

Christian Amatore

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A DFT and SERS Study of Synergistic Roles of Thermodynamics and Kinetics During the Electrocatalytic Reduction Benzyl Chloride at Silver Cathodes. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 116267	4.1	0
474	Electrochemical Storage of Atomic Hydrogen on Single Layer Graphene. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18419-18425	16.4	3
473	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	4.3	0
472	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	4.3	
471	Surface Diffusion of Underpotential-Deposited Lead Adatoms on Gold Nanoelectrodes. <i>ChemElectroChem</i> , 2021 , 8, 2282-2287	4.3	0
470	Quantitative Nano-amperometric Measurement of Intravesicular Glutamate Content and its Sub-Quantal Release by Living Neurons. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15803-15808	16.4	6
469	Quantitative Nano-amperometric Measurement of Intravesicular Glutamate Content and its Sub-Quantal Release by Living Neurons. <i>Angewandte Chemie</i> , 2021 , 133, 15937-15942	3.6	5
468	Modelling diffusion at random arrays of electrodes: Revisiting the Voronoi tessellation concept. <i>Electrochimica Acta</i> , 2021 , 365, 137338	6.7	3
467	Nanoelectrodes for intracellular measurements of reactive oxygen and nitrogen species in single living cells. <i>Current Opinion in Electrochemistry</i> , 2020 , 22, 44-50	7.2	22
466	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	2.6	4
465	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	7.2	9
464	Intracellular Electrochemical Nanomeasurements Reveal that Exocytosis of Molecules at Living Neurons is Subquantal and Complex. <i>Angewandte Chemie</i> , 2020 , 132, 6777-6780	3.6	11
463	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	16.4	19
462	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	6.7	1
461	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	6.1	1
460	Amperometric Measurements and Dynamic Models Reveal a Mechanism for How Zinc Alters Neurotransmitter Release. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3083-3087	16.4	15
459	Amperometric Measurements and Dynamic Models Reveal a Mechanism for How Zinc Alters Neurotransmitter Release. <i>Angewandte Chemie</i> , 2020 , 132, 3107-3111	3.6	7

458	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	3.9	5
457	Electrochemical Monitoring of ROS/RNS Homeostasis Within Individual Phagolysosomes Inside Single Macrophages. <i>Angewandte Chemie</i> , 2019 , 131, 7835-7838	3.6	19
456	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	64
455	Electrochemical Monitoring of ROS/RNS Homeostasis Within Individual Phagolysosomes Inside Single Macrophages. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7753-7756	16.4	54
454	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	4.3	2
453	Harpagide, a natural product, promotes synaptic vesicle release as measured by nanoelectrode amperometry. <i>Chemical Science</i> , 2019 , 11, 778-785	9.4	19
452	Electroactive fluorescent false neurotransmitter FFN102 partially replaces dopamine in PC12 cell vesicles. <i>Biophysical Chemistry</i> , 2019 , 245, 1-5	3.5	5
451	A few key theoretical issues of importance in modern molecular electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2019 , 13, 33-39	7.2	8
450	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	3.9	8
449	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	7.8	20
448	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	7.8	14
447	3D Printed Rotating Acentric Binary-Disk Electrode. <i>Analytical Chemistry</i> , 2018 , 90, 13217-13221	7.8	3
446	Theory and Simulation for Optimising Electrogenerated Chemiluminescence from Tris(2,2'-bipyridine)-ruthenium(II)-Doped Silica Nanoparticles and Tripropylamine. <i>ChemElectroChem</i> , 2017 , 4, 1719-1730	4.3	18
445	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	4.3	
444	Theoretical Insights in ECL 2017 , 215-256		2
443	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	7.2	8
442	'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	2.4	19
441	A Stretchable Electrochemical Sensor for Inducing and Monitoring Cell Mechanotransduction in Real Time. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9454-9458	16.4	51

440	A Stretchable Electrochemical Sensor for Inducing and Monitoring Cell Mechanotransduction in Real Time. <i>Angewandte Chemie</i> , 2017 , 129, 9582-9586	3.6	6
439	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	1.2	6
438	Free Radicals: The Red Queen and the Russian Dolls. <i>Electrochemical Society Interface</i> , 2017 , 26, 41-45	3.6	2
437	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
436	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	3.6	26
435	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	16.4	86
434	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	4.3	5
433	II. Origine de la vie : un hasard (g)chimique inductible? 2017 , 19-29		
432	More Transparency in BioAnalysis of Exocytosis: Coupling of Electrochemistry and Fluorescence Microscopy at ITO Electrodes. <i>BIO Web of Conferences</i> , 2016 , 6, 01004	0.4	
431	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	3	17
430	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	3.9	25
429	On the mechanism of electrochemical vesicle cytometry: chromaffin cell vesicles and liposomes. <i>Faraday Discussions</i> , 2016 , 193, 65-79	3.6	45
428	Unexpected current-voltage characteristics of mechanically modulated atomic contacts with the presence of molecular junctions in an electrochemically assisted-MCMBJ. <i>Nano Research</i> , 2016 , 9, 560-570	10	25
427	Theory of Microwell Arrays Performing as Generators-Collectors Based on a Single Bipolar Plane Electrode. <i>ChemElectroChem</i> , 2016 , 3, 487-494	4.3	10
426	The evidence for open and closed exocytosis as the primary release mechanism. <i>Quarterly Reviews of Biophysics</i> , 2016 , 49, e12	7	66
425	How Bull's Bull 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	3.9	14
424	In vivo target bio-imaging of Alzheimer's disease by fluorescent zinc oxide nanoclusters. <i>Biomaterials Science</i> , 2016 , 4, 1085-91	7.4	25
423	Revisiting the Complex Osmocene Electro-Oxidation Mechanism. <i>Electrochimica Acta</i> , 2016 , 212, 973-978.	8.7	1

422	Enhancing the Bipolar Redox Cycling Efficiency of Plane-Recessed Microelectrode Arrays by Adding a Chemically Irreversible Interferent. <i>Analytical Chemistry</i> , 2016 , 88, 8535-41	7.8	5
421	Three-electrode analytical and preparative electrochemistry in micro-volume hanging droplets. <i>Electrochemistry Communications</i> , 2015 , 54, 41-45	5.1	11
420	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
419	Strong and Unexpected Effects of Diffusion Rates on the Generation of Electrochemiluminescence by Amine/Transition-Metal(II) Systems. <i>ChemElectroChem</i> , 2015 , 2, 811-818	4.3	18
418	In vivo accurate target bio-marking of tumors through in situ biosynthesized fluorescent zinc nanoclusters. <i>RSC Advances</i> , 2015 , 5, 74844-74849	3.7	12
417	Evaluation of photosynthetic electrons derivation by exogenous redox mediators. <i>Biophysical Chemistry</i> , 2015 , 205, 1-8	3.5	25
416	Interactions between Human Antibodies and Synthetic Conformational Peptide Epitopes: Innovative Approach for Electrochemical Detection of Biomarkers of Multiple Sclerosis at Platinum Electrodes. <i>Electrochimica Acta</i> , 2015 , 176, 1239-1247	6.7	9
415	Relations between Micro- and Macrophenomena 2015 , 371-392		
414	Validating a Central Approximation in Theories of Regular Electrode Electrochemical Arrays of Various Common Geometries. <i>Electroanalysis</i> , 2015 , 27, 980-991	3	24
413	Electrochemical Measurements of Optogenetically Stimulated Quantal Amine Release from Single Nerve Cell Varicosities in Drosophila Larvae. <i>Angewandte Chemie</i> , 2015 , 127, 13813-13816	3.6	10
412	Electrochemical Measurements of Optogenetically Stimulated Quantal Amine Release from Single Nerve Cell Varicosities in Drosophila Larvae. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13609-13614	16.4	34
411	Electrochemical Conversion of Dichloroacetic Acid to Chloroacetic Acid in a Microfluidic Stack and in a Series of Microfluidic Reactors. <i>ChemElectroChem</i> , 2015 , 2, 684-690	4.3	14
410	Real-time Monitoring of Discrete Synaptic Release Events and Excitatory Potentials within Self-reconstructed Neuromuscular Junctions. <i>Angewandte Chemie</i> , 2015 , 127, 9445-9450	3.6	11
409	Development and Validation of an Analytical Model for Predicting Chronoamperometric Responses of Random Arrays of Micro- and Nanodisk Electrodes. <i>ChemElectroChem</i> , 2015 , 2, 1279-1291	4.3	17
408	Synthesis, Characterization, and Biological Properties of Osmium-Based Tamoxifen Derivatives □ Comparison with Their Homologues in the Iron and Ruthenium Series. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4217-4226	2.3	28
407	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
406	Vesicular exocytosis and microdevices - microelectrode arrays. <i>Analyst, The</i> , 2015 , 140, 3687-95	5	24
405	Electrochemically Driven Supramolecular Interaction of Quinones and Ferrocifens: An Example of Redox Activation of Bioactive Compounds. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 136-162	3	25

404	Near-infrared fluorescence imaging of cancer cells and tumors through specific biosynthesis of silver nanoclusters. <i>Scientific Reports</i> , 2014 , 4, 4384	4.9	94
403	A new strategy for eliminating interference from EC? mechanism during analytical measurements based on plane-band-recessed microdisk array electrodes. <i>Electrochemistry Communications</i> , 2014 , 38, 61-64	5.1	9
402	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, 2643-7	16.4	23
401	Three roles for the fluoride ion in palladium-catalyzed Hiyama reactions: transmetalation of [ArPdFL] by Ar'Si(OR) <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6982-5	16.4	26
400	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	4.3	44
399	Quantitative analyses of ROS and RNS production in breast cancer cell lines incubated with ferroicifens. <i>ChemMedChem</i> , 2014 , 9, 1286-93	3.7	38
398	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, 3192-6	16.4	9
397	Simultaneous and multisite tumor rapid-target bioimaging through in vivo biosynthesis of fluorescent gold nanoclusters. <i>RSC Advances</i> , 2014 , 4, 37790-37795	3.7	24
396	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	6.7	32
395	Oxidative Sequence of a Ruthenocene-Based Anticancer Drug Candidate in a Basic Environment. <i>Organometallics</i> , 2014 , 33, 4940-4946	3.8	17
394	Gold atomic contact: Electron conduction in the presence of interfacial charge transfer. <i>Electrochemistry Communications</i> , 2014 , 47, 41-44	5.1	2
393	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	3.2	15
392	Water soluble diaza crown ether derivative: Synthesis and barium complexation studies. <i>Polyhedron</i> , 2014 , 68, 191-198	2.7	5
391	Strategy for increasing the electrode density of microelectrode arrays by utilizing bipolar behavior of a metallic film. <i>Analytical Chemistry</i> , 2014 , 86, 3138-45	7.8	19
390	Molecular electrochemistry and electrocatalysis: a dynamic view. <i>Molecular Physics</i> , 2014 , 112, 1273-1283.7		18
389	Recent advances in Electrochemical Detection of Exocytosis. <i>Electrochimica Acta</i> , 2014 , 140, 457-466	6.7	26
388	Copper-amyloid- β complex may catalyze peroxynitrite production in brain: evidence from molecular modeling. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10169-74	3.6	14
387	Amperometric detection of vesicular exocytosis from BON cells at carbon fiber microelectrodes. <i>Electrochimica Acta</i> , 2014 , 126, 74-80	6.7	19

386	Nanoelectrode for Amperometric Monitoring of Individual Vesicular Exocytosis Inside Single Synapses. <i>Angewandte Chemie</i> , 2014 , 126, 12664-12668	3.6	23
385	Real-Time Monitoring of Auxin Vesicular Exocytotic Efflux from Single Plant Protoplasts by Amperometry at Microelectrodes Decorated with Nanowires. <i>Angewandte Chemie</i> , 2014 , 126, 2681-2685	3.6	6
384	Nanoelectrode for amperometric monitoring of individual vesicular exocytosis inside single synapses. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12456-60	16.4	83
383	Monitoring and Quantifying the Passive Transport of Molecules Through Patch Pipette Suspended Real and Model Cell Membranes. <i>Angewandte Chemie</i> , 2014 , 126, 3256-3260	3.6	1
382	Electrochemical Conversion of Dichloroacetic Acid to Chloroacetic Acid in Conventional Cell and in Two Microfluidic Reactors. <i>ChemElectroChem</i> , 2014 , 1, 116-124	4.3	17
381	Three Roles for the Fluoride Ion in Palladium-Catalyzed Hiyama Reactions: Transmetalation of [ArPdFL2] by Ar ⁺ Si(OR) ₃ . <i>Angewandte Chemie</i> , 2014 , 126, 7102-7105	3.6	11
380	Vesicular release of neurotransmitters: converting amperometric measurements into size, dynamics and energetics of initial fusion pores. <i>Faraday Discussions</i> , 2013 , 164, 33-55	3.6	29
379	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
378	Direct electroanalytical method for alternative assessment of global antioxidant capacity using microchannel electrodes. <i>Analytical Chemistry</i> , 2013 , 85, 9057-63	7.8	27
377	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
376	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	3.8	24
375	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	7.3	10
374	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	4.1	25
373	Surface grafting of a π -conjugated amino-ferrocifen drug. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 699, 21-27	4.1	8
372	In vivo self-bio-imaging of tumors through in situ biosynthesized fluorescent gold nanoclusters. <i>Scientific Reports</i> , 2013 , 3, 1157	4.9	141
371	A new approach for the simulation of electrochemiluminescence (ECL). <i>ChemPhysChem</i> , 2013 , 14, 2237-502	3.2	31
370	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	2.3	7
369	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	2.7	10

368	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
367	Mass transport at infinite regular arrays of microband electrodes submitted to natural convection: theory and experiments. <i>Analytical Chemistry</i> , 2013 , 85, 12062-9	7.8	12
366	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, 1887-98	3.2	27
365	NHC-Capped Cyclodextrins (ICyDs): Insulated Metal Complexes, Commutable Multicoordination Sphere, and Cavity-Dependent Catalysis. <i>Angewandte Chemie</i> , 2013 , 125, 7354-7359	3.6	39
364	Electrocatalytic oxidation of organic substrates with molecular oxygen using tetradentate ruthenium(III)-Schiff base complexes as catalysts. <i>Electrochimica Acta</i> , 2012 , 75, 366-370	6.7	9
363	Indium Tin Oxide devices for amperometric detection of vesicular release by single cells. <i>Biophysical Chemistry</i> , 2012 , 162, 14-21	3.5	31
362	A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution under spherical or cylindrical diffusion. <i>Russian Journal of Electrochemistry</i> , 2012 , 48, 593-599	1.2	7
361	A novel approach to the simulation of electrochemical mechanisms involving acute reaction fronts at disk and band microelectrodes. <i>ChemPhysChem</i> , 2012 , 13, 845-59	3.2	18
360	The triple role of fluoride ions in palladium-catalyzed Suzuki-Miyaura reactions: unprecedented transmetalation from [ArPdFL2] complexes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1379-82	16.4	98
359	Ferrocenyl catechols: synthesis, oxidation chemistry and anti-proliferative effects on MDA-MB-231 breast cancer cells. <i>Dalton Transactions</i> , 2012 , 41, 7537-49	4.3	40
358	Evaluation of the anti-oxidant properties of a SOD-mimic Mn-complex in activated macrophages. <i>Dalton Transactions</i> , 2012 , 41, 6399-403	4.3	30
357	Water-soluble, redox-active organometallic calcium chelators. <i>Dalton Transactions</i> , 2012 , 41, 14257-64	4.3	1
356	Importance of correct prediction of initial concentrations in voltammetric scans: contrasting roles of thermodynamics, kinetics, and natural convection. <i>Analytical Chemistry</i> , 2012 , 84, 2792-8	7.8	23
355	Direct electrochemical reduction of organic halide droplets dispersed in water. <i>RSC Advances</i> , 2012 , 2, 5398	3.7	8
354	Electrochemistry of a ferrocene-grafted cell-penetrating peptide. <i>Electrochimica Acta</i> , 2012 , 80, 180-186	6.7	4
353	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
352	The Triple Role of Fluoride Ions in Palladium-Catalyzed Suzuki-Miyaura Reactions: Unprecedented Transmetalation from [ArPdFL2] Complexes. <i>Angewandte Chemie</i> , 2012 , 124, 1408-1411	3.6	50
351	Deciphering the activation sequence of ferrociphenol anticancer drug candidates. <i>Chemistry - A European Journal</i> , 2012 , 18, 6581-7	4.8	67

350	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
349	Mass transport at microband electrodes: transient, quasi-steady-state, and convective regimes. <i>ChemPhysChem</i> , 2012 , 13, 1562-8	3.2	26
348	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, 5441-9	3.6	26
347	Tailoring Au-core Pd-shell Pt-cluster nanoparticles for enhanced electrocatalytic activity. <i>Chemical Science</i> , 2011 , 2, 531-539	9.4	156
346	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
345	Theory and experiments of microelectrodes performing as concentration probes within microfluidic channels with high temporal resolution. <i>Electrochemistry Communications</i> , 2011 , 13, 1459-1461	5.1	9
344	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	2.7	13
343	Molecular Motion Inside an Adsorbed [5:1] Fullerene Hexaadduct Observed by Ultrafast Cyclic Voltammetry. <i>Angewandte Chemie</i> , 2011 , 123, 2412-2415	3.6	13
342	Coupling Amperometry and Total Internal Reflection Fluorescence Microscopy at ITO Surfaces for Monitoring Exocytosis of Single Vesicles. <i>Angewandte Chemie</i> , 2011 , 123, 5187-5190	3.6	19
341	AuPd CoreShell Nanoparticles Catalyze SuzukiMiyaura Reactions in Water through Pd Leaching. <i>Angewandte Chemie</i> , 2011 , 123, 12392-12396	3.6	36
340	Gold Nanoclusters and Graphene Nanocomposites for Drug Delivery and Imaging of Cancer Cells. <i>Angewandte Chemie</i> , 2011 , 123, 11848-11852	3.6	13
339	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
338	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
337	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
336	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
335	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
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