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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.

62 papers	2,995 citations	31 h-index	54 g-index
62 ext. papers	3,568 ext. citations	6.6 avg, IF	4.86 L-index

#	Paper	IF	Citations
62	Cyclic voltammetry on electrode surfaces covered with porous layers: An analysis of electron transfer kinetics at single-walled carbon nanotube modified electrodes. <i>Sensors and Actuators B: Chemical</i> , 2008 , 133, 462-466	8.5	352
61	Common genetic variation drives molecular heterogeneity in human iPSCs. <i>Nature</i> , 2017 , 546, 370-375	50.4	294
60	Aspartic acid racemization and collagen degradation markers reveal an accumulation of damage in tendon collagen that is enhanced with aging. <i>Journal of Biological Chemistry</i> , 2010 , 285, 15674-81	5.4	143
59	Convergent genomic signatures of domestication in sheep and goats. <i>Nature Communications</i> , 2018 , 9, 813	17.4	112
58	Cooperativity and rapid evolution of cobound transcription factors in closely related mammals. <i>Cell</i> , 2013 , 154, 530-40	56.2	107
57	Design, fabrication, characterisation and application of nanoelectrode arrays. <i>Chemical Physics Letters</i> , 2008 , 459, 1-17	2.5	107
56	The international Genome sample resource (IGSR): A worldwide collection of genome variation incorporating the 1000 Genomes Project data. <i>Nucleic Acids Research</i> , 2017 , 45, D854-D859	20.1	101
55	Derivatised carbon powder electrodes: reagentless pH sensors. <i>Talanta</i> , 2004 , 63, 1039-51	6.2	83
54	Unusual Voltammetry of the Reduction of O ₂ in [C ₄ d ₄ mim][N(Tf) ₂] Reveals a Strong Interaction of O ₂ with the [C ₄ d ₄ mim] ⁺ Cation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13709-13715	3.8	77
53	Influence of Electrode Roughness on Cyclic Voltammetry. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14428-14438	3.8	77
52	Diffusion-Limited Currents to Nanoparticles of Various Shapes Supported on an Electrode; Spheres, Hemispheres, and Distorted Spheres and Hemispheres. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18049-18054	3.8	67
51	Voltammetry at Regular Microband Electrode Arrays: Theory and Experiment. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12058-12066	3.8	66
50	Voltammetry at Nanoparticle and Microparticle Modified Electrodes: Theory and Experiment. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 17008-17014	3.8	65
49	Instantaneous, stoichiometric generation of powerfully reducing states of protein active sites using Eu(II) and polyaminocarboxylate ligands. <i>Chemical Communications</i> , 2003 , 2590-1	5.8	65
48	The human-induced pluripotent stem cell initiative-data resources for cellular genetics. <i>Nucleic Acids Research</i> , 2017 , 45, D691-D697	20.1	63
47	Numerical Simulation of Potential Step Chronoamperometry at Low Concentrations of Supporting Electrolyte. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13716-13728	3.8	59
46	Repeat associated mechanisms of genome evolution and function revealed by the and genomes. <i>Genome Research</i> , 2018 , 28, 448-459	9.7	57

45	Characterizing neutral genomic diversity and selection signatures in indigenous populations of Moroccan goats (<i>Capra hircus</i>) using WGS data. <i>Frontiers in Genetics</i> , 2015 , 6, 107	4.5	55
44	Chromosome assembly of large and complex genomes using multiple references. <i>Genome Research</i> , 2018 , 28, 1720-1732	9.7	54
43	Prospects and challenges for the conservation of farm animal genomic resources, 2015-2025. <i>Frontiers in Genetics</i> , 2015 , 6, 314	4.5	50
42	Extraction of electrode kinetic parameters from microdisc voltammetric data measured under transport conditions intermediate between steady-state convergent and transient linear diffusion as typically applies to room temperature ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 7560-5	3.4	46
41	Rapid establishment of the European Bank for induced Pluripotent Stem Cells (EBiSC) - the Hot Start experience. <i>Stem Cell Research</i> , 2017 , 20, 105-114	1.6	45
40	Cathodic reduction of bisulfite and sulfur dioxide in aqueous solutions on copper electrodes: an electrochemical ESR study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18500-6	3.4	45
39	Theory of Chronoamperometry at Cylindrical Microelectrodes and Their Arrays. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 11637-11644	3.8	41
38	A Standard Nomenclature for Referencing and Authentication of Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018 , 10, 1-6	8	39
37	Chronoamperometry and cyclic voltammetry at conical electrodes, microelectrodes, and electrode arrays: theory. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4059-66	3.4	39
36	Abrasively immobilised multiwalled carbon nanotube agglomerates: a novel electrode material approach for the analytical sensing of pH. <i>ChemPhysChem</i> , 2004 , 5, 669-77	3.2	38
35	A sensitive reagentless pH probe with a ca. 120 mV/pH unit response. <i>Journal of Solid State Electrochemistry</i> , 2004 , 8, 718	2.6	37
34	Quantitative Voltammetry in Weakly Supported Media: Effects of the Applied Overpotential and Supporting Electrolyte Concentration on the One Electron Oxidation of Ferrocene in Acetonitrile. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 333-337	3.8	36
33	Quantitative Voltammetry in Weakly Supported Media. Chronoamperometric Studies on Diverse One Electron Redox Couples Containing Various Charged Species: Dissecting Diffusional and Migrational Contributions and Assessing the Breakdown of Electroneutrality. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2227-2236	3.8	35
32	A molecular dynamics study of the interprotein interactions in collagen fibrils. <i>Soft Matter</i> , 2011 , 7, 3373-3382	3.3	34
31	Alignment of 1000 Genomes Project reads to reference assembly GRCh38. <i>GigaScience</i> , 2017 , 6, 1-8	7.6	31
30	Electrochemical Investigation of Hemispherical Microdroplets of N,N-Didodecyl-N,N'-diethylphenylenediamine Immobilized as Regular Arrays on Partially-Blocked Electrodes: A New Approach to Liquid Liquid Voltammetry. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9992-10002	3.8	31
29	Electrode Kinetics and Mechanism of Iodine Reduction in the Room-Temperature Ionic Liquid [C4mim][NTf2]. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10976-10981	3.8	30
28	A high-content platform to characterise human induced pluripotent stem cell lines. <i>Methods</i> , 2016 , 96, 85-96	4.6	28

27	Voltammetry in Weakly Supported Media: The Stripping of Thallium from a Hemispherical Amalgam Drop. Theory and Experiment. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17175-17182	3.8	28
26	Oxygen consumption rate of cells in 3D culture: the use of experiment and simulation to measure kinetic parameters and optimise culture conditions. <i>Analyst, The</i> , 2011 , 136, 4013-9	5	25
25	Atomistic modeling of collagen proteins in their fibrillar environment. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13263-70	3.4	25
24	Electroreduction of Chlorine Gas at Platinum Electrodes in Several Room Temperature Ionic Liquids: Evidence of Strong Adsorption on the Electrode Surface Revealed by Unusual Voltammetry in Which Currents Decrease with Increasing Voltage Scan Rates. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19477-19483	3.8	23
23	Linear Sweep Voltammetry at Randomly Distributed Arrays of Microband Electrodes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15053-15058	3.8	23
22	Fabricating random arrays of boron doped diamond nano-disc electrodes: Towards achieving maximum Faradaic current with minimum capacitive charging. <i>Sensors and Actuators B: Chemical</i> , 2008 , 133, 118-127	8.5	23
21	In situ electrochemical ESR and voltammetric studies on the anodic oxidation of para-haloanilines in acetonitrile. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 12636-49	3.4	23
20	The effect of water on the binding of glycosaminoglycan saccharides to hydroxyapatite surfaces: a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 22377-88	3.6	20
19	Gold Nanoparticle-Modified Carbon Nanotubes-Modified Electrodes. Using Voltammetry to Measure the Total Length of the Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1933-1937	3.8	18
18	An evaluation of sequencing coverage and genotyping strategies to assess neutral and adaptive diversity. <i>Molecular Ecology Resources</i> , 2019 , 19, 1497-1515	8.4	17
17	Potential step chronoamperometry at hemispherical mercury electrodes: The formation of thallium amalgams and the measurement of the diffusion coefficient of thallium in mercury. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 623, 165-169	4.1	17
16	Nonlinear Relaxation in Redox Processes in Ionic and Polar Liquids. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14538-14544	3.8	16
15	Steady state voltammetry at non-uniformly accessible electrodes: a study of Tafel plots for microdisc and tubular flow electrodes in the reversible and irreversible limits of electron transfer. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 862-70	3.6	14
14	On the use of digital staircase ramps for linear sweep voltammetry at microdisc electrodes: Large step potentials significantly broaden and shift voltammetric peaks. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 623, 129-133	4.1	14
13	Voltammetric and electrochemical ESR studies of oxidation reactions mediated by tris(4-bromophenyl)amine in acetonitrile. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2681-91	3.4	13
12	Binding of glycosaminoglycan saccharides to hydroxyapatite surfaces: A density functional theory study. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011 , 467, 2084-2101	2.4	12
11	Chemical instability promotes apparent electrochemical irreversibility: Studies on the electrode kinetics of the one electron reduction of the 2,6-diphenylpyrylium cation in acetonitrile solution. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 600, 285-293	4.1	12
10	Mass transport corrected Tafel analysis of voltammetric waves: When can it be applied?. <i>Electrochimica Acta</i> , 2007 , 52, 4305-4311	6.7	12

9	Measuring the size distribution of microelectrodes in an array. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 620-624	8.5	11
8	Measuring the solubility of benzoic acid in room temperature ionic liquids using chronoamperometric techniques. <i>Journal of Physical Organic Chemistry</i> , 2009 , 22, 69-76	2.1	10
7	Theory of diffusion to an annular microband electrode. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 625, 40-46	4.1	7
6	Linear sweep voltammetry at the tubular electrode: Theory of EC2 mechanisms. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 591, 133-140	4.1	7
5	Theory of EC Processes under Steady State Conditions at Microdisk Electrodes: Reversible and Irreversible Homogeneous Kinetics. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8690-8693	3.8	5
4	Numerical simulation of the limiting current for the CE mechanism at a microdisc electrode. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 615, 154-158	4.1	4
3	Voltammetric sizing and shaping of a cylinder. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 611, 201-207	4.1	3
2	Elevated Temperature Electrochemical Studies of Preoxidized Nickel Electrodes in the Presence of Sulfide. <i>Electroanalysis</i> , 2004 , 16, 1205-1210	3	3
1	Multiple adaptive solutions to face climatic constraints: novel insights in the debate over the role of convergence in local adaptation		1