

Armando Albert

List of Publications by Year in descending order

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83
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3,359
citations

147801

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docs citations

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4222
citing authors

#	ARTICLE	IF	CITATIONS
1	PYL1- and PYL8-like ABA Receptors of <i>Nicotiana benthamiana</i> Play a Key Role in ABA Response in Seed and Vegetative Tissue. <i>Cells</i> , 2022, 11, 795.	4.1	5
2	Identification of ABA Receptor Using a Multiplexed Chemical Screening. <i>Methods in Molecular Biology</i> , 2021, 2213, 99-111.	0.9	1
3	Synaptotagmins at the endoplasmic reticulum-plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. <i>Plant Cell</i> , 2021, 33, 2431-2453.	6.6	41
4	The structure and flexibility analysis of the <i>Arabidopsis</i> synaptotagmin 1 reveal the basis of its regulation at membrane contact sites. <i>Life Science Alliance</i> , 2021, 4, e202101152.	2.8	9
5	It takes two to tango: Unraveling a new post-translational modification involved in SnRK2.6 activation. <i>Molecular Plant</i> , 2021, 14, 1779-1781.	8.3	0
6	Pharmacological Approaches for the Modulation of the Potassium Channel KV4.x and KChIPs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1419.	4.1	7
7	Recognition and Activation of the Plant AKT1 Potassium Channel by the Kinase CIPK23. <i>Plant Physiology</i> , 2020, 182, 2143-2153.	4.8	51
8	PYR/PYL/RCAR ABA receptors. <i>Advances in Botanical Research</i> , 2019, , 51-82.	1.1	23
9	Structure of Ligand-Bound Intermediates of Crop ABA Receptors Highlights PP2C as Necessary ABA Co-receptor. <i>Molecular Plant</i> , 2017, 10, 1250-1253.	8.3	49
10	Fully dedicated website for learning crystallography at Institute of Physical Chemistry Rocasolano. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C508-C508.	0.1	0
11	Calcium-dependent oligomerization of CAR proteins at cell membrane modulates ABA signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E396-405.	7.1	72
12	Molecular Recognition of PTS-1 Cargo Proteins by Pex5p: Implications for Protein Mistargeting in Primary Hyperoxaluria. <i>Biomolecules</i> , 2015, 5, 121-141.	4.0	14
13	The bacteriocin AS-48 requires dimer dissociation followed by hydrophobic interactions with the membrane for antibacterial activity. <i>Journal of Structural Biology</i> , 2015, 190, 162-172.	2.8	40
14	Structural basis of the regulatory mechanism of the plant CIPK family of protein kinases controlling ion homeostasis and abiotic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4532-41.	7.1	81
15	C2-Domain Abscisic Acid-Related Proteins Mediate the Interaction of PYR/PYL/RCAR Abscisic Acid Receptors with the Plasma Membrane and Regulate Abscisic Acid Sensitivity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 4802-4820.	6.6	127
16	The consensus-based approach for gene/enzyme replacement therapies and crystallization strategies: the case of human alanine-glyoxylate aminotransferase. <i>Biochemical Journal</i> , 2014, 462, 453-463.	3.7	30
17	Preliminary crystallographic analysis of the ankyrin-repeat domain of <i>Arabidopsis thaliana</i> AKT1: identification of the domain boundaries for protein crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 509-512.	0.8	3
18	Tomato PYR/PYL/RCAR abscisic acid receptors show high expression in root, differential sensitivity to the abscisic acid agonist quinabactin, and the capability to enhance plant drought resistance. <i>Journal of Experimental Botany</i> , 2014, 65, 4451-4464.	4.8	173

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19	A single mutation in the GSTe2 gene allows tracking of metabolically based insecticide resistance in a major malaria vector. <i>Genome Biology</i> , 2014, 15, R27.	9.6	267
20	Protein Homeostasis Defects of Alanine-Glyoxylate Aminotransferase: New Therapeutic Strategies in Primary Hyperoxaluria Type I. <i>BioMed Research International</i> , 2013, 2013, 1-15.	1.9	40
21	Structural Biology of a Major Signaling Network that Regulates Plant Abiotic Stress: The CBL-CIPK Mediated Pathway. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5734-5749.	4.1	79
22	The PYL4 A194T Mutant Uncovers a Key Role of PYR1-LIKE4/PROTEIN PHOSPHATASE 2CA Interaction for Abscisic Acid Signaling and Plant Drought Resistance. <i>Plant Physiology</i> , 2013, 163, 441-455.	4.8	150
23	The Role of Protein Denaturation Energetics and Molecular Chaperones in the Aggregation and Mistargeting of Mutants Causing Primary Hyperoxaluria Type I. <i>PLoS ONE</i> , 2013, 8, e71963.	2.5	48
24	Structural Insights on the Plant Salt-Overly-Sensitive 1 (SOS1) Na ⁺ /H ⁺ Antiporter. <i>Journal of Molecular Biology</i> , 2012, 424, 283-294.	4.2	49
25	The Structural Domains of <i>Pseudomonas aeruginosa</i> Phosphorylcholine Phosphatase Cooperate in Substrate Hydrolysis: 3D Structure and Enzymatic Mechanism. <i>Journal of Molecular Biology</i> , 2012, 423, 503-514.	4.2	6
26	An analysis of subdomain orientation, conformational change and disorder in relation to crystal packing of aspartic proteinases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 541-552.	2.5	7
27	The Structure of <i>Arabidopsis thaliana</i> OST1 Provides Insights into the Kinase Regulation Mechanism in Response to Osmotic Stress. <i>Journal of Molecular Biology</i> , 2011, 414, 135-144.	4.2	40
28	SnRK2.6/OST1 from <i>Arabidopsis thaliana</i> : cloning, expression, purification, crystallization and preliminary X-ray analysis of K50N and D160A mutants. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 364-368.	0.7	8
29	Crystallization and preliminary crystallographic analysis of a C2 protein from <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1575-1578.	0.7	1
30	Crystallization and preliminary X-ray diffraction analysis of <i>Pseudomonas aeruginosa</i> phosphorylcholine phosphatase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 957-960.	0.7	4
31	Structure of GroEL in Complex with an Early Folding Intermediate of Alanine Glyoxylate Aminotransferase. <i>Journal of Biological Chemistry</i> , 2010, 285, 6371-6376.	3.4	19
32	Crystallization and preliminary crystallographic analysis of merohedrally twinned crystals of MJ0729, a CBS-domain protein from <i>Methanococcus jannaschii</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 605-609.	0.7	6
33	The Structure of the C-Terminal Domain of the Protein Kinase AtSOS2 Bound to the Calcium Sensor AtSOS3. <i>Molecular Cell</i> , 2007, 26, 427-435.	9.7	123
34	The complex between SOS3 and SOS2 regulatory domain from <i>Arabidopsis thaliana</i> : cloning, expression, purification, crystallization and preliminary X-ray analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 568-570.	0.7	4
35	Cell Signaling and Function Organized by PB1 Domain Interactions. <i>Molecular Cell</i> , 2006, 23, 631-640.	9.7	177
36	Structural Basis for Membrane Anchorage of Viral Ψ 29 DNA during Replication*. <i>Journal of Biological Chemistry</i> , 2005, 280, 42486-42488.	3.4	9

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37	Structure of the Functional Domain of Ψ 29 Replication Organizer. <i>Journal of Biological Chemistry</i> , 2005, 280, 20730-20739.	3.4	8
38	The Structure of the <i>Arabidopsis thaliana</i> SOS3: Molecular Mechanism of Sensing Calcium for Salt Stress Response. <i>Journal of Molecular Biology</i> , 2005, 345, 1253-1264.	4.2	166
39	Functional Characterization of the Yeast Ppz1 Phosphatase Inhibitory Subunit Hal3. <i>Journal of Biological Chemistry</i> , 2004, 279, 42619-42627.	3.4	32
40	Structure of concanavalin A at pH 8: bound solvent and crystal contacts. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 1048-1056.	2.5	6
41	SOS3 (salt overly sensitive 3) from <i>Arabidopsis thaliana</i> : expression, purification, crystallization and preliminary X-ray analysis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 1272-1274.	2.5	7
42	Peptide AS-48: Prototype of a New Class of Cyclic Bacteriocins. <i>Current Protein and Peptide Science</i> , 2004, 5, 399-416.	1.4	169
43	Structural Basis for Selective Recognition of Pneumococcal Cell Wall by Modular Endolysin from Phage Cp-1. <i>Structure</i> , 2003, 11, 1239-1249.	3.3	149
44	Structure of Bacteriocin AS-48: From Soluble State to Membrane Bound State. <i>Journal of Molecular Biology</i> , 2003, 334, 541-549.	4.2	92
45	TrwD, the Hexameric Traffic ATPase Encoded by Plasmid R388, Induces Membrane Destabilization and Hemifusion of Lipid Vesicles. <i>Journal of Bacteriology</i> , 2002, 184, 1661-1668.	2.2	23
46	Structural Enzymology of Li ⁺ -sensitive/Mg ²⁺ -dependent Phosphatases. <i>Journal of Molecular Biology</i> , 2002, 320, 1087-1094.	4.2	33
47	Crystallization and preliminary X-ray diffraction studies of the complete modular endolysin from Cp-1, a phage infecting <i>Streptococcus pneumoniae</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1487-1489.	2.5	2
48	The X-ray structure of the FMN-binding protein AtHal3 provides the structural basis for the activity of a regulatory subunit involved in signal transduction. <i>Structure</i> , 2000, 8, 961-969.	3.3	42
49	X-ray structure of yeast hal2p, a major target of lithium and sodium toxicity, and identification of framework interactions determining cation sensitivity. <i>Journal of Molecular Biology</i> , 2000, 295, 927-938.	4.2	66
50	Making the most of commercial sparse-matrix protein crystallization screening kits. <i>Journal of Applied Crystallography</i> , 1999, 32, 336-338.	4.5	4
51	A six-stranded double-psi β^2 barrel is shared by several protein superfamilies. <i>Structure</i> , 1999, 7, 227-236.	3.3	113
52	Crystal structure of aspartate decarboxylase at 2.2 Å... resolution provides evidence for an ester in protein self-processing. <i>Nature Structural Biology</i> , 1998, 5, 289-293.	9.7	89
53	The Aspartic Proteinases. <i>Advances in Experimental Medicine and Biology</i> , 1998, , 1-13.	1.6	17
54	Protein Engineering Aspartic Proteinases. <i>Advances in Experimental Medicine and Biology</i> , 1998, , 169-177.	1.6	4

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55	A study on the scope of the photochemical ring contraction of substituted 2-amino-3-cyano-4H-pyrans to cyclobutenes: crystal structure of 3-carbamoyl-3-cyano-1-ethoxycarbonyl-4-isopropyl-2-phenylcyclobutene. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 3401-3406.	0.9	13
56	Tetrafluoro and dichloro derivatives of thiophene-fused DCNQI- and TCNQ-type acceptors: a synthetic, electrochemical and crystallographic study. <i>Journal of Materials Chemistry</i> , 1997, 7, 25-29.	6.7	4
57	Diethyl 2-Benzimidazol-1-ylsuccinateâ€“Picric Acid (1/1) â€“ An Inclusion Molecular Complex. <i>Acta Crystallographica Section B: Structural Science</i> , 1997, 53, 961-967.	1.8	51
58	Synthesis, Characterization, and Theoretical Study of Sulfur-Containing Donorâ€“Acceptor DCNQI Derivatives with Photoinduced Intramolecular Electron Transfer. <i>Journal of Organic Chemistry</i> , 1996, 61, 3041-3054.	3.2	21
59	Protein engineering loops in aspartic proteinases: site-directed mutagenesis, biochemical characterization and X-ray analysis of chymosin with a replaced loop from rhizopuspepsin. <i>Protein Engineering, Design and Selection</i> , 1996, 9, 885-893.	2.1	9
60	Synthesis and X-ray structure of 1,4-bis[4-(N,N-dimethylamino)phenyl]buta-1,3-diyne: charge-transfer complex with acceptors. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 541-543.	0.9	16
61	First asymmetric synthesis of 3-alkoxycarbonyl-2-amino-4-aryl-1,2-naphtho[1,2-b]pyrans. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 27-31.	2.6	24
62	New Synthetic Route to of 1,2,4-Thiadiazolines and 1,3-Thiazolines via Thiadiazolopyridinium Salts. <i>Heterocycles</i> , 1996, 43, 2657.	0.7	10
63	Asymmetric synthesis of 4-alkyl-3,5-dialkoxycarbonyl-2,6-dimethyl-1,4-dihydropyridines. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 877-880.	1.8	10
64	Tricyanovinylthiophenes as novel electron acceptors for organic metals. <i>Journal of Materials Chemistry</i> , 1995, 5, 1141-1145.	6.7	5
65	Development of methods for the synthesis of chiral, highly functionalized 2-amino-4-aryl-4H-pyrans. <i>Tetrahedron</i> , 1994, 50, 3509-3528.	1.9	45
66	Asymmetric synthesis of 3-alkoxycarbonyl-2-amino-5-cyano-4,6-diphenyl-4H-pyrans. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1435-1438.	1.8	13
67	Single-Component Donor-Acceptor Organic Semiconductors Derived from TCNQ. <i>Journal of Organic Chemistry</i> , 1994, 59, 4618-4629.	3.2	47
68	Michael Addition of Malononitrile to $\hat{\pm}$ -Acetylcinnamamides. <i>Liebigs Annalen Der Chemie</i> , 1993, 1993, 801-804.	0.8	30
69	7,7-Diphenylnorbornane: The first cofacial diphenylmethane derivative. <i>Tetrahedron Letters</i> , 1993, 34, 6753-6756.	1.4	13
70	Michael addition of malononitrile to chiral $\hat{\pm}$ -acylacrylates. <i>Tetrahedron</i> , 1993, 49, 7133-7144.	1.9	23
71	Novel molecules for the design of organic conductors. Synthesis of 7,7,8,8-tetracyano-2,5-bis(3-phenylpropyl)-p-quinodimethane and N,Nâ€“2-dicyano-2,5-bis(3-phenylpropyl)-p-quinodiimine and X-ray structure of the TCNQ derivative. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 2363-2368.	0.9	8
72	A novel molecule for the design of organic conductors: 2,5-Bis(3-phenylpropyl)-7,7,8,8-tetracyano-p-quinodimethane. <i>Synthetic Metals</i> , 1993, 56, 1730-1734.	3.9	4

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73	Reactivity of cinnamitriles with 2-cyano- and 2-ethoxycarbonylaceto-hydrazides: a novel one-step preparation and crystal structure of 3-oxopyrazolo [3,4-b]pyridines. Journal of the Chemical Society Perkin Transactions 1, 1993, , 1743-1748.	0.9	3
74	Novel .pi.-extended thiophene-fused electron acceptors for organic metals. Journal of Organic Chemistry, 1992, 57, 6192-6198.	3.2	58
75	Synthesis, and structural, conformational and pharmacological studies of new fentanyl derivatives of the norgranatane system. Journal of the Chemical Society Perkin Transactions II, 1992, , 687-695.	0.9	10
76	Synthese, electrochemical properties and crystal structure of tetracyano-p-quinodimethane (TCNQ) derivatives with I€-extended systems containing a sulfur atom. Synthetic Metals, 1992, 48, 59-64.	3.9	11
77	Synthesis, electrochemistry, and crystal structure of N,N'-dicyanoquinonediimine (DCNQI) derivatives containing fused benzene rings. Journal of Organic Chemistry, 1992, 57, 5726-5730.	3.2	24
78	A novel bridgehead azocine. The end of a controversy.. Tetrahedron, 1992, 48, 1581-1584.	1.9	13
79	The first asymmetric synthesis of polyfunctionalized 4H-pyrans via Michael addition of malononitrile to 2-acyl acrylates. Tetrahedron Letters, 1992, 33, 3809-3812.	1.4	24
80	Synthesis and crystal structure of piperidinium 2â€ryl[1,2,4]triazolo[1,5â€i>a</i>]pyridinides and their neutralization to 2â€ryl[1,2,4]triazolo[1,5â€i>a</i>]pyridines. Journal of Heterocyclic Chemistry, 1992, 29, 1229-1235.	2.6	19
81	The first asymmetric synthesis of polyfunctionalized 4H-pyrans via Michael addition of malononitrile to 2-acryl acrylates. Tetrahedron Letters, 1992, 33, 3809-3812.	1.4	46
82	Specific interaction of histone H1 with eukaryotic DNA. Nucleic Acids Research, 1981, 9, 1383-1394.	14.5	13
83	Structure-Based Modulation of the Ligand Sensitivity of a Tomato Dimeric Abscisic Acid Receptor Through a Glu to Asp Mutation in the Latch Loop. Frontiers in Plant Science, 0, 13, .	3.6	2