochemical Arrays of Various Common Geometries. Electroanalysis, 2015, 27, 980-991.	2.9	29
59	Electrochemical Measurements of Optogenetically Stimulated Quantal Amine Release from Single Nerve Cell Varicosities in <i>Drosophila</i> Larvae. Angewandte Chemie - International Edition, 2015, 54, 13609-13612.	13.8	44
60	Electrochemical Conversion of Dichloroacetic Acid to Chloroacetic Acid in a Microfluidic Stack and in a Series of Microfluidic Reactors. ChemElectroChem, 2015, 2, 684-690.	3.4	15
61	Development and Validation of an Analytical Model for Predicting Chronoamperometric Responses of Random Arrays of Micro- and Nanodisk Electrodes. ChemElectroChem, 2015, 2, 1279-1291.	3.4	20
62	Synthesis, Characterization, and Biological Properties of Osmium-Based Tamoxifen Derivatives – Comparison with Their Homologues in the Iron and Ruthenium Series. European Journal of Inorganic Chemistry, 2015, 2015, 4217-4226.	2.0	32
63	Real-time Monitoring of Discrete Synaptic Release Events and Excitatory Potentials within Self-reconstructed Neuromuscular Junctions. Angewandte Chemie - International Edition, 2015, 54, 9313-9318.	13.8	85
64	Vesicular exocytosis and microdevices – microelectrode arrays. Analyst, The, 2015, 140, 3687-3695.	3.5	25
65	Three-electrode analytical and preparative electrochemistry in micro-volume hanging droplets. Electrochemistry Communications, 2015, 54, 41-45.	4.7	11
66	In Situ Biosynthesis of Fluorescent Platinum Nanoclusters: Toward Self-Bioimaging-Guided Cancer Theranostics. ACS Applied Materials & Interfaces, 2015, 7, 18163-18169.	8.0	79
67	Strong and Unexpected Effects of Diffusion Rates on the Generation of Electrochemiluminescence by Amine/Transition-Metal(II) Systems. ChemElectroChem, 2015, 2, 811-818.	3.4	20
68	In vivo accurate target bio-marking of tumors through in situ biosynthesized fluorescent zinc nanoclusters. RSC Advances, 2015, 5, 74844-74849.	3.6	14
69	Evaluation of photosynthetic electrons derivation by exogenous redox mediators. Biophysical Chemistry, 2015, 205, 1-8.	2.8	33
70	Interactions between Human Antibodies and Synthetic Conformational Peptide Epitopes: Innovative Approach for Electrochemical Detection of Biomarkers of Multiple Sclerosis at Platinum Electrodes. Electrochimica Acta, 2015, 176, 1239-1247.	5.2	14
71	Electrochemically Driven Supramolecular Interaction of Quinones and Ferrocifens: An Example of Redox Activation of Bioactive Compounds. Current Topics in Medicinal Chemistry, 2015, 15, 136-162.	2.1	26
72	CHAPTER 6. Real Time Monitoring of Peroxynitrite by Stimulation of Macrophages with Ultramicroelectrodes. RSC Detection Science, 2015, , 96-120.	0.0	0

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73	Nanoelectrode for Amperometric Monitoring of Individual Vesicular Exocytosis Inside Single Synapses. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12456-12460.	13.8	130
74	Electrochemical Conversion of Dichloroacetic Acid to Chloroacetic Acid in Conventional Cell and in Two Microfluidic Reactors. <i>ChemElectroChem</i> , 2014, 1, 116-124.	3.4	20
75	A new strategy for eliminating interference from EC ² mechanism during analytical measurements based on plane-band-recessed microdisk array electrodes. <i>Electrochemistry Communications</i> , 2014, 38, 61-64.	4.7	10
76	Real-Time Monitoring of Auxin Vesicular Exocytotic Efflux from Single Plant Protoplasts by Amperometry at Microelectrodes Decorated with Nanowires. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2643-2647.	13.8	29
77	Three Roles for the Fluoride Ion in Palladium-Catalyzed Hiyama Reactions: Transmetalation of [ArPdFL ₂] by Ar ² Si(OR) ₃ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6982-6985.	13.8	30
78	Uncovering the Missing Link between Molecular Electrochemistry and Electrocatalysis: Mechanism of the Reduction of Benzyl Chloride at Silver Cathodes. <i>ChemElectroChem</i> , 2014, 1, 227-240.	3.4	51
79	Quantitative Analyses of ROS and RNS Production in Breast Cancer Cell Lines Incubated with Ferrocifens. <i>ChemMedChem</i> , 2014, 9, 1286-1293.	3.2	46
80	Monitoring and Quantifying the Passive Transport of Molecules Through Patch-Clamp Suspended Real and Model Cell Membranes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3192-3196.	13.8	12
81	Simultaneous and multisite tumor rapid-target bioimaging through in vivo biosynthesis of fluorescent gold nanoclusters. <i>RSC Advances</i> , 2014, 4, 37790-37795.	3.6	26
82	Electrochemical Detection of Nitric Oxide and Peroxynitrite Anion in Microchannels at Highly Sensitive Platinum-Black Coated Electrodes. Application to ROS and RNS Mixtures prior to Biological Investigations. <i>Electrochimica Acta</i> , 2014, 144, 111-118.	5.2	37
83	Oxidative Sequence of a Ruthenocene-Based Anticancer Drug Candidate in a Basic Environment. <i>Organometallics</i> , 2014, 33, 4940-4946.	2.3	18
84	Gold atomic contact: Electron conduction in the presence of interfacial charge transfer. <i>Electrochemistry Communications</i> , 2014, 47, 41-44.	4.7	2
85	Kinetic Data on the Synergetic Role of Amines and Water in the Reduction of Phosphine-Ligated Palladium(II) to Palladium(0). <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4709-4713.	2.4	24
86	Water soluble diaza crown ether derivative: Synthesis and barium complexation studies. <i>Polyhedron</i> , 2014, 68, 191-198.	2.2	5
87	Strategy for Increasing the Electrode Density of Microelectrode Arrays by Utilizing Bipolar Behavior of a Metallic Film. <i>Analytical Chemistry</i> , 2014, 86, 3138-3145.	6.5	20
88	Molecular electrochemistry and electrocatalysis: a dynamic view. <i>Molecular Physics</i> , 2014, 112, 1273-1283.	1.7	24
89	Recent advances in Electrochemical Detection of Exocytosis. <i>Electrochimica Acta</i> , 2014, 140, 457-466.	5.2	30
90	Copper-amyloid- β^2 complex may catalyze peroxynitrite production in brain: evidence from molecular modeling. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10169-10174.	2.8	21

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91	Amperometric detection of vesicular exocytosis from BON cells at carbon fiber microelectrodes. <i>Electrochimica Acta</i> , 2014, 126, 74-80.	5.2	21
92	Near-infrared fluorescence imaging of cancer cells and tumors through specific biosynthesis of silver nanoclusters. <i>Scientific Reports</i> , 2014, 4, 4384.	3.3	102
93	Vesicular release of neurotransmitters: converting amperometric measurements into size, dynamics and energetics of initial fusion pores. <i>Faraday Discussions</i> , 2013, 164, 33.	3.2	33
94	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.	3.3	195
95	Editorial: From Fundamental Science to Product Development: An <i>Electrochemical Paradigm</i> . <i>ChemPhysChem</i> , 2013, 14, 2007-2008.	2.1	0
96	Direct Electroanalytical Method for Alternative Assessment of Global Antioxidant Capacity Using Microchannel Electrodes. <i>Analytical Chemistry</i> , 2013, 85, 9057-9063.	6.5	32
97	Highly Sensitive Platinum-Black Coated Platinum Electrodes for Electrochemical Detection of Hydrogen Peroxide and Nitrite in Microchannel. <i>Electroanalysis</i> , 2013, 25, 895-902.	2.9	71
98	Synthesis, Characterization, and Antiproliferative Activities of Novel Ferrocenophanic Suberamides against Human Triple-Negative MDA-MB-231 and Hormone-Dependent MCF-7 Breast Cancer Cells. <i>Organometallics</i> , 2013, 32, 5926-5934.	2.3	25
99	Apoptosis induction and inhibition of drug resistant tumor growth in vivo involving daunorubicin-loaded graphene-gold composites. <i>Journal of Materials Chemistry B</i> , 2013, 1, 493-499.	5.8	13
100	New theoretical insights into the competitive roles of electron transfers involving adsorbed and homogeneous phases. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 320-327.	3.8	29
101	Surface grafting of a π -conjugated amino-ferrocene drug. <i>Journal of Electroanalytical Chemistry</i> , 2013, 699, 21-27.	3.8	9
102	In vivo self-bio-imaging of tumors through in situ biosynthesized fluorescent gold nanoclusters. <i>Scientific Reports</i> , 2013, 3, 1157.	3.3	166
103	A New Approach for the Simulation of Electrochemiluminescence (ECL). <i>ChemPhysChem</i> , 2013, 14, 2237-2250.	2.1	34
104	The effect of protic electron donor aromatic substituents on ferrocenic and [3]ferrocenophanic anilines and anilides: Some aspects of structure-activity relationship studies on organometallic compounds with strong antiproliferative effects. <i>Journal of Organometallic Chemistry</i> , 2013, 744, 92-100.	1.8	8
105	Benzyl Chloride Electroreduction on Ag Cathodes in CH ₃ CN in the Presence of Small Amounts of Water: Evidences of Quantitative Effects on Reaction Rates and Mechanism. <i>Electrocatalysis</i> , 2013, 4, 353-357.	3.0	11
106	NHC-Capped Cyclodextrins (ICyDs): Insulated Metal Complexes, Commutable Multicoordination Sphere, and Cavity-Dependent Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7213-7218.	13.8	128
107	Mass Transport at Infinite Regular Arrays of Microband Electrodes Submitted to Natural Convection: Theory and Experiments. <i>Analytical Chemistry</i> , 2013, 85, 12062-12069.	6.5	14
108	Theoretical Investigation of Generator-Collector Microwell Arrays for Improving Electroanalytical Selectivity: Application to Selective Dopamine Detection in the Presence of Ascorbic Acid. <i>ChemPhysChem</i> , 2013, 14, 1887-1898.	2.1	29

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109	Ferrocenyl catechols: synthesis, oxidation chemistry and anti-proliferative effects on MDA-MB-231 breast cancer cells. Dalton Transactions, 2012, 41, 7537.	3.3	45
110	Evaluation of the anti-oxidant properties of a SOD-mimic Mn-complex in activated macrophages. Dalton Transactions, 2012, 41, 6399.	3.3	37
111	Water-soluble, redox-active organometallic calcium chelators. Dalton Transactions, 2012, 41, 14257.	3.3	1
112	Importance of Correct Prediction of Initial Concentrations in Voltammetric Scans: Contrasting Roles of Thermodynamics, Kinetics, and Natural Convection. Analytical Chemistry, 2012, 84, 2792-2798.	6.5	27
113	Direct electrochemical reduction of organic halide droplets dispersed in water. RSC Advances, 2012, 2, 5398.	3.6	8
114	Electrochemistry of a ferrocene-grafted cell-penetrating peptide. Electrochimica Acta, 2012, 80, 180-186.	5.2	4
115	Nanoelectrodes for determination of reactive oxygen and nitrogen species inside murine macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11534-11539.	7.1	199
116	Deciphering the Activation Sequence of Ferrociphenol Anticancer Drug Candidates. Chemistry - A European Journal, 2012, 18, 6581-6587.	3.3	75
117	Mechanistic Origin of Antagonist Effects of Usual Anionic Bases (OH^{\sim}), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 432 European Journal. 2012, 18, 6616-6625.	3.3	121
118	Mass Transport at Microband Electrodes: Transient, Quasi- ∞ Steady- ∞ State, and Convective Regimes. ChemPhysChem, 2012, 13, 1562-1568.	2.1	30
119	Electrocatalytic oxidation of organic substrates with molecular oxygen using tetradentate ruthenium(III)-Schiff base complexes as catalysts. Electrochimica Acta, 2012, 75, 366-370.	5.2	14
120	Indium Tin Oxide devices for amperometric detection of vesicular release by single cells. Biophysical Chemistry, 2012, 162, 14-21.	2.8	34
121	A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution under spherical or cylindrical diffusion. Russian Journal of Electrochemistry, 2012, 48, 593-599.	0.9	7
122	A Novel Approach to the Simulation of Electrochemical Mechanisms Involving Acute Reaction Fronts at Disk and Band Microelectrodes. ChemPhysChem, 2012, 13, 845-859.	2.1	21
123	The Triple Role of Fluoride Ions in Palladium-Catalyzed Suzuki-Miyaura Reactions: Unprecedented Transmetalation from $[\text{ArPdFL}_2]$ Complexes. Angewandte Chemie - International Edition, 2012, 51, 1379-1382.	13.8	112
124	An organometallic derivative of a BAPTA ligand: towards electrochemically controlled cation release in biocompatible media. Chemical Communications, 2011, 47, 5199.	4.1	10
125	Simple and Clear Evidence for Positive Feedback Limitation by Bipolar Behavior during Scanning Electrochemical Microscopy of Unbiased Conductors. Analytical Chemistry, 2011, 83, 4887-4893.	6.5	43
126	Channel Microband Chronoamperometry: From Transient to Steady-State Regimes. Analytical Chemistry, 2011, 83, 4170-4177.	6.5	19

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127	Electrochemically active phenylenediamine probes for transition metal cation detection. <i>New Journal of Chemistry</i> , 2011, 35, 709.	2.8	15
128	A density functional theory approach to mushroom-like platinum clusters on palladium-shell over Au core nanoparticles for high electrocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5441.	2.8	28
129	Tailoring Au-core Pd-shell Pt-cluster nanoparticles for enhanced electrocatalytic activity. <i>Chemical Science</i> , 2011, 2, 531-539.	7.4	172
130	Do Molecular Conductances Correlate with Electrochemical Rate Constants? Experimental Insights. <i>Journal of the American Chemical Society</i> , 2011, 133, 7509-7516.	13.7	114
131	Theory and experiments of microelectrodes performing as concentration probes within microfluidic channels with high temporal resolution. <i>Electrochemistry Communications</i> , 2011, 13, 1459-1461.	4.7	14
132	Electrochemical analysis of the interactions and reactivity of ferrocene-based drugs with a lipid environment: A qualitative overview. <i>Inorganica Chimica Acta</i> , 2011, 374, 59-68.	2.4	14
133	Molecular Motion Inside an Adsorbed [5:1] Fullerene Hexaadduct Observed by Ultrafast Cyclic Voltammetry. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2364-2367.	13.8	47
134	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.	13.8	68
135	Au@Pd Core-Shell Nanoparticles Catalyze Suzuki-Miyaura Reactions in Water through Pd Leaching. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12184-12188.	13.8	144
136	Gold Nanoclusters and Graphene Nanocomposites for Drug Delivery and Imaging of Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11644-11648.	13.8	275
137	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.	3.3	318
138	Replies to comments contained in "The True History of Adaptive Grids in Electrochemical Simulations" by D. Britz [<i>Electrochim. Acta</i> 56 (2011) 4420-4421]. <i>Electrochimica Acta</i> , 2011, 56, 4422-4423.	5.2	4
139	Electrochemistry at gold nanoparticles deposited on dendrimers assemblies adsorbed onto gold and platinum surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2011, 659, 76-82.	3.8	9
140	Anodic abatement of organic pollutants in water in micro reactors. <i>Journal of Electroanalytical Chemistry</i> , 2010, 638, 293-296.	3.8	56
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142	Diffusion from within a Spherical Body with Partially Blocked Surface: Diffusion through a Constant Surface Area. <i>ChemPhysChem</i> , 2010, 11, 149-158.	2.1	19
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