

Antonio Abad Somovilla

List of Publications by Year in descending order

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114
papers

2,019
citations

293460

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425179

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117
all docs

117
docs citations

117
times ranked

1937
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative Hapten Design for Zearalenone Immunoreagent Generation. <i>Toxins</i> , 2022, 14, 185.	1.5	7
2	Immunoanalytical methods for ochratoxin A monitoring in wine and must based on innovative immunoreagents. <i>Food Chemistry</i> , 2021, 345, 128828.	4.2	8
3	Enzyme and lateral flow monoclonal antibody-based immunoassays to simultaneously determine spirotramat and spirotramat-enol in foodstuffs. <i>Scientific Reports</i> , 2021, 11, 1809.	1.6	2
4	Immunochemical method for penthiopyrad detection through thermodynamic and kinetic characterization of monoclonal antibodies. <i>Talanta</i> , 2021, 226, 122123.	2.9	5
5	Chemical strategies for triggering the immune response to the mycotoxin patulin. <i>Scientific Reports</i> , 2021, 11, 23438.	1.6	2
6	Assessment of the Optimum Linker Tethering Site of Alternariol Haptens for Antibody Generation and Immunoassay Development. <i>Toxins</i> , 2021, 13, 883.	1.5	6
7	A Monoclonal Antibody-Based Immunoassay for Mepanipyrim Residue Sensitive Analysis in Grape Juice and Wine. <i>Food Analytical Methods</i> , 2020, 13, 770-779.	1.3	2
8	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.	2.9	3
9	Click Chemistry-Assisted Bioconjugates for Hapten Immunodiagnostics. <i>Bioconjugate Chemistry</i> , 2020, 31, 956-964.	1.8	7
10	Aproximaciones inmunoanalíticas para el control de xenobióticos y biotoxinas en alimentos. <i>Arbor</i> , 2020, 196, 542.	0.1	0
11	Synthetic Haptens and Monoclonal Antibodies to the Cyanotoxin Anatoxin-a. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9134-9139.	7.2	14
12	Synthetic Haptens and Monoclonal Antibodies to the Cyanotoxin Anatoxin-a. <i>Angewandte Chemie</i> , 2019, 131, 9232-9237.	1.6	0
13	Highly sensitive monoclonal antibody-based immunoassays for the analysis of fluopyram in food samples. <i>Food Chemistry</i> , 2019, 288, 117-126.	4.2	19
14	Study of Epitope Imprinting for Small Templates: Preparation of NanoMIPs for Ochratoxin A. <i>ChemNanoMat</i> , 2019, 5, 651-657.	1.5	15
15	A unified approach to the synthesis of both enantiomers of anatoxin-a and homoanatoxin-a cyanotoxins. <i>Tetrahedron</i> , 2018, 74, 5022-5031.	1.0	6
16	Highly sensitive monoclonal antibody-based immunoassays for boscalid analysis in strawberries. <i>Food Chemistry</i> , 2018, 267, 2-9.	4.2	21
17	Combined heterologies for monoclonal antibody-based immunoanalysis of fluxapyroxad. <i>Analyst</i> , The, 2018, 143, 5718-5727.	1.7	10
18	Hapten Design and Antibody Generation for Immunoanalysis of Spirotetramat and Spirotetramat-enol. <i>ACS Omega</i> , 2018, 3, 11950-11957.	1.6	8

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19	Immunochemical rapid determination of quinoxifen, a priority hazardous pollutant. <i>Chemosphere</i> , 2018, 211, 302-307.	4.2	6
20	Rationally designed haptens for highly sensitive monoclonal antibody-based immunoanalysis of fenhexamid. <i>Analyst, The</i> , 2018, 143, 4057-4066.	1.7	10
21	Novel haptens and monoclonal antibodies with subnanomolar affinity for a classical analytical target, ochratoxin A. <i>Scientific Reports</i> , 2018, 8, 9761.	1.6	9
22	Protein-Free Hapten-Carbon Nanotube Constructs Induce the Secondary Immune Response. <i>Bioconjugate Chemistry</i> , 2017, 28, 1630-1638.	1.8	5
23	Fluxapyroxad Haptens and Antibodies for Highly Sensitive Immunoanalysis of Food Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9333-9341.	2.4	24
24	A class-selective immunoassay for simultaneous analysis of anilinopyrimidine fungicides using a rationally designed hapten. <i>Analyst, The</i> , 2017, 142, 3975-3985.	1.7	17
25	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.	1.3	3
26	Dispersive magnetic immunoaffinity extraction. Anatoxin-a determination. <i>Journal of Chromatography A</i> , 2017, 1529, 57-62.	1.8	19
27	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.	1.9	26
28	Fungicide multiresidue monitoring in international wines by immunoassays. <i>Food Chemistry</i> , 2016, 196, 1279-1286.	4.2	33
29	Off-line coupling of multidimensional immunoaffinity chromatography and ion mobility spectrometry: A promising partnership. <i>Journal of Chromatography A</i> , 2015, 1426, 110-117.	1.8	21
30	Monoclonal antibody-based immunoassays for cyprodinil residue analysis in QuEChERS-based fruit extracts. <i>Food Chemistry</i> , 2015, 187, 530-536.	4.2	19
31	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.	2.5	12
32	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.	1.9	45
33	Rational design of a fluopyram hapten and preparation of bioconjugates and antibodies for immunoanalysis. <i>RSC Advances</i> , 2015, 5, 51337-51341.	1.7	5
34	Moiety and linker site heterologies for highly sensitive immunoanalysis of cyprodinil in fermented alcoholic drinks. <i>Food Control</i> , 2015, 50, 393-400.	2.8	10
35	Ready Access to Proquinazid Haptens via Cross-Coupling Chemistry for Antibody Generation and Immunoassay Development. <i>PLoS ONE</i> , 2015, 10, e0134042.	1.1	5
36	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.	1.3	6

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37	Design and development of heterologous competitive immunoassays for the determination of boscalid residues. <i>Analyst, The</i> , 2014, 139, 3636-3644.	1.7	13
38	Haptens, bioconjugates, and antibodies for penthiopyrad immunosensing. <i>Analyst, The</i> , 2014, 139, 5358-5361.	1.7	7
39	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.	2.4	7
40	Immunoreagents and Competitive Assays to Fludioxonil. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2742-2744.	2.4	10
41	Immunoassays for trifloxystrobin analysis. Part I. Rational design of regioisomeric haptens and production of monoclonal antibodies. <i>Food Chemistry</i> , 2014, 152, 230-236.	4.2	14
42	Immunoassays for trifloxystrobin analysis. Part II. Assay development and application to residue determination in food. <i>Food Chemistry</i> , 2014, 162, 41-46.	4.2	11
43	Carbon nanotube-protein carriers enhance size-dependent self-adjuvant antibody response to haptens. <i>Journal of Controlled Release</i> , 2013, 170, 242-251.	4.8	42
44	Mepanipyrim haptens and antibodies with nanomolar affinity. <i>Analyst, The</i> , 2013, 138, 3360.	1.7	16
45	Structure-immunogenicity relationship of kresoxim-methyl regioisomeric haptens. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7361.	1.5	11
46	Immunoassays for pyraclostrobin analysis in processed food products using novel monoclonal antibodies and QuEChERS-based extracts. <i>Food Control</i> , 2013, 32, 42-48.	2.8	9
47	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.	5.3	83
48	General Diastereoselective Synthetic Approach toward Isospongian Diterpenes. Synthesis of (âˆ“)âˆ“)-Marginatafuran, (âˆ“)âˆ“)-Marginatone, and (âˆ“)âˆ“)-20-Acetoxy marginatone. <i>Journal of Organic Chemistry</i> , 2012, 77, 5664-5680.	1.7	19
49	Antibody generation and immunoassay development in diverse formats for pyrimethanil specific and sensitive analysis. <i>Analyst, The</i> , 2012, 137, 5672.	1.7	14
50	Immunoreagent Generation and Competitive Assay Development for Cyprodinil Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4803-4811.	2.4	12
51	Synthesis of azoxystrobin transformation products and selection of monoclonal antibodies for immunoassay development. <i>Toxicology Letters</i> , 2012, 210, 240-247.	0.4	16
52	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.	2.6	28
53	Development of competitive enzyme-linked immunosorbent assays for boscalid determination in fruit juices. <i>Food Chemistry</i> , 2012, 135, 276-284.	4.2	18
54	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.	2.8	19

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55	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.	1.9	12
56	Forchlorfenuron-mimicking haptens: from immunogen design to antibody characterization by hierarchical clustering analysis. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4863.	1.5	24
57	Synthesis of site-heterologous haptens for high-affinity anti-pyraclostrobin antibody generation. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1443.	1.5	36
58	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.	1.8	47
59	Exploring alternative hapten tethering sites for high-affinity anti-picoxystrobin antibody generation. <i>Analytical Biochemistry</i> , 2011, 416, 82-91.	1.1	12
60	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.	1.0	22
61	Vascular activity of a natural diterpene isolated from <i>Croton zambesicus</i> and of a structurally similar synthetic trachylobane. <i>Vascular Pharmacology</i> , 2010, 52, 63-69.	1.0	21
62	Preparation of Fluorinated Sesquiterpenic Drimanes and Evaluation of Their Antifeedant Activities. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2182-2198.	1.2	25
63	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.	2.6	52
64	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.	2.4	28
65	The Synthesis of Azadirachtin: A Potent Insect Antifeedant. <i>Chemistry - A European Journal</i> , 2008, 14, 10683-10704.	1.7	57
66	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.	2.4	20
67	Production and Characterization of Monoclonal Antibodies Specific to the Strobilurin Pesticide Pyraclostrobin. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7682-7690.	2.4	81
68	Production and Characterization of Monoclonal and Polyclonal Antibodies to Forchlorfenuron. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11122-11131.	2.4	24
69	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.	2.4	35
70	Vasorelaxant Activity of Diterpenes from <i>Croton zambesicus</i> and Synthetic Trachylobanes and Their Structure-Activity Relationships. <i>Journal of Natural Products</i> , 2007, 70, 910-917.	1.5	19
71	Diastereoselective synthesis of antiqorin and related polyoxygenated atisene-type diterpenes. <i>Tetrahedron</i> , 2007, 63, 1664-1679.	1.0	31
72	X-ray Structure of Fluorinated N-(2-Chloropyridin-4-yl)-N-phenylureas. Role of F Substitution in the Crystal Packing. <i>Crystal Growth and Design</i> , 2006, 6, 46-57.	1.4	36

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91	Stereoselective synthesis of (âˆ™)-metasequoic acid B. Journal of the Chemical Society Perkin Transactions 1, 1997, , 1837-1844.	0.9	14
92	Enantioselective Synthesis of Cuparane Sesquiterpenes. Synthesis of (âˆ™)-Cuparene and (âˆ™)-ÎŒ-Cuparenol. Journal of Organic Chemistry, 1996, 61, 5916-5919.	1.7	29
93	Podocarpane-to-spongian skeleton conversion. Synthesis of (+)-isoagatholactone and (â€“) -spongia-13(16),14-diene. Journal of the Chemical Society Perkin Transactions 1, 1996, , 2193-2199.	0.9	22
94	An Efficient Stereocontrolled Synthesis of (-)-Stypoldione. Synlett, 1996, 1996, 913-915.	1.0	7
95	Synthesis of Homochiral Phenanthrones from Carvone. Synlett, 1994, 1994, 733-735.	1.0	6
96	Studies on the Synthesis of Scoparic Acid A and Related Labdane Diterpenoids. Synthesis of (E)-6Î²-Hydroxyabda-8-(17),13-dien-15-oic Acid. Journal of Natural Products, 1993, 56, 2133-2141.	1.5	10
97	Synthesis of (-)-borjatriol. Journal of Organic Chemistry, 1992, 57, 50-54.	1.7	16
98	Spongian pentacyclic diterpenes. Stereoselective synthesis of (-)-dendrillol-1. Journal of Organic Chemistry, 1992, 57, 6861-6869.	1.7	33
99	Transformation of resin abietic acid into a pregnane-type steroid. Canadian Journal of Chemistry, 1991, 69, 379-382.	0.6	6
100	CONVERSION OF RESIN ACIDS INTO STEROIDAL COMPOUNDS. A REVIEW. Organic Preparations and Procedures International, 1991, 23, 321-356.	0.6	7
101	Synthesis of (âˆ™)-auricularic acid and its C-4 epimer the absolute configuration of auricularic acid. Tetrahedron, 1991, 47, 3829-3844.	1.0	15
102	First Synthetic Approach to Spongian Pentacyclic Diterpenoids. Enantioselective Synthesis of Dendrillol-1. Synlett, 1991, 1991, 789-791.	1.0	9
103	13C nuclear magnetic resonance spectra of several podocarpane and cassane diterpenoids. Magnetic Resonance in Chemistry, 1990, 28, 529-532.	1.1	5
104	Conversion of sandaracopimaric acid into an androstane analog steroid. Journal of Organic Chemistry, 1990, 55, 2369-2373.	1.7	16
105	Stereostructural revision of auricularic acid synthesis of 4-epi-auricularic acid. Tetrahedron Letters, 1989, 30, 4563-4564.	0.7	5
106	Chemistry of insect antifeedants from azadirachta indica (part 4): synthesis towards the limonoid azadirachtin; preparation of a functionalised decalin fragment. Tetrahedron, 1989, 45, 2143-2164.	1.0	34
107	Synthesis of (+)-ambreinolide from abietic acid. Journal of Organic Chemistry, 1989, 54, 5123-5125.	1.7	14
108	Chemistry of insect antifeedants from (part 2): Synthesis of a polyoxygenated decalin with limonoid structural homology.. Tetrahedron Letters, 1988, 29, 1853-1856.	0.7	22

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109	Conversion of dehydroabietic acid into 20-keto-C-aryl-18-norsteroids. Formation of the D ring. Journal of Organic Chemistry, 1988, 53, 3761-3765.	1.7	18
110	Formation of 1-hydroxycyclopropanecarbonitrile ring in bicyclic systems. Tetrahedron, 1986, 42, 2429-2434.	1.0	9
111	An approach to erythrophleum alkaloids. Synthesis of methyl (âˆš)-4-epi-cassamate. Tetrahedron Letters, 1986, 27, 3289-3292.	0.7	5
112	Synthesis of (+)-podocarp-8(14)-en-13-one and methyl-(+)-13-oxo-podocarp-8(14)-en-18-oate from abietic acid. Tetrahedron, 1985, 41, 4937-4940.	1.0	52
113	Selective Favorskii rearrangement of $\hat{1}\pm, \hat{1}\pm, \hat{1}\pm$ -dibromochlorocycloalkanones of medium ring size. Journal of the Chemical Society Perkin Transactions 1, 1983, , 2471-2474.	0.9	12
114	Selective favorskii rearrangement in macrocyclic rings. Tetrahedron Letters, 1981, 22, 1733-1736.	0.7	10