Hubert Perrot

List of Publications by Year in descending order

234 papers	5,474 citations	81743 39 h-index	133063 59 g-index
238 all docs	238 docs citations	238 times ranked	4281 citing authors

#	Article	IF	Citations
1	Aqueous Multivalent Charge Storage Mechanism in Aromatic Diamine-Based Organic Electrodes. ACS Applied Materials & Interfaces, 2022, 14, 8508-8520.	4.0	12
2	Interfacial charge storage mechanisms of composite electrodes based on poly(ortho-phenylenediamine)/carbon nanotubes via advanced electrogravimetry. Journal of Chemical Physics, 2022, 156, 124703.	1.2	5
3	Ion Dynamics at the Carbon Electrode/Electrolyte Interface: Influence of Carbon Nanotubes Types. Materials, 2022, 15, 1867.	1.3	6
4	Interface evolution and performance degradation in LiCoO2 composite battery electrodes monitoredÂby advanced EQCM. Electrochimica Acta, 2022, 413, 140171.	2.6	1
5	Probing the Electrodeâ€“Electrolyte Interface of a Model K-Ion Battery Electrodeâ€”The Origin of Rate Capability Discrepancy between Aqueous and Non-Aqueous Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 20835-20847.	4.0	4
6	Scaling inhibition by sol-gel phosphosilicate hybrid films: Influence of doping Cu2+ and Zn2+ cations. Surface and Coatings Technology, 2022, 443, 128597.	2.2	2
7	Towards a high MnO₂ loading and gravimetric capacity from proton-coupled Mn⁴⁺/Mn²⁺ reactions using a 3D free-standing conducting scaffold. Journal of Materials Chemistry A, 2021, 9, 1500-1506.	5.2	12
8	Single Wall Carbon Nanotubes/Polypyrrole Composite Thin Film Electrodes: Investigation of Interfacial Ion Exchange Behavior. Journal of Composites Science, 2021, 5, 25.	1.4	2
9	Poly(ortho-phenylenediamine) overlaid fibrous carbon networks exhibiting a synergistic effect for enhanced performance in hybrid micro energy storage devices. Journal of Materials Chemistry A, 2021, 9, 10487-10496.	5.2	5
10	Scrutiny of the LiCoO₂ Composite Electrode/Electrolyte Interface by Advanced Electrogravimetry and Implications for Aqueous Li-Ion Batteries. Journal of Physical Chemistry C, 2021, 125, 3859-3867.	1.5	7
11	Preventing Graphene from Restacking via Bioinspired Chemical Inserts: Toward a Superior 2D Micro-supercapacitor Electrode. ACS Applied Nano Materials, 2021, 4, 4964-4973.	2.4	10
12	Electrosynthesis of hierarchical Cu2Oâ€“Cu(OH)2 nanodendrites supported on carbon nanofibers/poly(para-phenylenediamine) nanocomposite as high-efficiency catalysts for methanol electrooxidation. International Journal of Hydrogen Energy, 2021, 46, 19926-19938.	3.8	16
13	Elucidating the Origin of the Electrochemical Capacity in a Proton-Based Battery H_xIrO₄ via Advanced Electrogravimetry. ACS Applied Materials & Interfaces, 2020, 12, 4510-4519.	4.0	18
14	Electrically Conductive Thin Films Based on Nanofibrillated Cellulose: Interactions with Water and Applications in Humidity Sensing. ACS Applied Materials & Interfaces, 2020, 12, 36437-36448.	4.0	20
15	Tuning Redox State and Ionic Transfers of Mg/Fe-Layered Double Hydroxide Nanosheets by Electrochemical and Electrogravimetric Methods. Nanomaterials, 2020, 10, 1832.	1.9	6
16	Making Advanced Electrogravimetry as an Affordable Analytical Tool for Battery Interface Characterization. Analytical Chemistry, 2020, 92, 13803-13812.	3.2	17
17	Deciphering the Influence of Electrolytes on the Energy Storage Mechanism of Vertically-Oriented Graphene Nanosheet Electrodes by Using Advanced Electrogravimetric Methods. Nanomaterials, 2020, 10, 2451.	1.9	0
18	High-temperature oxidation evaluation using crystal microbalance. Corrosion Engineering Science and Technology, 2020, 55, 365-371.	0.7	1

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19	Insight into Kinetics and Mechanisms of AOT Vesicle Adsorption on Silica in Unfavorable Conditions. Langmuir, 2020, 36, 1937-1949.	1.6	7
20	Insights into Redox Reactions and Ionic Transfers in Nickel/Iron Layered Double Hydroxide in Potassium Hydroxide. Journal of Physical Chemistry C, 2020, 124, 3037-3049.	1.5	9
21	Synthesis of carbon nanofibers/poly(para-phenylenediamine)/nickel particles nanocomposite for enhanced methanol electrooxidation. International Journal of Hydrogen Energy, 2019, 44, 24534-24545.	3.8	30
22	Scale inhibition effect of Hylocereus undatus solution on calcium carbonate formation. Journal of Crystal Growth, 2019, 524, 125161.	0.7	12
23	Charge Storage Properties of Nanostructured Poly (3,4â€“ethylenedioxythiophene) Electrodes Revealed by Advanced Electrogravimetry. Nanomaterials, 2019, 9, 962.	1.9	4
24	Correlation between the interfacial ion dynamics and charge storage properties of poly(ortho-phenylenediamine) electrodes exhibiting high cycling stability. Journal of Power Sources, 2019, 438, 227032.	4.0	9
25	Ion Dynamics at the Single Wall Carbon Nanotube Based Composite Electrode/Electrolyte Interface: Influence of the Cation Size and Electrolyte pH. Journal of Physical Chemistry C, 2019, 123, 4262-4273.	1.5	9
26	Electrochemically Reduced Graphene Oxideâ€Sheltered ZnO Nanostructures Showing Enhanced Electrochemical Performance Revealed by an In Situ Electrogravimetric Study. Advanced Materials Interfaces, 2019, 6, 1801855.	1.9	5
27	Understanding the energy storage mechanisms of poly(3,4-ethylenedioxythiophene)-coated silicon nanowires by electrochemical quartz crystal microbalance. Materials Letters, 2019, 240, 59-61.	1.3	13
28	Tuning Charge Storage Properties of Supercapacitive Electrodes Evidenced by In Situ Gravimetric and Viscoelastic Explorations. Analytical Chemistry, 2019, 91, 2885-2893.	3.2	16
29	In-situ tracking of NaFePO4 formation in aqueous electrolytes and its electrochemical performances in Na-ion/polysulfide batteries. Journal of Power Sources, 2019, 412, 55-62.	4.0	30
30	Orientation of a Trametes versicolor laccase on amorphous carbon nitride coated graphite electrodes for improved electroreduction of dioxygen to water. Electrochimica Acta, 2018, 277, 255-267.	2.6	5
31	Charge storage properties of single wall carbon nanotubes/Prussian blue nanocube composites studied by multi-scale coupled electrogravimetric methods. Electrochimica Acta, 2018, 271, 297-304.	2.6	7
32	Coupling of electrochemical, electrogravimetric and surface analysis techniques to study dithiocarbamate/bronze interactions in chloride media. Corrosion Science, 2018, 130, 190-202.	3.0	9
33	Tracking the interfacial charge transfer behavior of hydrothermally synthesized ZnO nanostructures via complementary electrogravimetric methods. Physical Chemistry Chemical Physics, 2018, 20, 27140-27148.	1.3	7
34	Enhanced proton transport properties of Nafion via functionalized halloysite nanotubes. International Journal of Hydrogen Energy, 2018, 43, 18578-18591.	3.8	20
35	Unveiling the ionic exchange mechanisms in vertically-oriented graphene nanosheet supercapacitor electrodes with electrochemical quartz crystal microbalance and ac-electrogravimetry. Electrochemistry Communications, 2018, 93, 5-9.	2.3	22
36	Study of the influence of the supersaturation coefficient on scaling rate using the pre-calcified surface of a quartz crystal microbalance. Water Research, 2018, 142, 347-353.	5.3	10

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37	Electrochemical and viscoelastic evolution of dodecyl sulfate-doped polypyrrole films during electrochemical cycling. Electrochimica Acta, 2017, 233, 262-273.	2.6	16
38	Antiscalant properties of Herniaria glabra aqueous solution. Desalination, 2017, 409, 157-162.	4.0	16
39	Dynamic Resolution of Ion Transfer in Electrochemically Reduced Graphene Oxides Revealed by Electrogravimetric Impedance. Journal of Physical Chemistry C, 2017, 121, 9370-9380.	1.5	23
40	Correlation between the proton conductivity and diffusion coefficient of sulfonic acid functionalized chitosan and Nafion composites via impedance spectroscopy measurements. Ionics, 2017, 23, 2221-2227.	1.2	2
41	Sulfonic Acid Functionalized Chitosan as a Sustainable Component for Proton Conductivity Management in PEMs. ChemistrySelect, 2017, 2, 2503-2511.	0.7	8
42	Evaporationâ€Directed Crackâ€Patterning of Metalâ€“Organic Framework Colloidal Films and Their Application as Photonic Sensors. Angewandte Chemie - International Edition, 2017, 56, 14011-14015.	7.2	41
43	Poly(neutral red) on passivated nickel films. New insights through EQCM measurements. Russian Journal of Electrochemistry, 2016, 52, 1137-1149.	0.3	3
44	Evaluation of the electrochemical anion recognition of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.gif" overflow="scroll"><mml:mrow><mml:mtext>N</mml:mtext><mml:msubsup><mml:mrow><mml:mtext>O</mml:mtext></mml:mrow> poly(Azure A) in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.gif" overflow="scroll"><mml:mrow><mml:mtext>N</mml:mtext><mml:msubsup><mml:mtext>O</mml:m. Electrochimica Acta, 2016, 194, 292-303.	2.6	11
45	Electrospinning a versatile tool for designing hybrid proton conductive membrane. Journal of Membrane Science, 2016, 513, 12-19.	4.1	22
46	Gravimetric and dynamic deconvolution of global EQCM response of carbon nanotube based electrodes by Ac-electrogravimetry. Electrochemistry Communications, 2016, 70, 73-77.	2.3	40
47	Thermodynamic study of Zn2+ inhibition properties and mechanism on calcium carbonate precipitation by chemical and electrochemical methods. Desalination, 2016, 398, 114-120.	4.0	13
48	Dynamic Characterization of Inter- and Intralamellar Domains of Cobalt-Based Layered Double Hydroxides upon Electrochemical Oxidation. Chemistry of Materials, 2016, 28, 7793-7806.	3.2	28
49	Proton Transport in Electrospun Hybrid Organicâ€“Inorganic Membranes: An Illuminating Paradox. Advanced Functional Materials, 2016, 26, 594-604.	7.8	14
50	Antiscalant properties of Spergularia rubra and Parietaria officinalis aqueous solutions. Journal of Crystal Growth, 2016, 443, 43-49.	0.7	19
51	Ammonium pyrrolidine dithiocarbamate adsorption on copper surface in neutral chloride media. Corrosion Science, 2016, 106, 96-107.	3.0	27
52	Effect of 1-pyrrolidine dithiocarbamate on the galvanic coupling resistance of intermetallics â€“ Aluminum matrix during corrosion of AA 2024-T3 in a dilute NaCl. Corrosion Science, 2015, 92, 245-255.	3.0	38
53	Study of the inhibition effect of two polymers on calcium carbonate formation by fast controlled precipitation method and quartz crystal microbalance. Journal of Water Process Engineering, 2015, 7, 11-20.	2.6	30
54	The role of NH 4 + cations on the electrochemistry of Prussian Blue studied by electrochemical, mass, and color impedance spectroscopy. Journal of Solid State Electrochemistry, 2015, 19, 2555-2564.	1.2	7

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55	Ion intercalation dynamics of electrosynthesized mesoporous WO₃ thin films studied by multi-scale coupled electrogravimetric methods. Physical Chemistry Chemical Physics, 2015, 17, 14773-14787.	1.3	19
56	Electrochemically induced free solvent transfer in thin poly(3,4-ethylenedioxythiophene) films. Electrochimica Acta, 2015, 164, 21-30.	2.6	14
57	Viscoelastic potential-induced changes in acoustically thin films explored by quartz crystal microbalance with motional resistance monitoring. Electrochimica Acta, 2015, 176, 1454-1463.	2.6	13
58	Proton Diffusion Coefficient in Electrospun Hybrid Membranes by Electrochemical Impedance Spectroscopy. Langmuir, 2015, 31, 9737-9741.	1.6	4
59	Polymer dynamics in thin p-type conducting films investigated by ac-electrogravimetry. Kinetics aspects on anion exclusion, free solvent transfer, and conformational changes in poly(o-toluidine). Electrochimica Acta, 2015, 153, 33-43.	2.6	9
60	State of art of natural inhibitors of calcium carbonate scaling. A review article. Desalination, 2015, 356, 47-55.	4.0	237
61	New Insights into Pseudocapacitive Charge-Storage Mechanisms in Li-Birnessite Type MnO₂ Monitored by Fast Quartz Crystal Microbalance Methods. Journal of Physical Chemistry C, 2014, 118, 26551-26559.	1.5	49
62	Effects of anions size on the redox behavior of poly(o-toluidine) in acid solutions. An in situ vis-NIR cyclic spectroelectrogravimetry study. Electrochimica Acta, 2014, 125, 83-93.	2.6	10
63	Adsorption and self-assembly of a ferrocene d- and l-nonapeptide disulfide onto gold and mica substrates. New Journal of Chemistry, 2014, 38, 3637-3643.	1.4	1
64	In Situ Probing Calcium Carbonate Formation by Combining Fast Controlled Precipitation Method and Small-Angle X-ray Scattering. Langmuir, 2014, 30, 3303-3309.	1.6	22
65	Direct detection of calcium carbonate scaling via a pre-calcified sensitive area of a quartz crystal microbalance. Desalination, 2014, 352, 103-108.	4.0	12
66	Direct and fast detection of Alexandrium minutum algae by using high frequency microbalance. Journal of Microbiological Methods, 2014, 104, 49-54.	0.7	11
67	Influence of the Incorporation of CeO2 Nanoparticles on the Ion Exchange Behavior of Dodecylsulfate Doped Polypyrrole Films: Ac-Electrogravimetry Investigations. Electrochimica Acta, 2014, 145, 270-280.	2.6	14
68	Effects of anion size on the electrochemical behavior of H2SO4-structured poly(o-toluidine) films. An ac-electrogravimetry study in acid solutions. Electrochimica Acta, 2014, 132, 561-573.	2.6	11
69	Ã‰tude et dÃ©veloppement de dispositifs de type microbalance Ã quartz. Application Ã la formation de dÃ©pÃ´ts calco-carboniques. Instrumentation Mesure Metrologie, 2014, 14, 133-149.	0.2	0
70	Coupling of electrochemical techniques to study copper corrosion inhibition in 0.5molLâ¯1 NaCl by 1-pyrrolidine dithiocarbamate. Electrochimica Acta, 2013, 87, 348-360.	2.6	47
71	Determination of the Diffusion Coefficient of Protons in Nafion Thin Films by ac-Electrogravimetry. Langmuir, 2013, 29, 13655-13660.	1.6	30
72	Initiation and growth of a single pit on 316L stainless steel: Influence of SO42â¯ and ClO4â¯ anions. Electrochimica Acta, 2013, 104, 274-281.	2.6	36

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73	Frequency/voltage conversion circuit for alternating current electrogravimetry. Electronics Letters, 2013, 49, 1064-1066.	0.5	2
74	Strategy to design DNA-biosensors: Single-stranded probe grafting versus targetâ€“probe duplex grafting. Sensors and Actuators B: Chemical, 2012, 171-172, 719-725.	4.0	1
75	DNA hybridization mechanism in an interfacial environment: What hides beneath first order k (sâ^'1) kinetic constant?. Sensors and Actuators B: Chemical, 2012, 171-172, 522-527.	4.0	5
76	Kinetic and Mechanistic Aspects of a Poly(o-Toluidine)-Modified Gold Electrode. 2. Alternating Current Electrogravimetry Study in H2SO4 Solutions. Journal of Physical Chemistry C, 2012, 116, 15630-15640.	1.5	11
77	Kinetic and Mechanistic Aspects of a Poly(o-toluidine)-Modified Gold Electrode. 1. Simultaneous Cyclic Spectroelectrochemistry and Electrogravimetry Studies in H2SO4 Solutions. Journal of Physical Chemistry C, 2012, 116, 15620-15629.	1.5	14
78	Redox Switching of Heteropolyanions Entrapped in Polypyrrole Films Investigated by ac Electrogravimetry. Langmuir, 2012, 28, 13746-13757.	1.6	11
79	A flow microdevice for studying the initiation and propagation of a single pit. Corrosion Science, 2012, 62, 1-4.	3.0	10
80	Application of the Fast Controlled Precipitation method to assess the scale-forming ability of raw river waters. Desalination, 2012, 299, 89-95.	4.0	38
81	Redox switching of Prussian blue thin films investigated by ac-electrogravimetry. Electrochimica Acta, 2012, 84, 35-48.	2.6	19
82	Thiol- and Biotin-Labeled Probes for Oligonucleotide Quartz Crystal Microbalance Biosensors of Microalga Alexandrium Minutum. Biosensors, 2012, 2, 245-254.	2.3	12
83	Ionic and Free Solvent Motion in Poly(azure A) Studied by ac-Electrogravimetry. Journal of Physical Chemistry C, 2011, 115, 11132-11139.	1.5	16
84	Development of a Mass Sensitive Quartz Crystal Microbalance (QCM)-Based DNA Biosensor Using a 50 MHz Electronic Oscillator Circuit. Sensors, 2011, 11, 7656-7664.	2.1	61
85	Single pit initiation on 316L austenitic stainless steel using scanning electrochemical microscopy. Electrochimica Acta, 2011, 56, 8589-8596.	2.6	33
86	Correlation between ion-exchange properties and swelling/shrinking processes in hexasulfonated calix[6]arene doped polypyrrole films: ac-electrogravimetry and electrochemical atomic force microscopy investigations. Electrochimica Acta, 2011, 56, 3516-3525.	2.6	22
87	Electrochemical Stabilization of Prussian Blue Films in NH4Cl Aqueous Medium. ECS Transactions, 2011, 35, 53-61.	0.3	5
88	Ionsâ•Solvent Exchanges and Electromechanical Processes in Hexasulfonated Calix[6]Arene Doped Polypyrrole Films: Towards a Relaxation Mechanism. Electrochemical and Solid-State Letters, 2011, 14, F9.	2.2	12
89	Ionic Exchanges of Poly-(Azure A) Studied by AC-Electrogravimetry. ECS Transactions, 2011, 35, 43-51.	0.3	2
90	Ochratoxin A Detection by an Immunosensor Using Impedance Spectroscopy Coupled with Quartz Crystal Microbalance. Sensor Letters, 2011, 9, 2312-2315.	0.4	2

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91	Proton transport properties in hybrid membranes investigated by ac-electrogravimetry. Electrochemistry Communications, 2010, 12, 1136-1139.	2.3	19
92	Microelectrochemistry of copper in NaCl solution: Comparison between conventional microelectrode and microelectrochemical cell. Electrochemistry Communications, 2010, 12, 1230-1232.	2.3	23
93	High frequency mass transfer responses with polyaniline modified electrodes by using new ac-electrogravimetry device. Electrochimica Acta, 2010, 55, 6308-6312.	2.6	7
94	Electrochemical and electrogravimetric behaviors of conducting polymer. Theoretical aspects and application to co-polymer films based on juglone. Electrochimica Acta, 2010, 55, 6136-6146.	2.6	18
95	Label-Free Femtomolar Detection of Target DNA by Impedimetric DNA Sensor Based on Poly(pyrrole-nitrilotriacetic acid) Film. Analytical Chemistry, 2010, 82, 1066-1072.	3.2	87
96	Proton Insertion Properties in a Hybrid Membrane/Conducting Polymer Bilayer Investigated by AC Electrogravimetry. Journal of the Electrochemical Society, 2010, 157, F69.	1.3	11
97	Modified Piezoelectric Surfaces. , 2009, , 271-287.		1
98	Electronic Perspective on the Electrochemistry of Prussian Blue Films. Journal of the Electrochemical Society, 2009, 156, P74.	1.3	24
99	Functionalized Hybrid Organic-Inorganic Membranes Investigated by ac-Electrogravimetry. ECS Transactions, 2009, 25, 1115-1123.	0.3	0
100	An Electronic Perspective On The Electrochemical Changeover In Prussian Blue-Like Materials. ECS Transactions, 2009, 16, 151-162.	0.3	0
101	Study of the Dissolution of Thin Films of Cerium Oxide by Using a GaPO₄ Crystal Microbalance. Analytical Chemistry, 2009, 81, 5139-5145.	3.2	15
102	The molybdateâ€“zinc conversion process. Corrosion Science, 2009, 51, 151-158.	3.0	45
103	Design and implementation of a DNA biosensor based on a 50MHz QCM electronic oscillator circuit. , 2009, , .		0
104	A biosensor for detection of DNA sequences based on a 50MHz QCM electronic oscillator circuit. , 2009, , .		5
105	AC-Electrogravimetry Investigation in Electroactive Thin Films. Modern Aspects of Electrochemistry, 2009, , 151-238.	0.2	7
106	How to Control Accessibility to Biosensor Probes?. Sensor Letters, 2009, 7, 952-956.	0.4	2
107	Composite Passive Layers of Ni(OH)2/Poly-(Neutral Red) on Nickel in a Weakly Acid Sulphate Medium Grown under Potentiodynamic Conditions. ECS Transactions, 2008, 6, 79-95.	0.3	1
108	An investigation of copper interconnect deposition bath ageing by electrochemical impedance spectroscopy. Journal of Applied Electrochemistry, 2008, 38, 457-468.	1.5	23

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109	Electrochemistry on microcircuits. II: Copper dendrites in oxalic acid. Microelectronic Engineering, 2008, 85, 1686-1698.	1.1	13
110	Electrochemistry on microcircuits. I: Copper microelectrodes in oxalic acid media. Microelectronic Engineering, 2008, 85, 1677-1685.	1.1	6
111	Layer-by-Layer DNA film synthesis via branched hybridization. Irbm, 2008, 29, 133-135.	3.7	1
112	ac-Electrogravimetry study of ionic and solvent motion in polypyrrole films doped with an heteropolyanion, SiMo12O404â^'. Electrochimica Acta, 2008, 53, 3836-3843.	2.6	15
113	Coloring ionic trapping states in WO3 and Nb2O5 electrochromic materials. Electrochimica Acta, 2008, 53, 5533-5539.	2.6	34
114	Electroacoustic Polymer Microchip as an Alternative to Quartz Crystal Microbalance for Biosensor Development. Analytical Chemistry, 2008, 80, 8900-8907.	3.2	14
115	TSM-AW Sensors Based on Miller XCOs for Microgravimetric Measurements in Liquid Media. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2309-2319.	2.4	16
116	Formation of a Copper Oxide Layer as a Key Step in the Metallic Copper Deposition Mechanism. Journal of Physical Chemistry C, 2008, 112, 4275-4280.	1.5	12
117	Synchrotron Structural Characterization of Electrochemically Synthesized Hexacyanoferrates Containing K+: A Revisited Analysis of Electrochemical Redox. Journal of Physical Chemistry C, 2008, 112, 13264-13271.	1.5	50
118	Improved frequency/voltage converters for fast quartz crystal microbalance applications. Review of Scientific Instruments, 2008, 79, 045113.	0.6	14
119	Influence of the Anode on the Degradation of the Additives in the Damascene Process for Copper Deposition. Journal of the Electrochemical Society, 2007, 154, D163.	1.3	8
120	Copper Dendrite Growth on a Microcircuit in Oxalic Acid. Journal of the Electrochemical Society, 2007, 154, H393.	1.3	8
121	A Model for Copper Deposition in the Damascene Process. Journal of the Electrochemical Society, 2007, 154, D13.	1.3	22
122	Investigation of Copper Processing in the Damascene Process by Electrochemical Impedance Analysis.. ECS Transactions, 2007, 6, 33-50.	0.3	2
123	Electroacoustic miniaturized DNA-biosensor. Lab on A Chip, 2007, 7, 1607.	3.1	15
124	Fast, Continuous and Accurate Frequency Shift Measurement in the AC Electrogravimetry Technique. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	0
125	Spectroelectrochemical Identification of the Active Sites for Protons and Anions Insertions into Poly-(Azure A) Thin Polymer Films. Journal of Physical Chemistry C, 2007, 111, 14230-14237.	1.5	22
126	New frequency/voltage converters for ac-electrogravimetric measurements based on fast quartz crystal microbalance. Review of Scientific Instruments, 2007, 78, 074103.	0.6	14

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127	Electromechanical Phase Transition in Hexacyanometallate Nanostructure (Prussian Blue). Journal of the American Chemical Society, 2007, 129, 7121-7126.	6.6	35
128	Usefulness of F(dm/dQ) Function for Elucidating the Ions Role in PB Films. Journal of the Electrochemical Society, 2007, 154, F134.	1.3	26
129	Design Considerations of Miller Oscillators for High-Sensitivity QCM Sensors in Damping Media. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1965-1976.	1.7	19
130	Ac-electrogravimetry study of ionic exchanges on a polypyrrole modified electrode in various electrolytes. Electrochemistry Communications, 2007, 9, 2196-2201.	2.3	19
131	A SECM assisted EQCM study of iron pitting. Electrochimica Acta, 2007, 52, 7706-7714.	2.6	51
132	Growth of electrolytic copper dendrites. I: Current transients and optical observation. Journal of Electroanalytical Chemistry, 2007, 606, 75-84.	1.9	20
133	Growth of electrolytic copper dendrites. II: Oxalic acid medium. Journal of Electroanalytical Chemistry, 2007, 606, 85-94.	1.9	24
134	Simulation of QCM sensors based on high stability classical oscillator configurations in damping media. Sensors and Actuators B: Chemical, 2007, 123, 560-567.	4.0	5
135	Supramolecular interactions between Î²-cyclodextrin and hydrophobically end-capped poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over 800-804.	5.0	9
136	On the behaviour of copper in oxalic acid solutions. Electrochimica Acta, 2007, 52, 6012-6022.	2.6	12
137	Investigation of hydrogen adsorptionâ€“absorption on iron by EIS. Electrochimica Acta, 2007, 53, 700-709.	2.6	14
138	Growth of electrolytic copper dendrites. III: Influence of the presence of copper sulphate. Journal of Electroanalytical Chemistry, 2007, 606, 95-102.	1.9	7
139	Thermodynamic Aspects of Ion Intercalation in KhFek[Fe(CN)6]lÂ·mH2O Compounds:â€‰ Application to the Everit's Salt/Prussian Blue Transition. Journal of Physical Chemistry B, 2006, 110, 19364-19368.	1.2	7
140	A 6MHz QCM Sensor with a Miller XCO and its application in liquid media. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	0
141	TSM Acoustic Wave Sensors for Liquid Media based on Miller Oscillators. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	0
142	Changeover during in Situ Compositional Modulation of Hexacyanoferrate (Prussian Blue) Material. Journal of the American Chemical Society, 2006, 128, 17146-17152.	6.6	42
143	Kinetic Aspects of Ion Exchange in KhFek[Fe(CN)6]lÂ·mH2O Compounds:â€‰ A Combined Electrical and Mass Transfer Functions Approach. Journal of Physical Chemistry B, 2006, 110, 19352-19363.	1.2	20
144	Mechanism for Interplay between Electron and Ionic Fluxes in KhFek[Fe(CN)6]lÂ·mH2O Compounds. Journal of Physical Chemistry B, 2006, 110, 2715-2722.	1.2	27

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145	Mechanism for Interplay between Electron and Ionic Fluxes in KhFek[Fe(CN)6]lÂ·mH2O Compounds. Journal of Physical Chemistry B, 2006, 110, 10208-10208.	1.2	3
146	A model for copper deposition in the damascene process. Electrochimica Acta, 2006, 51, 1462-1472.	2.6	68
147	Oligonucleotide quartz crystal microbalance sensor for the microalgae Alexandrium minutum (Dinophyceae). Biosensors and Bioelectronics, 2006, 21, 1355-1358.	5.3	21
148	Building of an immunosensor: How can the composition and structure of the thiol attachment layer affect the immunosensor efficiency?. Biosensors and Bioelectronics, 2006, 22, 440-448.	5.3	102
149	Mass/charge balance as a tool to estimate dimensional change in polypyrrole-based actuators. Electrochemistry Communications, 2006, 8, 195-199.	2.3	6
150	Electrochemical impedance spectroscopy as a tool to estimate thickness in PB films. Electrochemistry Communications, 2006, 8, 371-374.	2.3	10
151	ac-Electrogravimetry study of an all solid state potassium selective electrode with polypyrrole as the solid internal contact. Electrochimica Acta, 2006, 51, 1704-1712.	2.6	6
152	In situ QCM DNA-biosensor probe modification. Sensors and Actuators B: Chemical, 2006, 120, 329-337.	4.0	42
153	Mass and charge balance in self-assembled multilayer films on gold. Measurements with optical reflectometry and quartz crystal microbalance. Journal of Colloid and Interface Science, 2006, 296, 409-418.	5.0	39
154	Transfer function analysis of hydrogen permeation through a metallic membrane in a Devanathan cell. I. Theory. Journal of Electroanalytical Chemistry, 2006, 590, 1-14.	1.9	19
155	Transfer function analysis of hydrogen permeation through a metallic membrane in a Devanathan cell. Journal of Electroanalytical Chemistry, 2006, 590, 15-25.	1.9	18
156	Analogueâ€“digital phase-locked loop for alternating current quartz electrogravimetry. Electronics Letters, 2006, 42, 1272.	0.5	11
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