

Antonio Abad-Fuentes

List of Publications by Year in descending order

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96
papers

2,843
citations

186265

28
h-index

197818

49
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96
all docs

96
docs citations

96
times ranked

2516
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative Hapten Design for Zearalenone Immunoreagent Generation. <i>Toxins</i> , 2022, 14, 185.	3.4	7
2	Immunoanalytical methods for ochratoxin A monitoring in wine and must based on innovative immunoreagents. <i>Food Chemistry</i> , 2021, 345, 128828.	8.2	8
3	Enzyme and lateral flow monoclonal antibody-based immunoassays to simultaneously determine spirotetramat and spirotetramat-enol in foodstuffs. <i>Scientific Reports</i> , 2021, 11, 1809.	3.3	2
4	Immunochemical method for penthiopyrad detection through thermodynamic and kinetic characterization of monoclonal antibodies. <i>Talanta</i> , 2021, 226, 122123.	5.5	5
5	Chemical strategies for triggering the immune response to the mycotoxin patulin. <i>Scientific Reports</i> , 2021, 11, 23438.	3.3	2
6	Assessment of the Optimum Linker Tethering Site of Alternariol Haptens for Antibody Generation and Immunoassay Development. <i>Toxins</i> , 2021, 13, 883.	3.4	6
7	Direct competitive immunosensor for Imidacloprid pesticide detection on gold nanoparticle-modified electrodes. <i>Talanta</i> , 2020, 209, 120465.	5.5	48
8	A Monoclonal Antibody-Based Immunoassay for Mepanipyrim Residue Sensitive Analysis in Grape Juice and Wine. <i>Food Analytical Methods</i> , 2020, 13, 770-779.	2.6	2
9	Monoclonal antibodies with subnanomolar affinity to tenofovir for monitoring adherence to antiretroviral therapies: from hapten synthesis to prototype development. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10439-10449.	5.8	3
10	Click Chemistry-Assisted Bioconjugates for Hapten Immunodiagnostics. <i>Bioconjugate Chemistry</i> , 2020, 31, 956-964.	3.6	7
11	Aproximaciones inmunoanalíticas para el control de xenobióticos y biotoxinas en alimentos. <i>Arbor</i> , 2020, 196, 542.	0.3	0
12	Synthetic Haptens and Monoclonal Antibodies to the Cyanotoxin Anatoxin-a. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9134-9139.	13.8	14
13	Synthetic Haptens and Monoclonal Antibodies to the Cyanotoxin Anatoxin-a. <i>Angewandte Chemie</i> , 2019, 131, 9232-9237.	2.0	0
14	Highly sensitive monoclonal antibody-based immunoassays for the analysis of fluopyram in food samples. <i>Food Chemistry</i> , 2019, 288, 117-126.	8.2	19
15	Study of Epitope Imprinting for Small Templates: Preparation of NanoMIPs for Ochratoxin A. <i>ChemNanoMat</i> , 2019, 5, 651-657.	2.8	15
16	A unified approach to the synthesis of both enantiomers of anatoxin-a and homoanatoxin-a cyanotoxins. <i>Tetrahedron</i> , 2018, 74, 5022-5031.	1.9	6
17	Highly sensitive monoclonal antibody-based immunoassays for boscalid analysis in strawberries. <i>Food Chemistry</i> , 2018, 267, 2-9.	8.2	21
18	Combined heterologies for monoclonal antibody-based immunoanalysis of fluxapyroxad. <i>Analyst</i> , The, 2018, 143, 5718-5727.	3.5	10

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19	Hapten Design and Antibody Generation for Immunoanalysis of Spirotetramat and Spirotetramat-enol. <i>ACS Omega</i> , 2018, 3, 11950-11957.	3.5	8
20	Immunochemical rapid determination of quinoxifen, a priority hazardous pollutant. <i>Chemosphere</i> , 2018, 211, 302-307.	8.2	6
21	Rationally designed haptens for highly sensitive monoclonal antibody-based immunoanalysis of fenhexamid. <i>Analyst, The</i> , 2018, 143, 4057-4066.	3.5	10
22	Novel haptens and monoclonal antibodies with subnanomolar affinity for a classical analytical target, ochratoxin A. <i>Scientific Reports</i> , 2018, 8, 9761.	3.3	9
23	Protein-Free Hapten-Carbon Nanotube Constructs Induce the Secondary Immune Response. <i>Bioconjugate Chemistry</i> , 2017, 28, 1630-1638.	3.6	5
24	Fluxapyroxad Haptens and Antibodies for Highly Sensitive Immunoanalysis of Food Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9333-9341.	5.2	24
25	A class-selective immunoassay for simultaneous analysis of anilinopyrimidine fungicides using a rationally designed hapten. <i>Analyst, The</i> , 2017, 142, 3975-3985.	3.5	17
26	High-affinity Antibodies from a Full Penthiopyrad-mimicking Hapten and Heterologous Immunoassay Development for Fruit Juice Analysis. <i>Food Analytical Methods</i> , 2017, 10, 4013-4023.	2.6	3
27	Dispersive magnetic immunoaffinity extraction. Anatoxin-a determination. <i>Journal of Chromatography A</i> , 2017, 1529, 57-62.	3.7	19
28	Fluorescence polarisation immunoassays for strobilurin fungicides kresoxim-methyl, trifloxystrobin and picoxystrobin. <i>Talanta</i> , 2017, 162, 495-504.	5.5	29
29	Highly selective solid-phase extraction sorbents for chloramphenicol determination in food and urine by ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8559-8567.	3.7	26
30	Fungicide multiresidue monitoring in international wines by immunoassays. <i>Food Chemistry</i> , 2016, 196, 1279-1286.	8.2	33
31	Off-line coupling of multidimensional immunoaffinity chromatography and ion mobility spectrometry: A promising partnership. <i>Journal of Chromatography A</i> , 2015, 1426, 110-117.	3.7	21
32	Monoclonal antibody-based immunoassays for cyprodinil residue analysis in QuEChERS-based fruit extracts. <i>Food Chemistry</i> , 2015, 187, 530-536.	8.2	19
33	Site-heterologous haptens and competitive monoclonal antibody-based immunoassays for pyrimethanil residue analysis in foodstuffs. <i>LWT - Food Science and Technology</i> , 2015, 63, 604-611.	5.2	12
34	Determination of succinate-dehydrogenase-inhibitor fungicide residues in fruits and vegetables by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4207-4211.	3.7	45
35	Rational design of a fluopyram hapten and preparation of bioconjugates and antibodies for immunoanalysis. <i>RSC Advances</i> , 2015, 5, 51337-51341.	3.6	5
36	Moiety and linker site heterologies for highly sensitive immunoanalysis of cyprodinil in fermented alcoholic drinks. <i>Food Control</i> , 2015, 50, 393-400.	5.5	10

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37	Ready Access to Proquinazid Haptens via Cross-Coupling Chemistry for Antibody Generation and Immunoassay Development. <i>PLoS ONE</i> , 2015, 10, e0134042.	2.5	5
38	Development of a sensitive and specific enzyme-linked immunosorbent assay for the determination of fludioxonil residues in fruit juices. <i>Analytical Methods</i> , 2014, 6, 8924-8929.	2.7	6
39	Design and development of heterologous competitive immunoassays for the determination of boscalid residues. <i>Analyst, The</i> , 2014, 139, 3636-3644.	3.5	13
40	Haptens, bioconjugates, and antibodies for penthiopyrad immunosensing. <i>Analyst, The</i> , 2014, 139, 5358-5361.	3.5	7
41	Sensitive Monoclonal Antibody-Based Immunoassays for Kresoxim-methyl Analysis in QuEChERS-Based Food Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2816-2821.	5.2	7
42	Immunoreagents and Competitive Assays to Fludioxonil. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2742-2744.	5.2	10
43	Immunoassays for trifloxystrobin analysis. Part I. Rational design of regioisomeric haptens and production of monoclonal antibodies. <i>Food Chemistry</i> , 2014, 152, 230-236.	8.2	14
44	Immunoassays for trifloxystrobin analysis. Part II. Assay development and application to residue determination in food. <i>Food Chemistry</i> , 2014, 162, 41-46.	8.2	11
45	Carbon nanotube-protein carriers enhance size-dependent self-adjuvant antibody response to haptens. <i>Journal of Controlled Release</i> , 2013, 170, 242-251.	9.9	42
46	Mepanipyrim haptens and antibodies with nanomolar affinity. <i>Analyst, The</i> , 2013, 138, 3360.	3.5	16
47	Structure-immunogenicity relationship of kresoxim-methyl regioisomeric haptens. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7361.	2.8	11
48	Applications of quantum dots as probes in immunosensing of small-sized analytes. <i>Biosensors and Bioelectronics</i> , 2013, 41, 12-29.	10.1	188
49	Immunoassays for pyraclostrobin analysis in processed food products using novel monoclonal antibodies and QuEChERS-based extracts. <i>Food Control</i> , 2013, 32, 42-48.	5.5	9
50	Development of an immunochromatographic assay based on carbon nanoparticles for the determination of the phyto regulator forchlorfenuron. <i>Biosensors and Bioelectronics</i> , 2013, 42, 170-176.	10.1	83
51	Direct surface plasmon resonance immunosensing of pyraclostrobin residues in untreated fruit juices. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2877-86.	3.7	12
52	Antibody generation and immunoassay development in diverse formats for pyrimethanil specific and sensitive analysis. <i>Analyst, The</i> , 2012, 137, 5672.	3.5	14
53	Immunoreagent Generation and Competitive Assay Development for Cyprodinil Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4803-4811.	5.2	12
54	Synthesis of azoxystrobin transformation products and selection of monoclonal antibodies for immunoassay development. <i>Toxicology Letters</i> , 2012, 210, 240-247.	0.8	16

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55	Generation of anti-azoxystrobin monoclonal antibodies from regioisomeric haptens functionalized at selected sites and development of indirect competitive immunoassays. <i>Analytica Chimica Acta</i> , 2012, 715, 105-112.	5.4	28
56	Development of competitive enzyme-linked immunosorbent assays for boscalid determination in fruit juices. <i>Food Chemistry</i> , 2012, 135, 276-284.	8.2	18
57	Development of monoclonal antibody-based competitive immunoassays for the detection of picoxystrobin in cereal and oilseed flours. <i>Food Control</i> , 2012, 26, 162-168.	5.5	19
58	Development and validation of a direct competitive monoclonal antibody-based immunoassay for the sensitive and selective analysis of the phyto regulator forchlorfenuron. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2019-2026.	3.7	12
59	Forchlorfenuron-mimicking haptens: from immunogen design to antibody characterization by hierarchical clustering analysis. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4863.	2.8	24
60	Synthesis of site-heterologous haptens for high-affinity anti-pyraclostrobin antibody generation. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1443.	2.8	36
61	Determination of fenhexamid residues in grape must, kiwifruit, and strawberry samples by enzyme-linked immunosorbent assay. <i>Food Chemistry</i> , 2011, 124, 1727-1733.	8.2	33
62	Development of immunoaffinity columns for pyraclostrobin extraction from fruit juices and analysis by liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , 2011, 1218, 4902-4909.	3.7	47
63	Exploring alternative hapten tethering sites for high-affinity anti-picoxystrobin antibody generation. <i>Analytical Biochemistry</i> , 2011, 416, 82-91.	2.4	12
64	Concise and modular synthesis of regioisomeric haptens for the production of high-affinity and stereoselective antibodies to the strobilurin azoxystrobin. <i>Tetrahedron</i> , 2011, 67, 624-635.	1.9	22
65	Hapten synthesis, monoclonal antibody generation, and development of competitive immunoassays for the analysis of picoxystrobin in beer. <i>Analytica Chimica Acta</i> , 2010, 682, 93-103.	5.4	52
66	Hapten Synthesis and Polyclonal Antibody-Based Immunoassay Development for the Analysis of Forchlorfenuron in Kiwifruit. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8502-8511.	5.2	28
67	Monoclonal Antibody Generation and Direct Competitive Enzyme-Linked Immunosorbent Assay Evaluation for the Analysis of the Fungicide Fenhexamid in Must and Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5129-5135.	5.2	24
68	Hapten Synthesis and Monoclonal Antibody-Based Immunoassay Development for the Detection of the Fungicide Kresoxim-methyl. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 1545-1552.	5.2	20
69	Production and Characterization of Monoclonal Antibodies Specific to the Strobilurin Pesticide Pyraclostrobin. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7682-7690.	5.2	81
70	Production and Characterization of Monoclonal and Polyclonal Antibodies to Forchlorfenuron. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11122-11131.	5.2	24
71	Hapten Synthesis and Monoclonal Antibody-Based Immunoassay Development for Detection of the Fungicide Trifloxystrobin. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2581-2588.	5.2	35
72	Determination of carbaryl in natural water samples by a surface plasmon resonance flow-through immunosensor. <i>Biosensors and Bioelectronics</i> , 2006, 21, 2129-2136.	10.1	127

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73	Analytical performances of validated chemiluminescent enzyme immunoassays to detect N-methylcarbamate pesticides. <i>Analytica Chimica Acta</i> , 2005, 528, 243-248.	5.4	25
74	Rapid detection and counting of viable beer-spoilage lactic acid bacteria using a monoclonal chemiluminescence enzyme immunoassay and a CCD camera. <i>Journal of Immunological Methods</i> , 2005, 303, 92-104.	1.4	41
75	Development of a Monoclonal Immunoassay Selective for Chlorinated Cyclodiene Insecticides. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 2776-2784.	5.2	25
76	Correlation study of enzyme-linked immunosorbent assay and high-performance liquid chromatography/tandem mass spectrometry for the determination of N-methylcarbamate insecticides in baby food. <i>Analytica Chimica Acta</i> , 2003, 495, 123-132.	5.4	37
77	Development of nanomechanical biosensors for detection of the pesticide DDT. <i>Biosensors and Bioelectronics</i> , 2003, 18, 649-653.	10.1	155
78	An integrated optical interferometric nanodevice based on silicon technology for biosensor applications. <i>Nanotechnology</i> , 2003, 14, 907-912.	2.6	279
79	FLUORESCENCE POLARIZATION IMMUNOASSAY FOR THE INSECTICIDE DDT AND ITS METABOLITES. <i>Analytical Letters</i> , 2002, 35, 1835-1850.	1.8	21
80	Validation of a Monoclonal Enzyme Immunoassay for the Determination of Carbofuran in Fruits and Vegetables. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 1713-1719.	5.2	28
81	Monoclonal Enzyme Immunoassay for the Analysis of Carbaryl in Fruits and Vegetables without Sample Cleanup. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 1707-1712.	5.2	26
82	Production of Monoclonal Antibodies to the N-Methylcarbamate Pesticide Propoxur. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 72-78.	5.2	50
83	Determination of carbaryl, carbofuran and methiocarb in cucumbers and strawberries by monoclonal enzyme immunoassays and high-performance liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 1999, 833, 3-12.	3.7	96
84	Development of Monoclonal Antibody-Based Immunoassays to the N-Methylcarbamate Pesticide Carbofuran. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 2475-2485.	5.2	60
85	Hapten Synthesis and Production of Monoclonal Antibodies to the N-Methylcarbamate Pesticide Methiocarb. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 2417-2426.	5.2	36
86	Hapten Synthesis and Production of Monoclonal Antibodies to DDT and Related Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 3694-3702.	5.2	43
87	Development of an Enzyme-Linked Immunosorbent Assay to Carbaryl. 1. Antibody Production from Several Haptens and Characterization in Different Immunoassay Formats. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 1486-1494.	5.2	49
88	Monoclonal Antibody-Based Flow-Through Immunosensor for Analysis of Carbaryl. <i>Analytical Chemistry</i> , 1997, 69, 2812-2818.	6.5	49
89	Development of an Enzyme-Linked Immunosorbent Assay to Carbaryl. 2. Assay Optimization and Application to the Analysis of Water Samples. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 1495-1501.	5.2	50
90	A comparative study by the enzyme-linked immunofiltration assay of solid phases used in the development of flow immunosensors. <i>Journal of Immunological Methods</i> , 1997, 208, 75-83.	1.4	25

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91	Development of an automated controlled-pore glass flow-through immunosensor for carbaryl. <i>Analytica Chimica Acta</i> , 1997, 347, 199-205.	5.4	36
92	A monoclonal immunoassay for carbofuran and its application to the analysis of fruit juices. <i>Analytica Chimica Acta</i> , 1997, 347, 103-110.	5.4	39
93	Application of a monoclonal antibody-based ELISA to the determination of carbaryl in apple and grape juices. <i>Analytica Chimica Acta</i> , 1995, 311, 365-370.	5.4	25
94	Production of Monoclonal Antibodies for Carbaryl from a Hapten Preserving the Carbamate Group. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 1818-1823.	5.2	43
95	Electrochemical assays based on enzyme-electrode systems to determine glycerol and propylene glycol in tobacco casing. <i>Sensors and Actuators B: Chemical</i> , 1993, 16, 429-434.	7.8	4
96	Comparison of a monoclonal antibody-based enzyme-linked immunosorbent assay and gas chromatography for the determination of nicotine in cigarette smoke condensates. <i>Analytical Chemistry</i> , 1993, 65, 3227-3231.	6.5	7