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List of Publications by Year in descending order

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85 papers	2,552 citations	136950 32 h-index	214800 47 g-index
85 all docs	85 docs citations	85 times ranked	2988 citing authors

#	Article	IF	Citations
1	Investigation of polycarbazoles thin films prepared by electrochemical oxidation of 3- and 9-substituted carbazoles. Progress in Organic Coatings, 2022, 162, 106563.	3.9	1
2	Flexible Sensors Based on Conductive Polymers. Chemosensors, 2022, 10, 97.	3.6	45
3	Electrodeposition and Characterization of Conducting Polymer Films Obtained from Carbazole and 2-(9H-carbazol-9-yl)acetic Acid. Electrochem, 2022, 3, 322-336.	3.3	0
4	Electrochemical Biosensing of Dopamine Neurotransmitter: A Review. Biosensors, 2021, 11, 179.	4.7	98
5	Development of new sticky and conducting polymer surfaces for MEMS applications. Synthetic Metals, 2021, 276, 116757.	3.9	5
6	Investigation of electrochemical oxidative coupling of 3 and 6 substituted carbazoles. Journal of Electroanalytical Chemistry, 2021, 894, 115356.	3.8	5
7	Fully-printed and silicon free self-powered electrochromic biosensors: Towards naked eye quantification. Sensors and Actuators B: Chemical, 2020, 306, 127535.	7.8	15
8	Conductive multilayer film based on composite materials made of conjugated polyelectrolytes and inorganic particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124290.	4.7	3
9	Electrochemical preparation and physicochemical study of polymers obtained from carbazole and N-((methoxycarbonyl)methyl)carbazole. Synthetic Metals, 2020, 270, 116584.	3.9	10
10	pH-Responsive PEG/PAA Multilayer Assemblies for Reversible Adhesion of Micro-Objects. ACS Applied Polymer Materials, 2020, 2, 5646-5653.	4.4	7
11	Electrochemical Biosensors Based on Conducting Polymers: A Review. Applied Sciences (Switzerland), 2020, 10, 6614.	2.5	91
12	Electrodeposited Copolymer Films with Tunable Conductivity. Electrochem, 2020, 1, 358-366.	3.3	0
13	Investigation of Polycarbazoles Thin Films Prepared by Electrochemical Oxidation of Synthesized Carbazole Derivatives. Frontiers in Materials, 2019, 6, .	2.4	17
14	Poly(allylamine) plasma polymer coatings for an efficient retention of Ni(II) ions by ultrafiltration membranes. Plasma Processes and Polymers, 2019, 16, 1800134.	3.0	8
15	A straightforward procedure for the synthesis of silica@polyaniline core-shell nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 573, 237-245.	4.7	21
16	Electrochromic biosensors based on screen-printed Prussian Blue electrodes. Sensors and Actuators B: Chemical, 2019, 290, 591-597.	7.8	46
17	Influence of pre-grafted pyrrole-based silane on the electrodeposition and chemical properties of polypyrrole films. Synthetic Metals, 2018, 246, 220-229.	3.9	7
18	Use of Modified Colloids and Membranes to Remove Metal Ions from Contaminated Solutions. Colloids and Interfaces, 2018, 2, 19.	2.1	9

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19	Flexible and conductive multilayer films based on the assembly of PEDOT:PSS and water soluble polythiophenes. Organic Electronics, 2017, 46, 263-269.	2.6	8
20	Synthesis and characterization of polyaniline-silica composites: Raspberry vs core-shell structures. Where do we stand?. Journal of Colloid and Interface Science, 2017, 502, 184-192.	9.4	24
21	Quantitative self-powered electrochromic biosensors. Chemical Science, 2017, 8, 1995-2002.	7.4	58
22	Preparation of polyelectrolyte-modified membranes for heavy metal ions removal. Environmental Technology (United Kingdom), 2017, 38, 2476-2485.	2.2	20
23	Use of sinusoidal voltages with fixed frequency in the preparation of tyrosinase based electrochemical biosensors for dopamine electroanalysis. Sensors and Actuators B: Chemical, 2017, 240, 801-809.	7.8	36
24	Electrodeposition Behavior, Physicochemical Properties and Corrosion Resistance of Niâ€“Co Coating Modified by Gelatin Additive. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 1059-1069.	1.1	6
25	Towards carboxylic acid-functionalized aniline monomers: Chemical synthesis, electropolymerization and characterization. Progress in Organic Coatings, 2016, 99, 429-436.	3.9	9
26	Elaboration and characterization of carboxylic acid-functionalized polypyrrole films. Synthetic Metals, 2016, 220, 247-254.	3.9	11
27	Investigation of pharmaceutically active ionic liquids as electrolyte for the electrosynthesis of polypyrrole and active component in controlled drug delivery. Electrochimica Acta, 2016, 211, 950-961.	5.2	21
28	Evaluation of Adhesion Forces for the Manipulation of Micro-Objects in Submerged Environment through Deposition of pH Responsive Polyelectrolyte Layers. Langmuir, 2016, 32, 102-111.	3.5	3
29	Elaboration of thin colloidal silica films with controlled thickness and wettability. Comptes Rendus Chimie, 2016, 19, 665-673.	0.5	3
30	Gas Sensors Based on Electrodeposited Polymers. Metals, 2015, 5, 1371-1386.	2.3	56
31	Self-assembly of polyelectrolytes for the removal of metal cations from aqueous solutions. Journal of Environmental Chemical Engineering, 2015, 3, 763-769.	6.7	6
32	Multi-analyte determination of dopamine and catechol at single-walled carbon nanotubes â€“ Conducting polymer â€“ Tyrosinase based electrochemical biosensors. Journal of Electroanalytical Chemistry, 2015, 744, 53-61.	3.8	53
33	Predictive tools for selection of appropriate polyelectrolyte multilayer film for the functionalization of organic membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 486, 153-160.	4.7	7
34	From the Solution Processing of Hydrophilic Molecules to Polymer-Phthalocyanine Hybrid Materials for Ammonia Sensing in High Humidity Atmospheres. Sensors, 2014, 14, 13476-13495.	3.8	15
35	Application of original assemblies of polyelectrolytes, urease and electrodeposited polyaniline as sensitive films of potentiometric urea biosensors. Electrochimica Acta, 2014, 148, 53-61.	5.2	32
36	Glow discharge optical emission spectroscopy: a complementary technique to analyze thin electrodeposited polyaniline films. Thin Solid Films, 2014, 550, 27-35.	1.8	12

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37	Full characterization of polypyrrole thin films electrosynthesized in room temperature ionic liquids, water or acetonitrile. Electrochimica Acta, 2014, 137, 298-310.	5.2	43
38	PEDOT-PSS based 2-in-1 step-by-step films: A refined study. Synthetic Metals, 2014, 194, 38-46.	3.9	6
39	Novel strategy to prepare polyanilineâ€"Modified SiO2/TiO2 composite particles. Synthetic Metals, 2013, 181, 104-109.	3.9	5
40	In situ electrodeposition of biocomposite materials by sinusoidal voltages on microelectrodes array for tyrosinase based amperometric biosensor development. Sensors and Actuators B: Chemical, 2013, 181, 136-143.	7.8	32
41	Elaboration of ammonia gas sensors based on electrodeposited polypyrroleâ€"Cobalt phthalocyanine hybrid films. Talanta, 2013, 117, 45-54.	5.5	37
42	Polyelectrolyte modification of ultrafiltration membrane for removal of copper ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 435, 170-177.	4.7	43
43	Development of Amperometric Biosensors Based on Nanostructured Tyrosinase-Conducting Polymer Composite Electrodes. Sensors, 2013, 13, 6759-6774.	3.8	51
44	Ammonia gas sensors based on polypyrrole films: Influence of electrodeposition parameters. Sensors and Actuators B: Chemical, 2012, 171-172, 431-439.	7.8	68
45	Electrosynthesis and characterization of polymer films on silicon substrates for applications in micromanipulation. Synthetic Metals, 2012, 162, 2370-2378.	3.9	11
46	Novel in situ electrochemical deposition of platinum nanoparticles by sinusoidal voltages on conducting polymer films. Synthetic Metals, 2012, 162, 193-198.	3.9	20
47	Microstructured electrodeposited polypyrroleâ€"phthalocyanine hybrid material, from morphology to ammonia sensing. Journal of Materials Chemistry, 2012, 22, 25246.	6.7	37
48	Adsorption of Ni(II) ions on colloidal hybrid organicâ€"inorganic silica composites. Colloids and Surfaces B: Biointerfaces, 2012, 93, 1-7.	5.0	34
49	Functionalization of organic membranes by polyelectrolyte multilayer assemblies: Application to the removal of copper ions from aqueous solutions. Journal of Colloid and Interface Science, 2012, 376, 202-208.	9.4	16
50	Elaboration and characterization of polyaniline films electrodeposited on tin oxides. Synthetic Metals, 2011, 161, 2162-2169.	3.9	38
51	Characterization of the surface properties of polypyrrole films: Influence of electrodeposition parameters. Synthetic Metals, 2011, 161, 2498-2505.	3.9	74
52	Morphological characterization and analytical application of poly(3,4-ethylenedioxythiophene)â€"Prussian blue composite films electrodeposited in situ on platinum electrode chips. Thin Solid Films, 2011, 519, 7754-7762.	1.8	20
53	Urea potentiometric enzymatic biosensor based on charged biopolymers and electrodeposited polyaniline. Biosensors and Bioelectronics, 2011, 26, 4139-4145.	10.1	88
54	Doping properties of PEDOT films electrosynthesized under high frequency ultrasound irradiation. Ultrasonics Sonochemistry, 2011, 18, 140-148.	8.2	39

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55	Charge properties of membranes modified by multilayer polyelectrolyte adsorption. Journal of Colloid and Interface Science, 2010, 344, 221-227.	9.4	28
56	Retention of Cu(II)â€“ and Ni(II)â€“polyaminocarboxylate complexes by ultrafiltration assisted with polyamines. Desalination, 2010, 258, 87-92.	8.2	54
57	Effects of polypyrrole modified electrode functionalization on potentiometric pH responses. Synthetic Metals, 2010, 160, 1073-1080.	3.9	22
58	Electrochemically deposited polyethyleneimine films and their characterization. Synthetic Metals, 2010, 160, 1359-1364.	3.9	18
59	Effect of various parameters on the conductivity of free standing electrosynthesized polypyrrole films. Synthetic Metals, 2010, 160, 2180-2185.	3.9	58
60	Morphological and adhesive properties of polypyrrole films synthesized by sonoelectrochemical technique. Synthetic Metals, 2010, 160, 2540-2545.	3.9	42
61	Characterization of an ultrafiltration membrane modified by sorption of branched polyethyleneimine. Desalination and Water Treatment, 2009, 1, 186-193.	1.0	6
62	Characterization of charge properties of an ultrafiltration membrane modified by surface grafting of poly(allylamine) hydrochloride. Journal of Colloid and Interface Science, 2009, 333, 335-340.	9.4	19
63	Ammonia gas sensor based on electrosynthesized polypyrrole films. Talanta, 2009, 78, 199-206.	5.5	142
64	Electrochemical polymerization of 1,2-ethanedithiol as a new way to synthesize polyethylenedisulfide. Polymer, 2008, 49, 1743-1747.	3.8	1
65	Effect of electrolyte solvent on the morphology of polypyrrole films: Application to the use of polypyrrole in pH sensors. Synthetic Metals, 2008, 158, 453-461.	3.9	97
66	In vitro induction of differentiation by retinoic acid in an immortalized olfactory neuronal cell line. Acta Histochemica, 2007, 109, 111-121.	1.8	5
67	Synthesis of polymer materials for use as cell culture substrates. Electrochimica Acta, 2007, 53, 1114-1126.	5.2	20
68	Development of miniaturized pH biosensors based on electrosynthesized polymer films. Analytica Chimica Acta, 2007, 597, 313-321.	5.4	29
69	Potentiometric miniaturized pH sensors based on polypyrrole films. Sensors and Actuators B: Chemical, 2007, 122, 101-108.	7.8	87
70	Potentiometric pH sensors based on electrodeposited polymers. Polymer, 2005, 46, 12233-12239.	3.8	65
71	Fabrication of a miniaturized cell using microsystem technologies for electrochemical applications. Electrochimica Acta, 2005, 50, 1863-1869.	5.2	9
72	Elaboration of Transparent Polymeric Films Trapping Copper Ions by Complexation. Journal of the Electrochemical Society, 2004, 151, C245.	2.9	1

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73	Ab initio study of the electronic and structural properties of the crystalline polyethyleneimine polymer. Journal of Chemical Physics, 2004, 120, 9376-9382.	3.0	26
74	Urea potentiometric biosensor based on modified electrodes with urease immobilized on polyethylenimine films. Biosensors and Bioelectronics, 2004, 19, 1641-1647.	10.1	129
75	Miniaturized pH biosensors based on electrochemically modified electrodes with biocompatible polymers. Biosensors and Bioelectronics, 2004, 19, 595-606.	10.1	52
76	Ab initio study of amino acids containing hydroxy groups (serine, threonine and tyrosine). Computational and Theoretical Chemistry, 2004, 681, 183-189.	1.5	33
77	Theoretical study of the vibrational spectra of polyethylenimine and polypropylenimine. Computational and Theoretical Chemistry, 2004, 685, 83-87.	1.5	28
78	Ab initio study of the polymerization mechanism of poly(p-phenylenediamine). Computational and Theoretical Chemistry, 2003, 638, 177-187.	1.5	38
79	Combined elastic neutron scattering experiments and molecular dynamics simulations on the concentrated liquid electrolyte NaIÃ·3.3NH3. Journal of Molecular Liquids, 2003, 108, 1-19.	4.9	4
80	Ab initio and DFT study of aliphatic diamines. Computational and Theoretical Chemistry, 2002, 584, 15-36.	1.5	13
81	Ab initio study of the electrochemical polymerization mechanism leading from DETA to PEI. Computational and Theoretical Chemistry, 2002, 593, 133-141.	1.5	9
82	Surface modification of p-Si by a polyethylenimine coating: influence of the surface pre-treatment. Application to a potentiometric transducer as pH sensor. Electrochimica Acta, 2002, 47, 2597-2602.	5.2	25
83	pH Sensing at Pt Electrode Surfaces Coated with Linear Polyethylenimine from Anodic Polymerization of Ethylenediamine. Journal of the Electrochemical Society, 2001, 148, E435.	2.9	37
84	Ab initio study of the electrochemical polymerization mechanism of Ï‰â€“diamines. Journal of Chemical Physics, 2001, 115, 7219-7226.	3.0	19
85	Chemical and biological sensors based on modified electrodes with electropolymerized diamines. , 2001, , 561-571.		6