

M-Pilar Marco

List of Publications by Year in descending order

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209
papers

7,796
citations

41344
49
h-index

69250
77
g-index

213
all docs

213
docs citations

213
times ranked

7977
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional nanoparticles “ properties and prospects for their use in human medicine. Trends in Biotechnology, 2008, 26, 425-433.	9.3	722
2	Nanoparticle-based biosensors for detection of pathogenic bacteria. TrAC - Trends in Analytical Chemistry, 2009, 28, 1243-1252.	11.4	220
3	Biosensors for environmental applications: Future development trends. Pure and Applied Chemistry, 2004, 76, 723-752.	1.9	199
4	Biosensors for environmental monitoring A global perspective. Talanta, 2005, 65, 291-297.	5.5	194
5	Nanobody: outstanding features for diagnostic and therapeutic applications. Analytical and Bioanalytical Chemistry, 2019, 411, 1703-1713.	3.7	167
6	A label-free and portable multichannel surface plasmon resonance immunosensor for on site analysis of antibiotics in milk samples. Biosensors and Bioelectronics, 2010, 26, 1231-1238.	10.1	166
7	Electrochemical Magnetoimmunosensing Strategy for the Detection of Pesticides Residues. Analytical Chemistry, 2006, 78, 1780-1788.	6.5	144
8	Biosensors for environmental monitoring of endocrine disruptors: a review article. Analytical and Bioanalytical Chemistry, 2004, 378, 588-598.	3.7	141
9	Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol. Analytica Chimica Acta, 2001, 426, 185-195.	5.4	128
10	Environmental applications of analytical biosensors. Measurement Science and Technology, 1996, 7, 1547-1562.	2.6	120
11	Electrochemical magneto immunosensing of antibiotic residues in milk. Biosensors and Bioelectronics, 2007, 22, 2184-2191.	10.1	114
12	Integrated disposable electrochemical immunosensors for the simultaneous determination of sulfonamide and tetracycline antibiotics residues in milk. Biosensors and Bioelectronics, 2013, 50, 100-105.	10.1	100
13	Immunochemical techniques for environmental analysis II. Antibody production and immunoassay development. TrAC - Trends in Analytical Chemistry, 1995, 14, 415-425.	11.4	97
14	Part per trillion determination of atrazine in natural water samples by a surface plasmon resonance immunosensor. Analytical and Bioanalytical Chemistry, 2007, 388, 207-214.	3.7	97
15	Development of a highly sensitive enzyme-linked immunosorbent assay for atrazine Performance evaluation by flow injection immunoassay. Analytica Chimica Acta, 1997, 347, 149-162.	5.4	90
16	Immunochemical Assays for Direct Sulfonamide Antibiotic Detection In Milk and Hair Samples Using Antibody Derivatized Magnetic Nanoparticles. Journal of Agricultural and Food Chemistry, 2008, 56, 736-743.	5.2	87
17	Generation of Broad Specificity Antibodies for Sulfonamide Antibiotics and Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for the Analysis of Milk Samples. Journal of Agricultural and Food Chemistry, 2009, 57, 385-394.	5.2	87
18	An impedimetric immunosensor based on interdigitated microelectrodes (ID ^{1/4} E) for the determination of atrazine residues in food samples. Biosensors and Bioelectronics, 2008, 23, 1367-1373.	10.1	86

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19	A multianalyte ELISA for immunochemical screening of sulfonamide, fluoroquinolone and β -lactam antibiotics in milk samples using class-selective bioreceptors. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1703-1712.	3.7	85
20	Impedimetric immunosensor for the specific label free detection of ciprofloxacin antibiotic. <i>Biosensors and Bioelectronics</i> , 2007, 23, 549-555.	10.1	84
21	Development of Stable, Water-Dispersible, and Biofunctionalizable Superparamagnetic Iron Oxide Nanoparticles. <i>Chemistry of Materials</i> , 2011, 23, 2795-2802.	6.7	84
22	Disposable and integrated amperometric immunosensor for direct determination of sulfonamide antibiotics in milk. <i>Biosensors and Bioelectronics</i> , 2012, 36, 81-88.	10.1	80
23	Immunochemical techniques for environmental analysis I. Immunosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 1995, 14, 341-350.	11.4	79
24	Immunoassay for folic acid detection in vitamin-fortified milk based on electrochemical magneto sensors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2057-2063.	10.1	77
25	Accurate Determination of 2,4,6-Trichloroanisole in Wines at Low Parts Per Trillion by Solid-Phase Microextraction Followed by GC-ECD. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3509-3514.	5.2	75
26	Pilot Survey for Determination of the Antifouling Agent Irgarol 1051 in Enclosed Seawater Samples by a Direct Enzyme-Linked Immunosorbent Assay and Solid-Phase Extraction Followed by Liquid Chromatography-Diode Array Detection. <i>Environmental Science & Technology</i> , 1997, 31, 3530-3535.	10.0	74
27	Impedimetric Immunosensor Based on a Polypyrrole Antibiotic Model Film for the Label-Free Picomolar Detection of Ciprofloxacin. <i>Analytical Chemistry</i> , 2009, 81, 8405-8409.	6.5	72
28	Portable Surface Plasmon Resonance Immunosensor for the Detection of Fluoroquinolone Antibiotic Residues in Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5036-5043.	5.2	72
29	A General Perspective of the Characterization and Quantification of Nanoparticles: Imaging, Spectroscopic, and Separation Techniques. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 423-458.	12.3	72
30	Development of an enzyme-linked immunosorbent assay for carbaryl. <i>Journal of Agricultural and Food Chemistry</i> , 1993, 41, 423-430.	5.2	69
31	Preparation of Antibodies and Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for the Determination of Doxycycline Antibiotic in Milk Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3837-3846.	5.2	69
32	Nanogold probe enhanced Surface Plasmon Resonance immunosensor for improved detection of antibiotic residues. <i>Biosensors and Bioelectronics</i> , 2012, 34, 151-158.	10.1	68
33	Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in serum. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 212-220.	7.8	68
34	Biosensors for pharmaceuticals based on novel technology. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 541-553.	11.4	66
35	Development of an Immunochemical Technique for the Analysis of Trichlorophenols Using Theoretical Models. <i>Analytical Chemistry</i> , 2000, 72, 2237-2246.	6.5	64
36	Molecular Modeling Assisted Hapten Design To Produce Broad Selectivity Antibodies for Fluoroquinolone Antibiotics. <i>Analytical Chemistry</i> , 2012, 84, 4527-4534.	6.5	64

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37	Influence of the Hapten Design on the Development of a Competitive ELISA for the Determination of the Antifouling Agent Irgarol 1051 at Trace Levels. <i>Analytical Chemistry</i> , 1998, 70, 4004-4014.	6.5	63
38	Development and optimization of an indirect enzyme-linked immunosorbent assay for 4-nitrophenol. Application to the analysis of certified water samples. <i>Analytica Chimica Acta</i> , 1999, 387, 255-266.	5.4	63
39	Colloidal-based localized surface plasmon resonance (LSPR) biosensor for the quantitative determination of stanozolol. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1813-1820.	3.7	61
40	Wavelength-interrogated optical biosensor for multi-analyte screening of sulfonamide, fluoroquinolone, β -lactam and tetracycline antibiotics in milk. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 769-777.	11.4	59
41	Preparation of antisera and development of a direct enzyme-linked immunosorbent assay for the determination of the antifouling agent Irgarol 1051. <i>Analytica Chimica Acta</i> , 1997, 347, 139-147.	5.4	58
42	Current bioanalytical methods for detection of penicillins. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1549-1566.	3.7	56
43	Development of a Selective Enzyme-Linked Immunosorbent Assay for 1-Naphthol-the Major Metabolite of Carbaryl (1-Naphthyl N-Methylcarbamate). <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 934-943.	5.2	55
44	Recent advances in analytical and bioanalysis applications of noble metal nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2451-2469.	3.7	55
45	Impedimetric immunosensor for atrazine detection using interdigitated Au/Pt -electrodes (ID Au/Pt 's). <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 526-537.	7.8	53
46	Waveguide interrogated optical immunosensor (WIOS) for detection of sulfonamide antibiotics in milk. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3340-3346.	10.1	53
47	Current and near-future technologies for antibiotic susceptibility testing and resistant bacteria detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115891.	11.4	53
48	Development and Evaluation of an Immunoassay for Biological Monitoring Chlorophenols in Urine as Potential Indicators of Occupational Exposure. <i>Analytical Chemistry</i> , 2002, 74, 468-478.	6.5	51
49	Three-dimensional interdigitated electrode array as a transducer for label-free biosensors. <i>Biosensors and Bioelectronics</i> , 2008, 24, 729-735.	10.1	51
50	Indirect competitive immunoassay for trichlorophenol determination. <i>Analytica Chimica Acta</i> , 2002, 452, 191-206.	5.4	50
51	Conductimetric immunosensor for atrazine detection based on antibodies labelled with gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 95-103.	7.8	50
52	Effect of the pheromone biosynthesis activating neuropeptide on sex pheromone biosynthesis in <i>Spodoptera littoralis</i> isolated glands. <i>Archives of Insect Biochemistry and Physiology</i> , 1994, 27, 77-87.	1.5	49
53	Quantitative detection of doping substances by a localised surface plasmon sensor. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1345-1349.	10.1	45
54	Rapid method based on immunoassay for determination of paraquat residues in wheat, barley and potato. <i>Food Control</i> , 2014, 41, 193-201.	5.5	45

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55	Detection of Fluoroquinolone Antibiotics in Milk via a Labelless Immunoassay Based upon an Alternating Current Impedance Protocol. <i>Analytical Chemistry</i> , 2008, 80, 9233-9239.	6.5	40
56	Competitive multi-immunosensing of pesticides based on the particle manipulation with negative dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1928-1933.	10.1	40
57	Electrochemical biosensing of pesticide residues based on affinity biocomposite platforms. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1707-1715.	10.1	39
58	Hapten design and development of an ELISA (enzyme-linked immunosorbent assay) for the detection of the mercapturic acid conjugates of naphthalene. <i>Journal of Organic Chemistry</i> , 1993, 58, 7548-7556.	3.2	38
59	Quantum dot-based array for sensitive detection of <i>Escherichia coli</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2755-2762.	3.7	38
60	Validation of an immunoassay method for the determination of traces of carbaryl in vegetable and fruit extracts by liquid chromatography with photodiode array and mass spectrometric detection. <i>Journal of Chromatography A</i> , 1998, 823, 109-120.	3.7	37
61	Development of a Coulombimetric immunosensor based on specific antibodies labeled with CdS nanoparticles for sulfonamide antibiotic residues analysis and its application to honey samples. <i>Biosensors and Bioelectronics</i> , 2013, 43, 211-217.	10.1	37
62	Kynurenic Acid Levels are Increased in the CSF of Alzheimer's Disease Patients. <i>Biomolecules</i> , 2020, 10, 571.	4.0	37
63	Analysis of Nonylphenol: Advances and Improvements in the Immunochemical Determination Using Antibodies Raised against the Technical Mixture and Hydrophilic Immunoreagents. <i>Environmental Science & Technology</i> , 2006, 40, 559-568.	10.0	36
64	Detection of pesticide residues using an immunodevice based on negative dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1592-1597.	10.1	36
65	Validation of two immunoassay methods for environmental monitoring of carbaryl and 1-naphthol in ground water samples. <i>Analytica Chimica Acta</i> , 1995, 311, 319-329.	5.4	35
66	Evidence for both humoral and neural regulation of sex pheromone biosynthesis in <i>Spodoptera littoralis</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1996, 31, 157-167.	1.5	33
67	Determination of atrazine residues in red wine samples. A conductimetric solution. <i>Food Chemistry</i> , 2010, 122, 888-894.	8.2	33
68	Development of a cellular biosensor for the detection of 2,4,6-trichloroanisole (TCA). <i>Talanta</i> , 2011, 84, 936-940.	5.5	33
69	Coulombimetric immunosensor for paraquat based on electrochemical nanoprobe. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 353-360.	7.8	33
70	Effect of competitor design on immunoassay specificity: Development and evaluation of an enzyme-linked immunosorbent assay for 2,4-dinitrophenol. <i>Analytica Chimica Acta</i> , 1999, 387, 267-279.	5.4	31
71	Electrochemical Detection of Fluoroquinolone Antibiotics in Milk Using a Magneto Immunosensor. <i>Sensors</i> , 2014, 14, 15965-15980.	3.8	31
72	Immunochemical Determination of Pyocyanin and 1-Hydroxyphenazine as Potential Biomarkers of <i>Pseudomonas aeruginosa</i> Infections. <i>Analytical Chemistry</i> , 2016, 88, 1631-1638.	6.5	31

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73	Direct Competitive Enzyme-Linked Immunosorbent Assay for the Determination of the Highly Polar Short-Chain Sulfophenyl Carboxylates. <i>Analytical Chemistry</i> , 2005, 77, 5283-5293.	6.5	30
74	Biomonitoring Human Exposure to Organohalogenated Substances by Measuring Urinary Chlorophenols Using a High-Throughput Screening (HTS) Immunochemical Method. <i>Environmental Science & Technology</i> , 2006, 40, 2469-2477.	10.0	30
75	Detection of pathogenic Bacteria by Electrochemical Impedance Spectroscopy: Influence of the immobilization strategies on the sensor performance. <i>Procedia Chemistry</i> , 2009, 1, 1291-1294.	0.7	30
76	Validation of an Enzyme-Linked Immunosorbent Assay for Detecting Sulfonamides in Feed Resources. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7526-7531.	5.2	30
77	Novel strategy for sulfapyridine detection using a fully integrated electrochemical Bio-MEMS: Application to honey analysis. <i>Biosensors and Bioelectronics</i> , 2017, 93, 282-288.	10.1	30
78	Enzyme-linked immunosorbent assay for the specific detection of the mercapturic acid metabolites of naphthalene. <i>Chemical Research in Toxicology</i> , 1993, 6, 284-293.	3.3	29
79	Reversible immunosensor for the automatic determination of atrazine. Selection and performance of three polyclonal antisera. <i>Analytica Chimica Acta</i> , 1999, 386, 201-210.	5.4	29
80	Development and application of immunoaffinity chromatography for the determination of the triazinic biocides in seawater. <i>Journal of Chromatography A</i> , 2001, 909, 61-72.	3.7	29
81	Preparation of antibodies and development of a sensitive immunoassay with fluorescence detection for triazine herbicides. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1801-1812.	3.7	29
82	Development and validation of an enzyme linked immunosorbent assay for fluoroquinolones in animal feeds. <i>Food Control</i> , 2015, 57, 195-201.	5.5	29
83	Synthesis of haptens and conjugates for an enzyme immunoassay for analysis of the herbicide bromacil. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 1459-1465.	5.2	28
84	Immunochemical determination of xenobiotics with endocrine disrupting effects. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 563-575.	3.7	28
85	Development of an Enzyme-Linked Immunosorbent Assay for the Determination of the Linear Alkylbenzene Sulfonates and Long-Chain Sulfophenyl Carboxylates Using Antibodies Generated by Pseudoheterologous Immunization. <i>Analytical Chemistry</i> , 2006, 78, 71-81.	6.5	28
86	ASSURED Point-of-Need Food Safety Screening: A Critical Assessment of Portable Food Analyzers. <i>Foods</i> , 2021, 10, 1399.	4.3	28
87	Phenazines as potential biomarkers of <i>Pseudomonas aeruginosa</i> infections: synthesis regulation, pathogenesis and analytical methods for their detection. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5897-5912.	3.7	27
88	Performance of two immunoassays for the determination of atrazine in sea water samples as compared with on-line solid phase extraction-liquid chromatography-diode array detection. <i>Analytica Chimica Acta</i> , 1996, 330, 41-51.	5.4	26
89	Electrochemical coding strategies using metallic nanoprobe for biosensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 9-22.	11.4	26
90	Regulation of sex pheromone biosynthesis in two noctuid species, <i>S. littoralis</i> and <i>M. brassicae</i> , may involve both PBAN and the ventral nerve cord. <i>Archives of Insect Biochemistry and Physiology</i> , 1998, 37, 295-304.	1.5	25

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91	An Immunosensor for the Automatic Determination of the Antifouling Agent Irgarol 1051 in Natural Waters. <i>Environmental Science & Technology</i> , 1998, 32, 3442-3447.	10.0	25
92	Competitive Quenching Fluorescence Immunoassay for Chlorophenols Based on Laser-Induced Fluorescence Detection in Microdroplets. <i>Analytical Chemistry</i> , 2003, 75, 83-90.	6.5	25
93	Characterisation of the interdigitated electrode array with tantalum silicide electrodes separated by insulating barriers. <i>Electrochemistry Communications</i> , 2008, 10, 1621-1624.	4.7	25
94	Immunosensor for trace determination of Irgarol 1051 in seawater using organic media. <i>Analytica Chimica Acta</i> , 1999, 387, 227-233.	5.4	24
95	Temporal distribution of PBAN-like immunoreactivity in the hemolymph of <i>Mamestra brassicae</i> females in relation to sex pheromone production and calling behavior. <i>Archives of Insect Biochemistry and Physiology</i> , 1999, 40, 80-87.	1.5	24
96	Labelless Immunosensor Assay for Fluoroquinolone Antibiotics Based Upon an AC Impedance Protocol. <i>Analytical Letters</i> , 2007, 40, 1412-1422.	1.8	24
97	Preparation of Antibodies for the Designer Steroid Tetrahydrogestrinone and Development of an Enzyme-Linked Immunosorbent Assay for Human Urine Analysis. <i>Analytical Chemistry</i> , 2007, 79, 3734-3740.	6.5	24
98	Determination of Haloanisols in White Wine by Immunosorbent Solid-Phase Extraction Followed by Enzyme-Linked Immunosorbent Assay. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 9176-9183.	5.2	23
99	Mass spectrometric characterization of urinary toremifene metabolites for doping control analyses. <i>Journal of Chromatography A</i> , 2011, 1218, 4727-4737.	3.7	23
100	Ecdysteroid production in tissue cultures of <i>Polypodium vulgare</i> . <i>Phytochemistry</i> , 1990, 29, 3819-3821.	2.9	22
101	Biological Monitoring of 2,4,5-Trichlorophenol (I): Preparation of Antibodies and Development of an Immunoassay Using Theoretical Models. <i>Chemical Research in Toxicology</i> , 2002, 15, 1360-1370.	3.3	22
102	Evaluation of a field-test kit for triazine herbicides (SensioScreen® TR500) as a fast assay to detect pesticide contamination in water samples. <i>Analytica Chimica Acta</i> , 2003, 475, 105-115.	5.4	21
103	Immunochemical Determination of 2,4,6-Trichloroanisole as the Responsible Agent for the Musty Odor in Foods. 1. Molecular Modeling Studies for Antibody Production. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3924-3931.	5.2	21
104	Determination of Irgarol 1051 in Western Mediterranean sediments. Development and application of supercritical fluid extraction-immunoaffinity chromatography procedure. <i>Water Research</i> , 2003, 37, 3658-3665.	11.3	21
105	Simultaneous immunochemical detection of stanozolol and the main human metabolite, 3 α -hydroxy-stanozolol, in urine and serum samples. <i>Analytical Biochemistry</i> , 2008, 376, 221-228.	2.4	21
106	Immunochemical Analysis of 2,4,6-Tribromophenol for Assessment of Wood Contamination. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 29-34.	5.2	21
107	Fluorescence site-encoded DNA addressable hapten microarray for anabolic androgenic steroids. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 718-728.	11.4	21
108	Development and evaluation of C18 and immunosorbent solid-phase extraction methods prior immunochemical analysis of chlorophenols in human urine. <i>Analytica Chimica Acta</i> , 2005, 533, 67-82.	5.4	20

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109	Gel-based immunotest for simultaneous detection of 2,4,6-trichlorophenol and ochratoxin A in red wine. <i>Analytica Chimica Acta</i> , 2010, 672, 3-8.	5.4	20
110	Multiplexed immunoassay to detect anabolic androgenic steroids in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1361-1371.	3.7	20
111	Immunochemical detection of penicillins by using biohybrid magnetic particles. <i>Food Control</i> , 2015, 51, 381-389.	5.5	20
112	Smartphone-based magneto-immunosensor on carbon black modified screen-printed electrodes for point-of-need detection of aflatoxin B1 in cereals. <i>Analytica Chimica Acta</i> , 2022, 1221, 340118.	5.4	20
113	Direct application of an enzyme-linked immunosorbent assay method for carbaryl determination in fruits and vegetables. Comparison with a liquid chromatography–postcolumn reaction fluorescence detection method. <i>Analytica Chimica Acta</i> , 1999, 387, 245-253.	5.4	19
114	Electronic Anabolic Steroid Recognition with Carbon Nanotube Field-Effect Transistors. <i>ACS Nano</i> , 2010, 4, 1473-1480.	14.6	19
115	Design and fabrication of a COP -based microfluidic chip: Chronoamperometric detection of Te -roponin Te . <i>Electrophoresis</i> , 2012, 33, 3187-3194.	2.4	19
116	Immunochemical determination of fluoroquinolone antibiotics in cattle hair: A strategy to ensure food safety. <i>Food Chemistry</i> , 2014, 157, 221-228.	8.2	19
117	Immunoassays on thiol-ene synthetic paper generate a superior fluorescence signal. <i>Biosensors and Bioelectronics</i> , 2020, 163, 112279.	10.1	19
118	The benefits of carbon black, gold and magnetic nanomaterials for point-of-harvest electrochemical quantification of domoic acid. <i>Mikrochimica Acta</i> , 2020, 187, 164.	5.0	19
119	Ecdysteroid depletion by azadirachtin in <i>Tenebrio molitor</i> pupae. <i>Pesticide Biochemistry and Physiology</i> , 1990, 38, 60-65.	3.6	18
120	Phytoecdysteroid analysis by high-performance liquid chromatography-thermospray mass spectrometry. <i>Journal of Chromatography A</i> , 1993, 641, 81-87.	3.7	18
121	Evaluation of 4-Nitrophenol ELISA Kit for Assessing the Origin of Organic Pollution in Wastewater Treatment Works. <i>Environmental Science & Technology</i> , 1999, 33, 3898-3904.	10.0	18
122	Preparation of Antibodies and Development of an Enzyme-Linked Immunosorbent Assay for Determination of Dealkylated Hydroxytriazines. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 156-164.	5.2	18
123	Single frequency impedimetric immunosensor for atrazine detection. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 921-928.	7.8	18
124	A high throughput immunoassay for the therapeutic drug monitoring of tegafur. <i>Analyst</i> , The, 2017, 142, 2404-2410.	3.5	18
125	Interferometric nanoimmunosensor for label-free and real-time monitoring of Irgarol 1051 in seawater. <i>Biosensors and Bioelectronics</i> , 2018, 117, 47-52.	10.1	18
126	Multiplexed immunochemical techniques for the detection of pollutants in aquatic environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 1-10.	11.4	18

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127	Development of an Enzyme-Linked Immunosorbent Assay for Determination of the Miticide Bromopropylate. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 375-384.	5.2	17
128	Synthesis of Steroid- ⁶⁶ Oligonucleotide Conjugates for a DNA Site-Encoded SPR Immunosensor. <i>Bioconjugate Chemistry</i> , 2012, 23, 2183-2191.	3.6	16
129	Two-photon fluorescent immunosensor for androgenic hormones using resonant grating waveguide structures. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 394-401.	7.8	16
130	Three-Dimensional Interdigitated Electrode Array as a Tool for Surface Reactions Registration. <i>Electroanalysis</i> , 2012, 24, 69-75.	2.9	16
131	An electrochemical magneto immunosensor (EMIS) for the determination of paraquat residues in potato samples. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7841-7849.	3.7	16
132	¹³ C Dynamic Nmr Studies on Restricted Rotation about C-N Bond in 2-Aryl-1-formyl-4-piperidones. <i>Heterocycles</i> , 1989, 29, 2185.	0.7	16
133	Efficient determination of phytoecdysteroids from <i>Ajuga</i> species and <i>Polypodium vulgare</i> by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1990, 514, 199-207.	3.7	15
134	Rapid immunochemical analysis of the sulfonamide-sugar conjugated fraction of antibiotic contaminated honey samples. <i>Food Chemistry</i> , 2015, 178, 156-163.	8.2	15
135	A microfluidic device for the automated electrical readout of low-density glass-slide microarrays. <i>Biosensors and Bioelectronics</i> , 2015, 74, 698-704.	10.1	15
136	Bioanalytical methods for cytostatic therapeutic drug monitoring and occupational exposure assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 152-170.	11.4	15
137	Multimodal plasmonic biosensing nanostructures prepared by DNA-directed immobilization of multifunctional DNA-gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 90, 13-22.	10.1	15
138	Immunoassay and amperometric biosensor approaches for the detection of deltamethrin in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5923-5930.	3.7	15
139	Light-induced mechanisms for nanocarrier's cargo release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 825-832.	5.0	15
140	Traceability of sulfonamide antibiotic treatment by immunochemical analysis of farm animal hair samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1009-1016.	3.7	14
141	Extraction-less, rapid assay for the direct detection of 2,4,6-trichloroanisole (TCA) in cork samples. <i>Talanta</i> , 2014, 125, 336-340.	5.5	14
142	Immunochemical Determination of 2,4,6-Trichloroanisole as the Responsible Agent for the Musty Odor in Foods. 2. Immunoassay Evaluation. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3932-3939.	5.2	13
143	Evaluation of a Newly Developed Enzyme-Linked Immunosorbent Assay for Determination of Linear Alkyl Benzenesulfonates in Wastewater Treatment Plants. <i>Environmental Science & Technology</i> , 2006, 40, 5064-5070.	10.0	13
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