

Krzysztof Noworyta

List of Publications by Year in descending order

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66
papers

1,645
citations

257101

24
h-index

301761

39
g-index

69
all docs

69
docs citations

69
times ranked

1878
citing authors

#	ARTICLE	IF	CITATIONS
1	Imprinted polymer-based enantioselective acoustic sensor using a quartz crystal microbalance. <i>Analytical Communications</i> , 1999, 36, 391.	2.2	140
2	Selective electrochemical sensing of human serum albumin by semi-covalent molecular imprinting. <i>Biosensors and Bioelectronics</i> , 2015, 74, 960-966.	5.3	129
3	Molecularly imprinted polymers for separating and sensing of macromolecular compounds and microorganisms. <i>Biotechnology Advances</i> , 2016, 34, 30-46.	6.0	100
4	Inherently chiral electrodes: the tool for chiral voltammetry. <i>Chemical Science</i> , 2015, 6, 1706-1711.	3.7	76
5	Spectral Photoresponses of Carbon-Doped TiO ₂ Film Electrodes. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, E31.	2.2	72
6	Gate effect™ in molecularly imprinted polymers: the current state of understanding. <i>Current Opinion in Electrochemistry</i> , 2019, 16, 50-56.	2.5	66
7	Molecularly Imprinted Polymer (MIP) Film with Improved Surface Area Developed by Using Metal-Organic Framework (MOF) for Sensitive Lipocalin (NGAL) Determination. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19860-19865.	4.0	61
8	Hierarchical templating in deposition of semi-covalently imprinted inverse opal polythiophene film for femtomolar determination of human serum albumin. <i>Biosensors and Bioelectronics</i> , 2017, 94, 155-161.	5.3	47
9	Molecularly imprinted polymer based extended-gate field-effect transistor chemosensors for phenylalanine enantioselective sensing. <i>Journal of Materials Chemistry C</i> , 2017, 5, 969-977.	2.7	46
10	Molecular recognition of adenine, adenosine and ATP at the air-water interface by a uracil appended fullerene. <i>Journal of Materials Chemistry</i> , 2002, 12, 2123-2129.	6.7	44
11	Structure Determination and Electrochemistry of Products from the Radical Reaction of C ₆₀ with Azo(bisobutyronitrile). <i>Journal of Organic Chemistry</i> , 1999, 64, 6257-6262.	1.7	42
12	Potentiometric chemosensor for neopterin, a cancer biomarker, using an electrochemically synthesized molecularly imprinted polymer as the recognition unit. <i>Biosensors and Bioelectronics</i> , 2016, 77, 565-572.	5.3	42
13	Early diagnosis of fungal infections using piezomicrogravimetric and electric chemosensors based on polymers molecularly imprinted with d-arabitol. <i>Biosensors and Bioelectronics</i> , 2016, 79, 627-635.	5.3	40
14	Extended-gate field-effect transistor (EG-FET) with molecularly imprinted polymer (MIP) film for selective inosine determination. <i>Biosensors and Bioelectronics</i> , 2015, 74, 526-533.	5.3	39
15	Synthesis and application of a plastic antibody in electrochemical microfluidic platform for oxytocin determination. <i>Biosensors and Bioelectronics</i> , 2018, 100, 251-258.	5.3	39
16	Study of Redox Active C ₆₀ /Pd Films by Simultaneous Cyclic Voltammetry and Piezoelectric Microgravimetry at an Electrochemical Quartz Crystal Microbalance. <i>Journal of the Electrochemical Society</i> , 2000, 147, 2597.	1.3	38
17	Structure and properties of C ₆₀ /Pd films formed by electroreduction of C ₆₀ and palladium(ii) acetate trimer: evidence for the presence of palladium nanoparticles. <i>Journal of Materials Chemistry</i> , 2003, 13, 518-525.	6.7	36
18	Electrochemically synthesized molecularly imprinted polymer of thiophene derivatives for flow-injection analysis determination of adenosine-5'-triphosphate (ATP). <i>Biosensors and Bioelectronics</i> , 2013, 41, 634-641.	5.3	36

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19	Fullerene derived molecularly imprinted polymer for chemosensing of adenosine-5â€²-triphosphate (ATP). <i>Analytica Chimica Acta</i> , 2014, 844, 61-69.	2.6	32
20	An effective multipurpose building block for 3D electropolymerisation: 2,2â€²-Bis(2,2â€²-bithiophene-5-yl)-3,3â€²-bithianaphthene. <i>Electrochimica Acta</i> , 2010, 55, 8352-8364.	2.6	29
21	â€œGate Effectâ€-in <i>i>p</i>-Synephrine Electrochemical Sensing with a Molecularly Imprinted Polymer and Redox Probes. <i>Analytical Chemistry</i>, 2019, 91, 7546-7553.</i>	3.2	28
22	Selective PQQPFPQQ Gluten Epitope Chemical Sensor with a Molecularly Imprinted Polymer Recognition Unit and an Extended-Gate Field-Effect Transistor Transduction Unit. <i>Analytical Chemistry</i> , 2019, 91, 4537-4543.	3.2	27
23	Molecularly imprinted polymer-based extended-gate field-effect transistor (EG-FET) chemosensor for selective determination of matrix metalloproteinase-1 (MMP-1) protein. <i>Biosensors and Bioelectronics</i> , 2022, 208, 114203.	5.3	27
24	Electrochemical sensor for selective tyramine determination, amplified by a molecularly imprinted polymer film. <i>Bioelectrochemistry</i> , 2021, 138, 107695.	2.4	26
25	Inherently Chiral Spiderâ€-Like Oligothiophenes. <i>Chemistry - A European Journal</i> , 2016, 22, 10839-10847.	1.7	25
26	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. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3948-3958.	4.0	25
27	Molecular recognition by synthetic receptors: Application in field-effect transistor based chemosensing. <i>Biosensors and Bioelectronics</i> , 2018, 109, 50-62.	5.3	25
28	Electrochemistry of Solutions as well as Simultaneous Cyclic Voltammetry and Piezoelectric Microgravimetry of Conducting Films of 2-(n-Alkyl)fulleropyrrolidines. <i>Journal of the Electrochemical Society</i> , 2000, 147, 2647.	1.3	22
29	Straightforward Synthesis of Single-Crystalline and Redox-Active Cr(II)-carboxylate MOFs. <i>Inorganic Chemistry</i> , 2018, 57, 4803-4806.	1.9	21
30	Self-reporting molecularly imprinted polymer with the covalently immobilized ferrocene redox probe for selective electrochemical sensing of p-synephrine. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130276.	4.0	19
31	Nicotine, Cotinine, and Myosmine Determination Using Polymer Films of Tailor-Designed Zinc Porphyrins as Recognition Units for Piezoelectric Microgravimetry Chemosensors. <i>Analytical Chemistry</i> , 2012, 84, 2154-2163.	3.2	18
32	Electrochemically initiated co-polymerization of monomers of different oxidation potentials for molecular imprinting of electroactive analyte. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126884.	4.0	16
33	Protein Determination with Molecularly Imprinted Polymer Recognition Combined with Birefringence Liquid Crystal Detection. <i>Sensors</i> , 2020, 20, 4692.	2.1	16
34	Low-oxidation-potential thiophene-carbazole monomers for electro-oxidative molecular imprinting: Selective chemosensing of aripiprazole. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112589.	5.3	15
35	Langmuirâ€-Blodgett Films of Self-Assembled (Alkylether-Derivatized Zn) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (Phthalonitrile) for Photoelectrochemical Studies. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8688-8701.	4.0	13
36	Visible-light activation of low-cost rutile TiO2 photoanodes for photoelectrochemical water splitting. <i>Solar Energy Materials and Solar Cells</i> , 2020, 208, 110424.	3.0	13

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37	Molecularly imprinted polymer nanoparticles-based electrochemical chemosensors for selective determination of cilostazol and its pharmacologically active primary metabolite in human plasma. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113542.	5.3	13
38	Probing interactions between TiO ₂ photocatalyst and adsorbing species using quartz crystal microbalance. <i>Chemical Physics Letters</i> , 2002, 364, 244-250.	1.2	12
39	Two-Point Assembling of Zn(II) and Co(II) Metalloporphyrins Derivatized with a Crown Ether Substituent in Langmuir and Langmuir-Blodgett Films. <i>Langmuir</i> , 2007, 23, 2555-2568.	1.6	12
40	Surface enhancement of a molecularly imprinted polymer film using sacrificial silica beads for increasing arabitol chemosensor sensitivity and detectability. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6292-6299.	2.9	12
41	Collective Rotations of Ferroelectric Liquid Crystals at the Air/Water Interface. <i>Langmuir</i> , 2008, 24, 12354-12363.	1.6	11
42	Efficient synthesis of 5-oxatruxene and the unusual influence of oxygen heteroatom on its physico-chemical properties. <i>New Journal of Chemistry</i> , 2018, 42, 5844-5852.	1.4	11
43	Photovoltaic cells as a highly efficient system for biomedical and electrochemical surface-enhanced Raman spectroscopy analysis. <i>RSC Advances</i> , 2019, 9, 576-591.	1.7	9
44	Influence of the heteroatom introduction on the physicochemical properties of 5-heterotruxenes containing nitrogen, oxygen and sulfur atom. <i>RSC Advances</i> , 2020, 10, 42363-42377.	1.7	9
45	Surface properties of Langmuir films of mono-, di-, and tetra-n-octyl adducts of C ₆₀ at the water-air interface. <i>Synthetic Metals</i> , 2001, 123, 157-164.	2.1	8
46	Carbon-iron arc plasma: Characterization and novel applications. <i>European Physical Journal D</i> , 1999, 49, 933-940.	0.4	7
47	Application of the Impedance Spectroscopy as a New Tool for Studying Biodiesel Fuel Aging Processes. <i>Energies</i> , 2019, 12, 738.	1.6	7
48	Selective Impedimetric Chemosensing of Carcinogenic Heterocyclic Aromatic Amine in Pork by dsDNA-Mimicking Molecularly Imprinted Polymer Film-Coated Electrodes. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14689-14698.	2.4	7
49	Electrochemical quartz crystal microbalance studies of thin-solid films of higher fullerenes: C ₇₆ , C ₇₈ and C ₈₄ . <i>Electrochimica Acta</i> , 2002, 47, 2371-2380.	2.6	6
50	Protonation-induced rearrangements in Langmuir films and redox properties of Langmuir-Blodgett films of 2-(n-alkyl)fulleropyrrolidines. <i>Synthetic Metals</i> , 2002, 130, 221-227.	2.1	5
51	Self Assembling of Porphyrin-Fullerene Dyads in the Langmuir and Langmuir-Blodgett Films: Formation as well as Spectral, Electrochemical and Vectorial Electron Transfer Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1455-1471.	0.9	5
52	Polytyramine Film-Coated Single-Walled Carbon Nanotube Electrochemical Chemosensor with Molecularly Imprinted Polymer Nanoparticles for Duloxetine-Selective Determination in Human Plasma. <i>ACS Sensors</i> , 2022, 7, 1829-1836.	4.0	5
53	Valorization of Brewery Wastes for the Synthesis of Silver Nanocomposites Containing Orthophosphate. <i>Nanomaterials</i> , 2021, 11, 2659.	1.9	4
54	Nanostructuring of Watson-Crick type base-paired (C ₆₀ -uracil):(2-aminopurine) conjugates in Langmuir films. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3861-3867.	0.7	3

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55	Electrochemical impedance spectroscopy studies of gasoline oxidative stability â€“ Attempt to devise new gasolines chemical stability index. <i>Fuel</i> , 2021, 288, 119620.	3.4	3
56	Valorizing the Unexplored Filtration Waste of Brewing Industry for Green Silver Nanocomposite Synthesis. <i>Nanomaterials</i> , 2022, 12, 442.	1.9	3
57	Simultaneous CV and EQCM study of thin-solid films of higher fullerenes: C[sub 76], C[sub 78] and C[sub 84]. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	1
58	Determination of Asymmetric Dimethylarginine by Using Organic Semiconductor-Based Molecularly Imprinted Polymer Film. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, Q3189-Q3195.	0.9	1
59	Cilostazol-imprinted polymer film-coated electrode as an electrochemical chemosensor for selective determination of cilostazol and its active primary metabolite. <i>Journal of Materials Chemistry B</i> , 2021, , .	2.9	1
60	Electrochemical quartz crystal microbalance study of redox active C[sub 60]/Pd polymer films. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0
61	Inherently Chiral Spider-Like Oligothiophenes. <i>Chemistry - A European Journal</i> , 2016, 22, 10685-10685.	1.7	0
62	Semi-Covalent Imprinting for Selective Protein Sensing at a Femtomolar Concentration Level. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	0
63	Self-Reporting Molecularly Imprinted Polymer with Covalently Immobilized Ferrocene Redox Probe for Selective Electrochemical Sensing of P-Synephrine. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 1368-1368.	0.0	0
64	Conducting Molecularly Imprinted Polymer (MIP) Chemical Sensors for Toxic N-Nitrosamines Selective Determination in Heat Processed Food of Animal Origin. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
65	(Invited) Application of Extended-Gate Field-Effect Transistor Sensors with Molecularly Imprinted Polymer Recognition Layers for Determination of Renal Dysfunction Biomarkers. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
66	Molecularly Imprinted Polymer for Selective Electrosynthesis of Biphenols. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1462-1462.	0.0	0