Wlodzinierz Kutner

List of Publications by Year
in descending order

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179 papers	7,076 citations	61945 43 h-index	71651 76 g-index
196 all docs	196 docs citations	196 times ranked	6221 citing authors

#	Article	IF	Citations
1	Electrochemically synthesized polymers in molecular imprinting for chemical sensing. Analytical and Bioanalytical Chemistry, 2012, 402, 3177-3204.	1.9	372
2	Electrocatalytic Properties and Sensor Applications of Fullerenes and Carbon Nanotubes. Electroanalysis, 2003, 15, 753-772.	1.5	357
3	Microelectrodes. Definitions, characterization, and applications (Technical report). Pure and Applied Chemistry, 2000, 72, 1483-92.	0.9	323
4	Electroreduction of Buckminsterfullerene, C60, in aprotic solvents. Solvent, supporting electrolyte, and temperature effects. The Journal of Physical Chemistry, 1992, 96, 7137-7145.	2.9	254
5	Artificial Biosensors: How Can Molecular Imprinting Mimic Biorecognition?. Trends in Biotechnology, 2016, 34, 922-941.	4.9	181
6	Redox conduction in single and bilayer films of redox polymer. Journal of the American Chemical Society, 1984, 106, 1991-1998.	6.6	170
7	Imprinted polymer-based enantioselective acoustic sensor using a quartz crystal microbalance. Analytical Communications, 1999, 36, 391.	2.2	140
8	Nanostructured molecularly imprinted polymers for protein chemosensing. Biosensors and Bioelectronics, 2018, 102, 17-26.	5.3	140
9	Selective electrosynthesis of dimethylfullerene [(CH3)2C60]: a novel method for the controlled functionalization of fullerenes. Journal of the American Chemical Society, 1993, 115, 8505-8506.	6.6	131
10	Selective electrochemical sensing of human serum albumin by semi-covalent molecular imprinting. Biosensors and Bioelectronics, 2015, 74, 960-966.	5.3	129
11	Analytical aspects of chemically modified electrodes: Classification, critical evaluation and recommendations (IUPAC Recommendations 1998). Pure and Applied Chemistry, 1998, 70, 1301-1318.	0.9	128
12	Selective Histamine Piezoelectric Chemosensor Using a Recognition Film of the Molecularly Imprinted Polymer of Bis(bithiophene) Derivatives. Analytical Chemistry, 2009, 81, 2633-2643.	3.2	120
13	Functionalized polythiophenes: Recognition materials for chemosensors and biosensors of superior sensitivity, selectivity, and detectability. Progress in Polymer Science, 2015, 47, 1-25.	11.8	118
14	Bucky(basket)ball: Stabilization of Electrogenerated C60.bul.- Radical Monoanion in Water by Means of Cyclodextrin Inclusion Chemistry. The Journal of Physical Chemistry, 1994, 98, 1282-1287.	2.9	113
15	Melamine Acoustic Chemosensor Based on Molecularly Imprinted Polymer Film. Analytical Chemistry, 2009, 81, 10061-10070.	3.2	110
16	Molecularly imprinted polymers for separating and sensing of macromolecular compounds and microorganisms. Biotechnology Advances, 2016, 34, 30-46.	6.0	100
17	Water solubilization, determination of the number of different types of single-wall carbon nanotubes and their partial separation with respect to diameters by complexation with Î-cyclodextrin. Chemical Communications, 2003, , 986-987.	2.2	98
18	Molecular imprinting for selective chemical sensing of hazardous compounds and drugs of abuse. TrAC - Trends in Analytical Chemistry, 2012, 34, 59-77.	5.8	95

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19	Surface development of molecularly imprinted polymer films to enhance sensing signals. TrAC - Trends in Analytical Chemistry, 2013, 51, 146-157.	5.8	88
20	Simultaneous cyclic voltammetry and electrochemical quartz crystal microbalance studies of buckminsterfullerene (C60) film electrodeposition and tetra-n-butylammonium electrodoping in acetonitrile. The Journal of Physical Chemistry, 1992, 96, 4163-4165.	2.9	87
21	Molecularly imprinted polymer (MIP) based piezoelectric microgravimetry chemosensor for selective determination of adenine. Biosensors and Bioelectronics, 2010, 25, 2522-2529.	5.3	84
22	Potentialâ€Driven Chirality Manifestations and Impressive Enantioselectivity by Inherently Chiral Electroactive Organic Films. Angewandte Chemie - International Edition, 2014, 53, 2623-2627.	7.2	84
23	Bioinspired intelligent molecularly imprinted polymers for chemosensing: A mini review. Electrochemistry Communications, 2015, 50, 81-87.	2.3	83
24	Piezoelectric chemical sensors (IUPAC Technical Report). Pure and Applied Chemistry, 2004, 76, 1139-1160.	0.9	78
25	Inherently chiral electrodes: the tool for chiral voltammetry. Chemical Science, 2015, 6, 1706-1711.	3.7	76
26	Electrochemical detection in liquid flow analytical techniques: Characterization and classification (IUPAC Technical Report). Pure and Applied Chemistry, 2004, 76, 1119-1138.	0.9	67
27	â€˜Gate effectâ€™ in molecularly imprinted polymers: the current state of understanding. Current Opinion in Electrochemistry, 2019, 16, 50-56.	2.5	66
28	Molecularly imprinted poly[bis(2,2â€²-bithienyl)methane] film with built-in molecular recognition sites for a piezoelectric microgravimetry chemosensor for selective determination of dopamine. Bioelectrochemistry, 2010, 80, 62-72.	2.4	63
29	Electrosynthesis and electrodoping of fullerene C60n- (n = 0, 1, 2, or 3) films: electrochemical quartz crystal microbalance study in acetonitrile solutions of alkali-metal, alkaline-earth-metal, and tetra-n-butylammonium cations. The Journal of Physical Chemistry, 1993, 97, 6871-6879.	2.9	62
30	An improved holder for the electrochemical quartz crystal microbalance and its cyclic voltammetry characteristics. Electroanalysis, 1993, 5, 209-214.	1.5	58
31	Molecularly imprinted polymers as recognition materials for electronic tongues. Biosensors and Bioelectronics, 2015, 74, 856-864.	5.3	57
32	Chemosensors Based on Molecularly Imprinted Polymers. Topics in Current Chemistry, 2010, 325, 165-265.	4.0	55
33	Molecularly Imprinted Polymer for Recognition of 5-Fluorouracil by RNA-type Nucleobase Pairing. Analytical Chemistry, 2013, 85, 8304-8312.	3.2	55
34	In situ ESR spectroscopic evidence of the spin-trapped superoxide radical, O2â•, electrochemically generated in DMSO at room temperature. Electrochimica Acta, 2008, 53, 3412-3415.	2.6	51
35	Direct determination of small RNAs using a biotinylated polythiophene impedimetric genosensor. Biosensors and Bioelectronics, 2017, 87, 1012-1019.	5.3	51
36	Supramolecular Donorâ•Acceptor Hybrid of Electropolymerized Zinc Porphyrin with Axially Coordinated Fullerene: Formation, Characterization, and Photoelectrochemical Properties. Journal of Physical Chemistry C, 2009, 113, 8982-8989.	1.5	49

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37	Evolution of Molecular Design of Porphyrin Chromophores for Photovoltaic Materials of Superior Lightâ€toâ€Electricity Conversion Efficiency. Solar Rrl, 2017, 1, 1600002.	3.1	48
38	Simultaneous Chronoamperometry and Piezoelectric Microgravimetry Determination of Nitroaromatic Explosives Using Molecularly Imprinted Thiophene Polymers. Analytical Chemistry, 2013, 85, 8361-8368.	3.2	47
39	Hierarchical templating in deposition of semi-covalently imprinted inverse opal polythiophene film for femtomolar determination of human serum albumin. Biosensors and Bioelectronics, 2017, 94, 155-161.	5.3	47
40	Molecularly imprinted polymer based extended-gate field-effect transistor chemosensors for phenylalanine enantioselective sensing. Journal of Materials Chemistry C, 2017, 5, 969-977.	2.7	46
41	Instability of the oxidation catalysts ([(bpy)2(py)Ru(O)]2+) and oxo(1,10-phenanthroline)(2,2',2"-terpyridine) ruthenium(2+) ([(trpy)(phen)Ru(O)]2+) in basic solution. Inorganic Chemistry, 1985, 24, 3784-3791.	1.9	45
42	Langmuirâ^'Blodgett Films of a Cationic Zinc Porphyrinâ^'Imidazole-Functionalized Fullerene Dyad:Â Formation and Photoelectrochemical Studies. Langmuir, 2007, 23, 1917-1923.	1.6	45
43	Molecular recognition of adenine, adenosine and ATP at the airâ€“water interface by a uracil appended fullerene. Journal of Materials Chemistry, 2002, 12, 2123-2129.	6.7	44
44	Mechanistic studies of the electrochemical polymerization of C60 in the presence of dioxygen or C60O. Journal of Materials Chemistry, 2005, 15, 1468.	6.7	44
45	Molecularly imprinted polymer of bis(2,2â€²-bithienyl)methanes for selective determination of adrenaline. Bioelectrochemistry, 2013, 93, 37-45.	2.4	44
46	Simultaneous cyclic voltammetry and electrochemical quartz-crystal microbalance study at polymer film-modified electrodes of molecular inclusion of ferrocene by Î²-cyclodextrin polymer and carboxymethylated Î²-cyclodextrin polymer as well as ferrocenecarboxylic acid by Î²-cyclodextrin polymer. Journal of Electroanalytical Chemistry, 1992, 326, 139-160.	1.9	43
47	Stability and electrocatalytic activity of the oxo-bridged dimer [(bpy)2(H2O)RuORu(OH2)(bpy)2]4+ in basic solutions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 205, 185-207.	0.3	42
48	Structure Determination and Electrochemistry of Products from the Radical Reaction of C60with Azo(bisisobutyronitrile). Journal of Organic Chemistry, 1999, 64, 6257-6262.	1.7	42
49	Potentiometric chemosensor for neopterin, a cancer biomarker, using an electrochemically synthesized molecularly imprinted polymer as the recognition unit. Biosensors and Bioelectronics, 2016, 77, 565-572.	5.3	42
50	Composites of Conducting Polymers and Various Carbon Nanostructures for Electrochemical Supercapacitors. ECS Journal of Solid State Science and Technology, 2013, 2, M3120-M3134.	0.9	41
51	Cytosine derivatized bis(2,2â€²-bithienyl)methane molecularly imprinted polymer for selective recognition of 6-thioguanine, an antitumor drug. Biosensors and Bioelectronics, 2015, 70, 153-160.	5.3	41
52	Electrochemical sensors using screen-printed carbon electrode assemblies modified with the Î²-cyclodextrin or carboxymethylated Î²-cyclodextrin polymer films for determination of tricyclic antidepressive drugs. Analytica Chimica Acta, 2001, 447, 47-54.	2.6	40
53	Electrochemically formed fullerene-based polymeric films. Journal of Solid State Electrochemistry, 2006, 10, 761-784.	1.2	40
54	Early diagnosis of fungal infections using piezomicrogravimetric and electric chemosensors based on polymers molecularly imprinted with d-arabitol. Biosensors and Bioelectronics, 2016, 79, 627-635.	5.3	40

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55	Electrochemical and electrocatalytic reactions of a ruthenium oxo complex in solution and in cation exchange beads in carbon paste electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 195, 375-394.	0.3	39
56	Synthesis and application of a â€œplastic antibodyâ€•in electrochemical microfluidic platform for oxytocin determination. Biosensors and Bioelectronics, 2018, 100, 251-258.	5.3	39
57	Study of Redox Active C[sub 60]/Pd Films by Simultaneous Cyclic Voltammetry and Piezoelectric Microgravimetry at an Electrochemical Quartz Crystal Microbalance. Journal of the Electrochemical Society, 2000, 147, 2597.	1.3	38
58	Alternating voltage polarographic detection for high-performance liquid chromatography and its evaluation for the analysis of bile acids. Journal of Chromatography A, 1981, 204, 131-134.	1.8	37
59	Acidâ^'Base Properties of Fulleropyrrolidines:Â Experimental and Theoretical Investigations. Journal of Physical Chemistry A, 2000, 104, 6887-6893.	1.1	36
60	Structure and properties of C60â€“Pd films formed by electroreduction of C60 and palladium(ii) acetate trimer: evidence for the presence of palladium nanoparticles. Journal of Materials Chemistry, 2003, 13, 518-525.	6.7	36
61	Electrochemically synthesized molecularly imprinted polymer of thiophene derivatives for flow-injection analysis determination of adenosine-5â€²-triphosphate (ATP). Biosensors and Bioelectronics, 2013, 41, 634-641.	5.3	36
62	Chemosensor for Selective Determination of 2,4,6-Trinitrophenol Using a Custom Designed Imprinted Polymer Recognition Unit Cross-Linked to a Fluorophore Transducer. ACS Sensors, 2016, 1, 636-639.	4.0	36
63	Formation and electrochemical properties of composites of the C60â€“Pd polymer and multi-wall carbon nanotubes. Electrochimica Acta, 2009, 54, 5621-5628.	2.6	35
64	Facile Preparation of the â€‰Câ€‰60 Monoanion in Aprotic Solvents. Journal of the Electrochemical Society, 1993, 140, L130-L132.	1.3	34
65	Electrocatalytic Reduction of Î±,ï‰-Diiodoalkanes I(CH2)mI (m= 1â^'8) by C60n-(n= 1â^'3) Anions in Solution and at the C60Film-Modified Electrodes. Journal of Physical Chemistry B, 1998, 102, 212-217.	1.2	32
66	Immobilization and electrochemical redox behavior of cytochrome c on fullerene film-modified electrodes. Bioelectrochemistry, 2005, 66, 35-40.	2.4	32
67	Fullerene derived molecularly imprinted polymer for chemosensing of adenosine-5â€²-triphosphate (ATP). Analytica Chimica Acta, 2014, 844, 61-69.	2.6	32
68	Conductive, Capacitive, and Viscoelastic Properties of a New Composite of the C₆₀â^'Pd Conducting Polymer and Single-Wall Carbon Nanotubes. Journal of Physical Chemistry B, 2009, 113, 6682-6691.	1.2	30
69	Design and Performance of a New Thin-Layer Radial-Flow Holder for a Quartz Crystal Resonator of an Electrochemical Quartz Crystal Microbalance. Electroanalysis, 2006, 18, 2168-2173.	1.5	29
70	An effective multipurpose building block for 3D electropolymerisation: 2,2â€²-Bis(2,2â€²-bithiophene-5-yl)-3,3â€²-bithianaphthene. Electrochimica Acta, 2010, 55, 8352-8364.	2.6	29
71	Electrochemical determination of fumonisin B1 using a chemosensor with a recognition unit comprising molecularly imprinted polymer nanoparticles. Sensors and Actuators B: Chemical, 2020, 321, 128552.	4.0	29
72	Behavior of Polymeric Sulfur Nitride, â€‰(â€‰â€‰SNâ€‰â€‰)â€‰ x , Electrodes in Aqueous Media. Journal of the Electrochemical Society, 1978, 125, 232-240.	1.3	28

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73	Polarographic detection for high-performance liquid chromatography using a flow-through detector. Journal of Chromatography A, 1980, 191, 47-60.	1.8	28
74	Electrochemical and spectroelectrochemical characterization of (5,10,15,20-tetrakis(1-methyl-4-pyridyl)porphinato)manganese(III) chloride, [(TMpyP)MnIIICl]4+(Cl-)4, in N,N-dimethylformamide. Inorganic Chemistry, 1993, 32, 438-444.	1.9	28
75	Condensation Î±-cyclodextrin polymer membrane with covalently immobilized glucose oxidase and molecularly included mediator for amperometric glucose biosensor. Electroanalysis, 1994, 6, 934-944.	1.5	28
76	â€œGate Effectâ€•in p-Synephrine Electrochemical Sensing with a Molecularly Imprinted Polymer and Redox Probes. Analytical Chemistry, 2019, 91, 7546-7553.	3.2	28
77	Synthesis and redox properties of a bipyridyl analog of ruthenium red. Inorganic Chemistry, 1986, 25, 2015-2023.	1.9	27
78	Electroreduction of buckminsterfullerene (C60) in aprotic solvents.. Journal of Electroanalytical Chemistry, 1993, 356, 93-107.	1.9	27
79	Electrochemically aided solid phase microextraction: conducting polymer film material applicable for cationic analytes. Journal of Solid State Electrochemistry, 2002, 6, 494-497.	1.2	27
80	A simple one-step electrosynthesis of poly(pyrrole-sulfated Î²-cyclodextrin) films. Journal of Solid State Electrochemistry, 2002, 6, 391-395.	1.2	27
81	Nicotine molecularly imprinted polymer: Synergy of coordination and hydrogen bonding. Biosensors and Bioelectronics, 2015, 64, 657-663.	5.3	27
82	Selective PQQPFPQQ Gluten Epitope Chemical Sensor with a Molecularly Imprinted Polymer Recognition Unit and an Extended-Gate Field-Effect Transistor Transduction Unit. Analytical Chemistry, 2019, 91, 4537-4543.	3.2	27
83	Molecularly imprinted polymer-based extended-gate field-effect transistor (EG-FET) chemosensor for selective determination of matrix metalloproteinase-1 (MMP-1) protein. Biosensors and Bioelectronics, 2022, 208, 114203.	5.3	27
84	Flow characteristics of a versatile wall-jet or radial-flow thin-layer large-volume cell for electrochemical detection in flow-through analytical systems. Electroanalysis, 1997, 9, 32-39.	1.5	26
85	Size-Dependent Interaction of Amyloid Î² Oligomers with Brain Total Lipid Extract Bilayerâ€”Fibrillation Versus Membrane Destruction. Langmuir, 2019, 35, 11940-11949.	1.6	26
86	Electrochemical sensor for selective tyramine determination, amplified by a molecularly imprinted polymer film. Bioelectrochemistry, 2021, 138, 107695.	2.4	26
87	Catalytic Reduction of Î±,Ï‰-Dihaloalkanes, X(CH2)mX (X = Cl, Br, or I andm= 2â^'8), by Electrochemically Generated C70n-(n= 2 or 3) in Benzonitrile Solutions. Journal of Physical Chemistry B, 1998, 102, 4247-4252.	1.2	25
88	Inherently Chiral Spiderâ€Like Oligothiophenes. Chemistry - A European Journal, 2016, 22, 10839-10847.	1.7	25
89	Programmed Transfer of Sequence Information into a Molecularly Imprinted Polymer for Hexakis(2,2â€²-bithien-5-yl) DNA Analogue Formation toward Single-Nucleotide-Polymorphism Detection. ACS Applied Materials & Interfaces, 2017, 9, 3948-3958.	4.0	25
90	Oligonucleotide Determination via Peptide Nucleic Acid Macromolecular Imprinting in an Electropolymerized CG-Rich Artificial Oligomer Analogue. ACS Applied Materials & Interfaces, 2018, 10, 27562-27569.	4.0	25

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91	Î²-Cyclodextrin cation exchange polymer membrane for improved second-generation glucose biosensors. Analytica Chimica Acta, 1995, 306, 201-208.	2.6	24
92	Structure-reactivity requirements with respect to nickel-salen based polymers for enhanced electrochemical stability. Electrochimica Acta, 2019, 315, 75-83.	2.6	24
93	Inclusion of the regioisomeric nitrobenzene derivatives and ferrocene guests by ?-cyclodextrin polymer and their transport through the polymer matrix. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1991, 10, 79-96.	1.6	23
94	Î²-cyclodextrin and carboxymethylated Î²-cyclodextrin polymer film modified electrodes, hosting cobalt porphyrins, as sensors for electrocatalytic determination of oxygen dissolved in solution. Electroanalysis, 1997, 9, 1093-1101.	1.5	23
95	Composition, Structure, Surface Topography, and Electrochemical Properties of Electrophoretically Deposited Nanostructured Fullerene Filmsâ€. Chemistry of Materials, 2005, 17, 5635-5645.	3.2	23
96	Spectroelectrochemical Approaches to Mechanistic Aspects of Charge Transport in meso-Nickel(II) Schiff Base Electrochromic Polymer. Journal of Physical Chemistry C, 2017, 121, 16710-16720.	1.5	23
97	Preparation and properties of insoluble films of cyclodextrin condensation polymers. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1992, 13, 257-265.	1.6	22
98	Electrochemistry of Solutions as well as Simultaneous Cyclic Voltammetry and Piezoelectric Microgravimetry of Conducting Films of 2-(n-Alkyl)fulleropyrrolidines. Journal of the Electrochemical Society, 2000, 147, 2647.	1.3	22
99	Electrocatalytic Dehalogenation of 1,2-Dihaloethanes by the C60, C70, C76, C78, and C84Fullerene Anions:Â Structureâ"Reactivity Aspects. Journal of Physical Chemistry B, 1999, 103, 2892-2896.	1.2	21
100	Charge mediation by ruthenium poly(pyridine) complexes in 'second-generation' glucose biosensors based on carboxymethylated Î²-cyclodextrin polymer membranes. Analytical and Bioanalytical Chemistry, 2002, 373, 724-734.	1.9	21
101	An electropolymerized molecularly imprinted polymer for selective carnosine sensing with impedimetric capacity. Journal of Materials Chemistry B, 2016, 4, 1156-1165.	2.9	21
102	Electroreduction of â€‰Câ€‰60 in Aprotic Solvents: III. Voltammetric Study, at Microelectrode, of (n = 0 to 4) Solvation in the Absence of Supporting Electrolyte. Journal of the Electrochemical Society, 1996, 143, 550-556.	1.3	20
103	Self-reporting molecularly imprinted polymer with the covalently immobilized ferrocene redox probe for selective electrochemical sensing of p-synephrine. Sensors and Actuators B: Chemical, 2021, 344, 130276.	4.0	19
104	Amyloid Î² interaction with model cell membranes â€" What are the toxicity-defining properties of amyloid Î²?. International Journal of Biological Macromolecules, 2022, 200, 520-531.	3.6	19
105	Volta-potential and electrochemical quartz crystal microbalance studies of the ion-exchange membrane properties of the (Î±-cyclodextrin polymer film)/(4-nitrophenol/ 4-nitrophenolate) inclusion system. Electrochimica Acta, 1992, 37, 1109-1117.	2.6	18
106	Derivatization of fullerenes by electrosynthesis. Synthetic Metals, 1996, 77, 73-76.	2.1	18
107	Nicotine, Cotinine, and Myosmine Determination Using Polymer Films of Tailor-Designed Zinc Porphyrins as Recognition Units for Piezoelectric Microgravimetry Chemosensors. Analytical Chemistry, 2012, 84, 2154-2163.	3.2	18
108	A redox conducting polymer of a meso-Ni(II)-SaldMe monomer and its application for a multi-composite supercapacitor. Electrochimica Acta, 2018, 268, 111-120.	2.6	18

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109	Amperometric and fast scan-rate cyclic voltammetry detection at a microelectrode for gel permeation high-performance liquid chromatography of fullerenes. Analytical Chemistry, 1993, 65, 669-672.	3.2	17
110	Mechanism of Reductive C₆₀ Electropolymerization in the Presence of Dioxygen and Application of the Resulting Fullerene Polymer for Preparation of a Conducting Composite with Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 8150-8160.	1.5	17
111	Piezomicrogravimetric and Impedimetric Oligonucleotide Biosensors Using Conducting Polymers of Biotinylated Bis(2,2â€²-bithien-5-yl)methane as Recognition Units. Analytical Chemistry, 2013, 85, 7454-7461.	3.2	17
112	Alzheimer's disease-related amyloid Î² peptide causes structural disordering of lipids and changes the electric properties of a floating bilayer lipid membrane. Nanoscale Advances, 2020, 2, 3467-3480.	2.2	17
113	An electron spin resonance (ESR) and simultaneous electrochemical and electron spin resonance (SEESR) spectroscopic study of motion, stability and potential controlled release of radical guests from the Î²-cyclodextrin inclusion polymer. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 300, 129-146.	0.3	16
114	Molecularly Imprinted Polymer Chemosensor for Selective Determination of an Nâ€Nitrosoâ€<scp>l</scp>â€proline Food Toxin. Chemistry - A European Journal, 2017, 23, 1942-1949.	1.7	16
115	Protein Determination with Molecularly Imprinted Polymer Recognition Combined with Birefringence Liquid Crystal Detection. Sensors, 2020, 20, 4692.	2.1	16
116	Electrode reactions of nickel(II) at mercury electrodes in aqueous solutions of azides. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1974, 51, 363-376.	0.3	15
117	Extra-column effects in polarographic versus UV detection in high-performance liquid chromatography. Journal of Chromatography A, 1981, 218, 45-50.	1.8	15
118	A carbon molecular-sieve paste electrode modified with the ruthenium oxo-bridged dimer (bpy)2(H2O)RuORu(OH2)(bpy)24+ for electrocat. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 259, 99-111.	0.3	15
119	Preparation and selected properties of a composite of the C₆₀â€Pd conducting polymer and singleâ€wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2292-2295.	0.7	15
120	Low-oxidation-potential thiophene-carbazole monomers for electro-oxidative molecular imprinting: Selective chemosensing of aripiprazole. Biosensors and Bioelectronics, 2020, 169, 112589.	5.3	15
121	Preparation and Selected Properties of an Improved Composite of the Electrophoretically Deposited Single-Wall Carbon Nanotubes, Electrochemically Coated with a C₆₀-Pd and Polybithiophene Mixed Polymer Film. Journal of Physical Chemistry C, 2009, 113, 14046-14058.	1.5	14
122	Inhibition of Amyloid Î²-Induced Lipid Membrane Permeation andÂAmyloid Î² Aggregation by K162. ACS Chemical Neuroscience, 2021, 12, 531-541.	1.7	14
123	Graphene and Graphene Oxide Materials for Chemo- and Biosensing of Chemical and Biochemical Hazards. Topics in Current Chemistry, 2013, 348, 237-265.	4.0	13
124	Langmuirâ€“Blodgett Films of Self-Assembled (Alkylether-Derivatized Zn) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (Phthalocyanine) for Photoelectrochemical Studies. ACS Applied Materials & Interfaces, 2014, 6, 8688-8701.	4.0	13
125	Molecularly imprinted polymer nanoparticles-based electrochemical chemosensors for selective determination of cilostazol and its pharmacologically active primary metabolite in human plasma. Biosensors and Bioelectronics, 2021, 193, 113542.	5.3	13
126	New sensor for dissolved dioxygen: a gold electrode modified with a condensation polymer film of Î²-cyclodextrin hosting cobalt tetraphenylporphyrin. Chemical Communications, 1997, , 1191-1192.	2.2	12

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127	â€œTwo-Pointâ€•Assembling of Zn(II) and Co(II) Metalloporphyrins Derivatized with a Crown Ether Substituent in Langmuir and Langmuirâ€“Blodgett Films. Langmuir, 2007, 23, 2555-2568.	1.6	12
128	Surface enhancement of a molecularly imprinted polymer film using sacrificial silica beads for increasing<scp>l</scp>-arabitol chemosensor sensitivity and detectability. Journal of Materials Chemistry B, 2017, 5, 6292-6299.	2.9	12
129	Molecularly imprinted polymer as a synthetic receptor mimic for capacitive impedimetric selective recognition of Escherichia coli K-12. Analytica Chimica Acta, 2021, 1188, 339177.	2.6	12
130	A Versatile Material for a Symmetrical Electric Energy Storage Device: A Composite of the Polymer of the Ferrocene Adduct of C₆₀ and Single-Wall Carbon Nanotubes Exhibiting Redox Conductivity at Both Positive and Negative Potentials. Journal of Physical Chemistry C, 2013, 117, 1995-2007.	1.5	11
131	The Polythiazyl, â€‰(â€‰â€‰SNâ€‰â€‰)â€‰ x , Electrode: Surface Modification with Metal Cations. Journal of the Electrochemical Society, 1981, 128, 1927-1931.	1.3	10
132	Simultaneous photoelectrochemistry and piezoelectric microgravimetry, with the use of electrochemical quartz crystal microbalance, of surface layers formed at the Cu/Cu(II), Î²-alanine interface. Electrochimica Acta, 1997, 42, 2935-2941.	2.6	10
133	Detection of cholanoic acids in high-performance liquid chromatography based on effects of double layer capacity changes at the dropping mercury electrode. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1982, 312, 121-125.	0.7	9
134	Electrokinetic Detection in Reversed Phase High Performance Liquid Chromatography Part I. Volatile Fatty Acids. Journal of Liquid Chromatography and Related Technologies, 1983, 6, 1823-1835.	0.9	9
135	Metalloporphyrins in Solar Energy Conversion. , 2016, , 171-262.		9
136	Oligonucleotide Analogs and Mimics for Sensing Macromolecular Biocompounds. Trends in Biotechnology, 2019, 37, 1051-1062.	4.9	9
137	High electrochemical stability of meso-Ni-salen based conducting polymer manifested by potential-driven reversible changes in viscoelastic and nanomechanical properties. Electrochimica Acta, 2019, 297, 94-100.	2.6	9
138	Polymeric sulphur nitride electrode: an example of electrocatalysis by surface chemical modification. Journal of the Chemical Society Chemical Communications, 1978, , 244.	2.0	8
139	Evaluation of a flow-through polarographic detector for the determination of redox compounds in high-performance liquid chromatography. Journal of Chromatography A, 1982, 241, 141-146.	1.8	8
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