

Carlos M Pereira

List of Publications by Year in descending order

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145
papers

4,313
citations

101496

36
h-index

138417

58
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147
all docs

147
docs citations

147
times ranked

4705
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical sensors and biosensors for determination of catecholamine neurotransmitters: A review. <i>Talanta</i> , 2016, 160, 653-679.	2.9	154
2	The electrical double layer at the [BMIM][PF6] ionic liquid/electrode interface – Effect of temperature on the differential capacitance. <i>Journal of Electroanalytical Chemistry</i> , 2008, 622, 153-160.	1.9	149
3	Gold Nanowire Networks: Synthesis, Characterization, and Catalytic Activity. <i>Langmuir</i> , 2011, 27, 3906-3913.	1.6	135
4	Long time effect on the stability of silver nanoparticles in aqueous medium: Effect of the synthesis and storage conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 364, 19-25.	2.3	132
5	Conductive Gold Nanoparticle Mirrors at Liquid/Liquid Interfaces. <i>ACS Nano</i> , 2013, 7, 9241-9248.	7.3	128
6	Differential capacity of a deep eutectic solvent based on choline chloride and glycerol on solid electrodes. <i>Electrochimica Acta</i> , 2009, 54, 2630-2634.	2.6	111
7	Micro-hole interface for the amperometric determination of ionic species in aqueous solutions. <i>Journal of Electroanalytical Chemistry</i> , 1994, 364, 155-161.	1.9	107
8	Electrochemical Characterization of Polyelectrolyte/Gold Nanoparticle Multilayers Self-Assembled on Gold Electrodes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21808-21817.	1.2	98
9	Disposable electrochemical detection of breast cancer tumour marker CA 15-3 using poly(Toluidine) Tj ETQq1 1 0.784314 rgBT /Over 5.3 92		
10	Electrochemical Impedance Spectroscopy of Polyelectrolyte Multilayer Modified Electrodes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17973-17982.	1.2	84
11	Double layer in room temperature ionic liquids: influence of temperature and ionic size on the differential capacitance and electrocapillary curves. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11125.	1.3	73
12	Micropipette as a tool for the determination of the ionic species limiting the potential window at liquid/liquid interfaces. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 305, 135-139.	0.3	72
13	Catalytic Effect of Gold Nanoparticles Self-Assembled in Multilayered Polyelectrolyte Films. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9255-9266.	1.5	71
14	Molecularly imprinted polymer SPE sensor for analysis of CA-125 on serum. <i>Analytica Chimica Acta</i> , 2019, 1082, 126-135.	2.6	71
15	Electrochemical detection of cardiac biomarker myoglobin using polyphenol as imprinted polymer receptor. <i>Analytica Chimica Acta</i> , 2017, 981, 41-52.	2.6	68
16	Electrochemical studies of metallic chromium electrodeposition from a Cr(III) bath. <i>Journal of Electroanalytical Chemistry</i> , 2013, 707, 52-58.	1.9	66
17	Tin electrodeposition from choline chloride based solvent: Influence of the hydrogen bond donors. <i>Journal of Electroanalytical Chemistry</i> , 2013, 703, 80-87.	1.9	65
18	Improved Force Field Model for the Deep Eutectic Solvent Ethaline: Reliable Physicochemical Properties. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10124-10137.	1.2	63

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19	Electrochemical double layer at the interfaces of Hg/choline chloride based solvents. <i>Electrochimica Acta</i> , 2010, 55, 8916-8920.	2.6	61
20	Ion association at liquid liquid interfaces. <i>Journal of Electroanalytical Chemistry</i> , 1997, 436, 9-15.	1.9	60
21	Evaluation of the lipophilic properties of opioids, amphetamine-like drugs, and metabolites through electrochemical studies at the interface between two immiscible solutions. <i>Analytical Biochemistry</i> , 2007, 361, 236-243.	1.1	59
22	Electrochemical sensing of silver tags labelled DNA immobilized onto disposable graphite electrodes. <i>Electrochemistry Communications</i> , 2007, 9, 2167-2173.	2.3	58
23	Electrodeposition of Zinc from Choline Chloride-Ethylene Glycol Deep Eutectic Solvent: Effect of the Tartrate Ion. <i>Journal of the Electrochemical Society</i> , 2012, 159, D501-D506.	1.3	56
24	Sarcosine oxidase composite screen-printed electrode for sarcosine determination in biological samples. <i>Analytica Chimica Acta</i> , 2014, 850, 26-32.	2.6	56
25	Voltammetric determination of paraquat at DNA-gold nanoparticle composite electrodes. <i>Electrochimica Acta</i> , 2010, 55, 7892-7896.	2.6	55
26	Electrochemical Study of the Anticancer Drug Daunorubicin at a Water/Oil Interface: Drug Lipophilicity and Quantification. <i>Analytical Chemistry</i> , 2013, 85, 1582-1590.	3.2	52
27	Zinc Electrodeposition from deep eutectic solvent containing organic additives. <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 545-551.	1.9	51
28	On the capacity of liquid-liquid interfaces. <i>Chemical Physics Letters</i> , 1997, 268, 13-20.	1.2	49
29	Development of a Mitochondriotropic Antioxidant Based on Caffeic Acid: Proof of Concept on Cellular and Mitochondrial Oxidative Stress Models. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7084-7098.	2.9	47
30	Biodegradable deep-eutectic mixtures as electrolytes for the electrochemical synthesis of conducting polymers. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 997-1003.	1.5	46
31	Differential capacitance of liquid/liquid interfaces: effect of electrolytes present in each phase. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 143.	1.7	45
32	Electrosynthesis of Polyaniline from Choline-Based Deep Eutectic Solvents: Morphology, Stability and Electrochromism. <i>Journal of the Electrochemical Society</i> , 2012, 159, G97-G105.	1.3	45
33	Ion-Transfer Reactions at the Nanoscopic Water/n-Octanol Interface. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6861-6864.	7.2	42
34	Evaluation of shock absorption properties of rubber materials regarding footwear applications. <i>Polymer Testing</i> , 2009, 28, 642-647.	2.3	40
35	On the thickness of the double layer in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 10275-10285.	1.3	40
36	Influence of the anion on the properties of ionic liquid mixtures: a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14899-14918.	1.3	40

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37	Electrochemical study of aqueous-organic gel micro-interfaces. <i>Electrochimica Acta</i> , 1997, 42, 3095-3103.	2.6	39
38	Amperometric Glucose Biosensor Based on Assisted Ion Transfer through Gel-Supported Microinterfaces. <i>Analytical Chemistry</i> , 2004, 76, 5547-5551.	3.2	39
39	The electrical double layer at the ionic liquid/Au and Pt electrode interface. <i>RSC Advances</i> , 2014, 4, 28914-28921.	1.7	39
40	Charge Storage on Ionic Liquid Electric Double Layer: The Role of the Electrode Material. <i>Electrochimica Acta</i> , 2015, 167, 421-428.	2.6	37
41	Adsorption of Glucose Oxidase at Organic/Aqueous and Air/Aqueous Interfaces. <i>Langmuir</i> , 2003, 19, 4977-4984.	1.6	36
42	A Comparative Study of the Anion Transfer Kinetics Across a Water/Nitrobenzene Interface by Means of Electrochemical Impedance Spectroscopy and Square-Wave Voltammetry at Thin Organic Film-Modified Electrodes. <i>Langmuir</i> , 2006, 22, 3404-3412.	1.6	36
43	Preparation and characterization of DNA films using oleylamine modified Au surfaces. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 626-634.	5.0	36
44	Zn-Sn electrodeposition from deep eutectic solvents containing EDTA, HEDTA, and Idranal VII. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 561-571.	1.5	36
45	Electrochemical Properties of Phospholipid Monolayers at Liquid-Liquid Interfaces. <i>ChemPhysChem</i> , 2010, 11, 28-41.	1.0	35
46	Molecular Dynamics Study of the Gold/Ionic Liquids Interface. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9883-9892.	1.2	35
47	Pulse Amperometric Detection of Salt Concentrations by Flow Injection Analysis Using Ionodes. <i>Analytical Chemistry</i> , 2000, 72, 5562-5566.	3.2	34
48	Voltammetric Studies of Topotecan Transfer Across Liquid/Liquid Interfaces and Sensing Applications. <i>Analytical Chemistry</i> , 2015, 87, 5356-5362.	3.2	34
49	Spectroelectrochemical study of the copper(II) transfer assisted by 6,7-dimethyl-2,3-di(2-pyridyl)quinoxaline at the water 1,2-dichloroethane interface. <i>Journal of Electroanalytical Chemistry</i> , 1998, 453, 171-177.	1.9	33
50	Amperometric tape ion sensors for cadmium(II) ion analysis. <i>Talanta</i> , 2009, 78, 66-70.	2.9	33
51	Amperometric proton selective sensors utilizing ion transfer reactions across a microhole liquid/gel interface. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15184.	1.3	32
52	Size-Dependent Electrochemical Properties of Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13077-13087.	1.5	30
53	Development of hydroxybenzoic-based platforms as a solution to deliver dietary antioxidants to mitochondria. <i>Scientific Reports</i> , 2017, 7, 6842.	1.6	30
54	Monolayers of gemini surfactants and their catanionic mixtures with sodium dodecyl sulfate at the air-water interface: Chain length and composition effects. <i>Thin Solid Films</i> , 2008, 516, 7458-7466.	0.8	29

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55	Electrochemical study of dopamine and noradrenaline at the water/1,6-dichlorohexane interface. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15190.	1.3	29
56	Ag ⁺ transfer across the water/1,2-dichloroethane interface facilitated by complex formation with tetraphenylborate derivatives. <i>Electrochimica Acta</i> , 2004, 49, 263-270.	2.6	26
57	Immobilized pH Gradient Gel Cell To Study the pH Dependence of Drug Lipophilicity. <i>Analytical Chemistry</i> , 2006, 78, 1503-1508.	3.2	25
58	Electric double layer studies at the interface of mercury–binary ionic liquid mixtures with a common anion. <i>RSC Advances</i> , 2013, 3, 11697.	1.7	25
59	Interactions in the ionic liquid [EMIM][FAP]: a coupled experimental and computational analysis. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2617-2628.	1.3	25
60	Computational and experimental study of propylene: A choline chloride based deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2020, 298, 111978.	2.3	25
61	Molecular Dynamics Study of 2-Nitrophenyl Octyl Ether and Nitrobenzene. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12530-12538.	1.2	24
62	Density-Dependent Electrochemical Properties of Vertically Aligned Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9478-9488.	1.5	24
63	Electrochemical sensing of ammonium ion at the water/1,6-dichlorohexane interface. <i>Talanta</i> , 2012, 88, 54-60.	2.9	24
64	New Force Field Model for Propylene Glycol: Insight to Local Structure and Dynamics. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10906-10921.	1.2	24
65	Electrochemistry of 2,8-dithia[9],(2,9)-1,10-phenanthroline (L) at the polarized water/1,2-dichloroethane interface: Evaluation of the complexation properties towards transition and post-transition metal ions. <i>Journal of Electroanalytical Chemistry</i> , 2006, 587, 155-160.	1.9	23
66	Enhancement of differential double layer capacitance and charge accumulation by tuning the composition of ionic liquids mixtures. <i>Electrochimica Acta</i> , 2018, 261, 214-220.	2.6	23
67	Structural ordering transitions in ionic liquids mixtures. <i>Electrochemistry Communications</i> , 2015, 57, 10-13.	2.3	22
68	Electrodeposition of Co and Co composites with carbon nanotubes using choline chloride-based ionic liquids. <i>Surface and Coatings Technology</i> , 2017, 324, 451-462.	2.2	22
69	Toxicological impact of cadmium-based quantum dots towards aquatic biota: Effect of natural sunlight exposure. <i>Aquatic Toxicology</i> , 2016, 176, 197-207.	1.9	21
70	Electrochemistry-Assisted Surface Plasmon Resonance Biosensor for Detection of CA 15 ³ . <i>Analytical Chemistry</i> , 2021, 93, 7815-7824.	3.2	21
71	Capacitance and ionic association at the electrified oil–water interface: the effect of the oil phase composition. <i>Journal of Electroanalytical Chemistry</i> , 2001, 509, 148-154.	1.9	20
72	Coupling of Cyclic Voltammetry and Electrochemical Impedance Spectroscopy for Probing the Thermodynamics of Facilitated Ion Transfer Reactions Exhibiting Chemical Kinetic Hindrances. <i>Journal of Physical Chemistry C</i> , 2008, 112, 153-161.	1.5	20

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73	Characterization and electrochemical studies of MWCNTs decorated with Ag nanoparticles through pulse reversed current electrodeposition using a deep eutectic solvent for energy storage applications. <i>Journal of Materials Research and Technology</i> , 2021, 15, 342-359.	2.6	20
74	The Effect of Complex Agents on the Electrodeposition of Tin from Deep Eutectic Solvents. <i>ECS Electrochemistry Letters</i> , 2012, 1, D5-D7.	1.9	19
75	Catanionic surfactant films at the air/water interface. <i>Thin Solid Films</i> , 2006, 515, 2031-2037.	0.8	18
76	Influence of the stabilizers on the toxicity of metallic nanomaterials in aquatic organisms and human cell lines. <i>Science of the Total Environment</i> , 2017, 607-608, 1264-1277.	3.9	18
77	Electrochemistry-assisted surface plasmon resonance detection of miRNA-145 at femtomolar level. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128129.	4.0	17
78	Voltammetric Insights in the Transfer of Ionizable Drugs Across Biomimetic Membranes - Recent Achievements. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 514-526.	0.6	16
79	A Disposable Saliva Electrochemical MIP-Based Biosensor for Detection of the Stress Biomarker Î±-Amylase in Point-of-Care Applications. <i>Electrochem</i> , 2021, 2, 427-438.	1.7	16
80	Dicationic Ionic Liquid: Insight in the Electrical Double Layer Structure at mercury, glassy carbon and gold surfaces. <i>Electrochimica Acta</i> , 2014, 116, 306-313.	2.6	15
81	Electrochemistry of the Interaction between Bioactive Drugs Daunorubicin and Dopamine and DNA at a Water/Oil Interface. <i>Electrochimica Acta</i> , 2015, 180, 687-694.	2.6	15
82	Protein Imprinted Material electrochemical sensor for determination of Annexin A3 in biological samples. <i>Electrochimica Acta</i> , 2016, 190, 887-893.	2.6	15
83	On the role of the surface charge plane position at Au(hkl)/BMImPF6 interfaces. <i>Electrochimica Acta</i> , 2019, 318, 76-82.	2.6	15
84	Preparation of molecularly imprinted hollow TiO2 microspheres for selective photocatalysis. <i>Chemical Engineering Journal Advances</i> , 2021, 5, 100071.	2.4	15
85	Electrochemical immunosensor for detection of CA 15-3 biomarker in point-of-care. <i>Sensing and Bio-Sensing Research</i> , 2021, 33, 100445.	2.2	15
86	Square wave voltammetry with arrays of liquid/liquid microinterfaces. <i>Electroanalysis</i> , 1994, 6, 1034-1039.	1.5	14
87	Electrochemical Study of Ion Transfer of Acetylcholine Across the Interface of Water and a Lipid-Modified 1,2-Dichloroethane. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12549-12559.	1.2	14
88	Parylene C coated microelectrodes for scanning electrochemical microscopy. <i>Electrochimica Acta</i> , 2013, 110, 22-29.	2.6	14
89	Analysis of adsorption of phospholipids at the 1,2-dichloroethane/water interface by electrochemical impedance spectroscopy: A study of the effect of the saturated alkyl chain. <i>Journal of Electroanalytical Chemistry</i> , 2007, 599, 367-375.	1.9	12
90	Differential capacitance of liquid/liquid interfaces of finite thicknesses: a finite element study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11268.	1.3	12

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91	Influence of Amines on the Electrodeposition of Zn-Ni Alloy from a Eutectic-Type Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2015, 162, D325-D330.	1.3	12
92	Metal cation sorption ability of immobilized and reticulated chondroitin sulfate or fucoidan through a sol-gel crosslinking scheme. <i>Materials Today Communications</i> , 2016, 8, 172-182.	0.9	12
93	Role of the anion on the Interfacial Structure of Ionic Liquids Binary Mixtures at Mercury Interfaces. <i>Electrochimica Acta</i> , 2016, 195, 150-157.	2.6	12
94	Electrochemical Characterization of Redox Probes at Gold Screen-Printed Electrodes: Efforts towards Signal Stability. <i>ChemistrySelect</i> , 2020, 5, 5041-5048.	0.7	12
95	Ecotoxicity to Freshwater Organisms and Cytotoxicity of Nanomaterials: Are We Generating Sufficient Data for Their Risk Assessment?. <i>Nanomaterials</i> , 2021, 11, 66.	1.9	12
96	Effect of Nonionic Surfactants on Interfacial Electron Transfer at the Liquid/Liquid Interface. <i>Langmuir</i> , 2001, 17, 8348-8354.	1.6	11
97	Adsorption-Penetration Studies of Glucose Oxidase into Phospholipid Monolayers at the 1,2-Dichloroethane/Water Interface. <i>ChemPhysChem</i> , 2007, 8, 1540-1547.	1.0	11
98	An Active Surface Preservation Strategy for the Rational Development of Carbon Dots as pH-Responsive Fluorescent Nanosensors. <i>Chemosensors</i> , 2021, 9, 191.	1.8	11
99	Specific adsorption of tetraalkylammonium cations on the 1,2-dichloroethane/water interface. <i>Electrochimica Acta</i> , 2004, 50, 135-139.	2.6	10
100	A molecular and multivariate approach to the microbial community of a commercial shallow raceway marine recirculation system operating with a Moving Bed Biofilter. <i>Aquaculture Research</i> , 2011, 42, 1308-1322.	0.9	10
101	Flash light synthesis of noble metal nanoparticles for electrochemical applications: silver, gold, and their alloys. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1781-1788.	1.2	10
102	Sustainable Preparation of Nanoporous Carbons via Dry Ball Milling: Electrochemical Studies Using Nanocarbon Composite Electrodes and a Deep Eutectic Solvent as Electrolyte. <i>Nanomaterials</i> , 2021, 11, 3258.	1.9	10
103	Electrodeposition of Mn and Mn-Sn Alloy Using Choline Chloride-Based Ionic Liquids. <i>Journal of the Electrochemical Society</i> , 2017, 164, D486-D492.	1.3	9
104	Molecularly imprinted polymers for enhanced impregnation and controlled release of l-tyrosine. <i>Reactive and Functional Polymers</i> , 2018, 131, 283-292.	2.0	9
105	Molecularly imprinted polymer as a synthetic antibody for the biorecognition of hazelnut Cor a 14-allergen. <i>Analytica Chimica Acta</i> , 2022, 1191, 339310.	2.6	9
106	Probing of the Voltammetric Features of Graphite Electrodes Modified with Mercaptoundecanoic Acid Stabilized Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2428-2435.	1.5	8
107	Insight on the effect of surface modification by carbon materials on the Ionic Liquid Electric Double Layer Charge Storage properties. <i>Electrochimica Acta</i> , 2015, 176, 880-886.	2.6	8
108	Protein imprinted materials designed with charged binding sites on screen-printed electrode for microalbumin determination in biological samples. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 846-852.	4.0	8

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109	Enhanced Properties of Co-Sn Coatings Electrodeposited from Choline Chloride-Based Deep Eutectic Solvents. <i>Crystal Growth and Design</i> , 2017, 17, 5208-5215.	1.4	8
110	Cationic imprinting of Pb(II) within composite networks based on bovine or fish chondroitin sulfate. <i>Journal of Molecular Recognition</i> , 2018, 31, e2614.	1.1	8
111	Electrodeposition of an ultrathin TiO ₂ coating using a deep eutectic solvent based on choline chloride. <i>Thin Solid Films</i> , 2018, 645, 391-398.	0.8	8
112	Electrochemical Behavior of a Mitochondria-Targeted Antioxidant at an Interface between Two Immiscible Electrolyte Solutions: An Alternative Approach to Study Lipophilicity. <i>Analytical Chemistry</i> , 2018, 90, 7989-7996.	3.2	8
113	Characterization of Carbon Nanomaterials Dispersions: Can Metal Decoration of MWCNTs Improve Their Physicochemical Properties?. <i>Nanomaterials</i> , 2022, 12, 99.	1.9	8
114	Development of Zn(II) sensors based on the assisted transfer of metal ions by hydrophobic ligands through gel-supported microinterfaces. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 369, 609-612.	1.5	7
115	Preparation and evaluation of Pb(II)-imprinted fucoidan-based sorbents. <i>Reactive and Functional Polymers</i> , 2017, 115, 53-62.	2.0	7
116	Electrodeposition of Sn and Sn Composites with Carbon Materials Using Choline Chloride-Based Ionic Liquids. <i>Coatings</i> , 2019, 9, 798.	1.2	7
117	Dissolved Carbon Dioxide Sensing Platform for Freshwater and Saline Water Applications: Characterization and Validation in Aquaculture Environments. <i>Sensors</i> , 2019, 19, 5513.	2.1	7
118	Ordering and Nonideality of Air-Ionic Liquid Interfaces in Surface Second Harmonic Generation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3954-3961.	1.2	7
119	Development of mesoporous polysaccharide/sol-gel composites with two different templating agents: Surfactants and choline chloride-based deep eutectic solvents. <i>EXPRESS Polymer Letters</i> , 2019, 13, 261-275.	1.1	7
120	Direct and continuous dissolved CO ₂ monitoring in shallow raceway systems: From laboratory to commercial-scale applications. <i>Aquacultural Engineering</i> , 2012, 49, 10-17.	1.4	6
121	Thiophene- and Carbazole-Substituted N-Methyl-Fulleropyrrolidine Acceptors in PffBT4T-2OD Based Solar Cells. <i>Materials</i> , 2020, 13, 1267.	1.3	6
122	Differential Refractometric Biosensor for Reliable Human IgG Detection: Proof of Concept. <i>Biosensors</i> , 2022, 12, 515.	2.3	6
123	Monitoring Bromophenol Blue Transfer Across Water/1,2-DCE Interface. <i>Electroanalysis</i> , 2002, 14, 935.	1.5	5
124	Hydrogen Bonding: A Bottom-Up Approach for the Synthesis of Films Composed of Gold Nanoparticles. <i>Journal of Nano Research</i> , 2008, 2, 115-128.	0.8	5
125	Electrochemical sensing and characterization of denatonium ion by ion transfer at polarized liquid/liquid interfaces. <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113860.	1.9	5
126	The critical role of the dispersant agents in the preparation and ecotoxicity of nanomaterial suspensions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19845-19857.	2.7	5

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127	Redox properties of the calcium chelator Fura-2 in mimetic biomembranes. <i>Cell Calcium</i> , 2008, 43, 615-621.	1.1	4
128	Characterization of a novel dissolved CO ₂ sensor for utilization in environmental monitoring and aquaculture industry. , 2013, , .		4
129	Cation- β -bioimprinted mesoporous polysaccharide/sol-gel composites prepared in media containing choline chloride-based deep eutectic solvents. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48842.	1.3	4
130	Enzymatic formation of ions and their detection at a three-phase electrode. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 469-474.	1.2	3
131	Naproxen-imprinted xerogels in the micro- and nanospherical forms by emulsion technique. <i>Journal of Chromatography A</i> , 2015, 1422, 43-52.	1.8	3
132	Acylation of naproxen as the surface-active template in the preparation of micro- and nanospherical imprinted xerogels by emulsion techniques. <i>Journal of Chromatography A</i> , 2016, 1437, 107-115.	1.8	3
133	Structure and noncovalent interactions in ionic liquids mixtures and deep eutectic solvents. , 2021, , 105-157.		3
134	New developments on fibre optic colorimetric sensors for dissolved CO ₂ in aquatic environments. , 2017, , .		2
135	PfBT4T-2OD Based Solar Cells with Aryl-Substituted N-Methyl-Fulleropyrrolidine Acceptors. <i>Materials</i> , 2019, 12, 4100.	1.3	2
136	Ion transfer electrochemistry of the alkaloids berberine and palmatine: Sensing and physicochemical characterization. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115506.	1.9	2
137	Hydrogen Bond Donors Influence on the Electrochemical Performance of Composite Graphene Electrodes/Deep Eutectic Solvents Interface. <i>Electrochem</i> , 2022, 3, 129-142.	1.7	2
138	5. Ionic liquids at electrified interfaces for advanced energy/charge storage applications. , 2019, , 101-128.		1
139	Dielectric Relaxation and Optical Transmittance of PVC Membranes Modified by Nematic Liquid Crystal. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2009, 58, 588-603.	1.8	0
140	Electrochemical Sensing of Catecholamines at the Water/ 1,6-Dichlorohexane Interface. <i>Electroanalysis</i> , 2013, 25, 2331-2338.	1.5	0
141	Linking R&D Activities with Teaching: Water Quality Monitoring in Aquaculture as a Remote Laboratory Proxy for Environmental Studies. <i>International Journal of Emerging Technologies in Learning</i> , 2011, 6, .	0.8	0
142	Colorimetry-based System for Gaseous Carbon Dioxide Detection. <i>U Porto Journal of Engineering</i> , 2020, 6, 59-69.	0.2	0
143	Nanostructured Tin-based Alloys Composites using Deep Eutectic Solvents as Electrolytes. <i>U Porto Journal of Engineering</i> , 2020, 6, 70-85.	0.2	0
144	Label-Free Anti-Human IgG Biosensor Based on Chemical Modification of a Long Period Fiber Grating Surface. , 2021, 5, .		0

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145	Electrostatic-Gated Kinetics of Rapid Ion Transfers at a Nano-liquid/Liquid Interface. Analytical Chemistry, 2022, 94, 9801-9810.	3.2	0