

Andres F Olea

List of Publications by Year in descending order

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88
all docs

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docs citations

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times ranked

1499
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence studies of the conformational changes of poly(methacrylic acid) with pH. <i>Macromolecules</i> , 1989, 22, 1165-1169.	4.8	128
2	Factors governing the efficiency of singlet oxygen production during oxygen quenching of singlet and triplet states of anthracene derivatives in cyclohexane solution. <i>Journal of the American Chemical Society</i> , 1993, 115, 12144-12151.	13.7	83
3	Rate constants for reactions in viscous media: correlation between the viscosity of the solvent and the rate constant of the diffusion-controlled reactions. <i>Journal of the American Chemical Society</i> , 1988, 110, 4494-4502.	13.7	80
4	Association of cationic surfactants to humic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 278, 241-245.	4.7	52
5	Antifungal Activity of Eugenol Derivatives against <i>Botrytis Cinerea</i> . <i>Molecules</i> , 2019, 24, 1239.	3.8	52
6	QUENCHING OF TRIPLET BENZOPHENONE BY VITAMINS E and C and BY SULFUR CONTAINING AMINO ACIDS and PEPTIDES. <i>Photochemistry and Photobiology</i> , 1985, 42, 347-352.	2.5	50
7	NATURAL COMPOUNDS: A SUSTAINABLE ALTERNATIVE TO THE PHYTOPATHOGENS CONTROL. <i>Journal of the Chilean Chemical Society</i> , 2019, 64, 4459-4465.	1.2	49
8	Plant Growth-Defense Trade-Offs: Molecular Processes Leading to Physiological Changes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 693.	4.1	39
9	Solvent effects on the photophysical properties of 9,10-dicyanoanthracene. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 161-167.	2.8	36
10	Intrazeolite photochemistry. 5. Use of zeolites in the control of photostationary ratios in sensitized cis-trans isomerizations. <i>Journal of Organic Chemistry</i> , 1989, 54, 259-261.	3.2	35
11	Solubilization of Phenols by Intramolecular Micelles Formed by Copolymers of Maleic Acid and Olefins. <i>Macromolecules</i> , 2002, 35, 1049-1053.	4.8	31
12	Association of alcohol with cationic micelles. <i>Langmuir</i> , 1992, 8, 23-26.	3.5	28
13	Surface activity of alcohols ethoxylates at the n-heptane/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 307, 28-34.	4.7	27
14	Cytotoxic and apoptotic effects of leptocarpin, a plant-derived sesquiterpene lactone, on human cancer cell lines. <i>Chemico-Biological Interactions</i> , 2015, 242, 415-421.	4.0	27
15	Study on the Cytotoxic Activity of Drimane Sesquiterpenes and Nordrimane Compounds against Cancer Cell Lines. <i>Molecules</i> , 2014, 19, 18993-19006.	3.8	26
16	Effect of Polymer Micelles on Antifungal Activity of Geranylgercinol Compounds against <i>Botrytis cinerea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6890-6896.	5.2	25
17	Solubilization of phenols in surfactant/polyelectrolyte systems. <i>Journal of Colloid and Interface Science</i> , 2003, 268, 63-67.	9.4	24
18	Study of aqueous tetradecyltrimethylammonium bromide-Brij 35 solutions by ion activity measurements. <i>Langmuir</i> , 1989, 5, 753-757.	3.5	23

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19	Effect of the Molecular Weight on the Dynamics of the Conformational Transition of Poly(methacrylic acid). <i>Macromolecules</i> , 1999, 32, 8077-8083.	4.8	23
20	Copolymerization of Maleic Anhydride with Styrene and α -Olefins. Molecular and Thermal Characterization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 1063-1072.	2.2	20
21	Effect of Hydrophobic Bonding on the Conformational Transition and Properties of Intramolecular Micelles Formed by Copolymers of Maleic Acid and Styrene. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9306-9313.	2.6	19
22	SOLUBILIZATION OF P-ALKYLPHENOLS IN PLURONICS F-68 AND F-127 MICELLES: PARTITION COEFFICIENTS AND EFFECT OF SOLUTE ON THE AGGREGATE STRUCTURE. <i>Journal of the Chilean Chemical Society</i> , 2014, 59, 2451-2454.	1.2	19
23	Enhanced light-induced hydrogen evolution reaction by supramolecular systems of cobalt(II) and copper(II) octaethylporphyrins on glassy carbon electrodes. <i>Electrochimica Acta</i> , 2017, 258, 850-857.	5.2	19
24	Solubilization of alkylpyridinium ions in cationic micelles: effect of the electrostatic repulsion. <i>Langmuir</i> , 1993, 9, 2066-2070.	3.5	18
25	Synthesis of Five Known Brassinosteroid Analogs from Hyodeoxycholic Acid and Their Activities as Plant-Growth Regulators. <i>International Journal of Molecular Sciences</i> , 2017, 18, 516.	4.1	18
26	Effect of drimenol and synthetic derivatives on growth and germination of <i>Botrytis cinerea</i> : Evaluation of possible mechanism of action. <i>Pesticide Biochemistry and Physiology</i> , 2017, 141, 50-56.	3.6	17
27	Synthesis of Linear Geranylphenols and Their Effect on Mycelial Growth of Plant Pathogen <i>Botrytis cinerea</i> . <i>Molecules</i> , 2014, 19, 1512-1526.	3.8	16
28	Solubilization of p-nitrophenol in aggregates formed by hydrophobically modified polyelectrolytes. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 434-438.	9.4	15
29	Immobilization of rhodamine 6G in calcium alginate microcapsules based on aromatic π -aromatic interactions with poly(sodium 4-styrenesulfonate). <i>Reactive and Functional Polymers</i> , 2014, 81, 14-21.	4.1	15
30	Self-association of 5,10,15,20-tetrakis-(4-sulfonatophenyl)-porphyrin tuned by poly(decylviologen) and sulfobutylether- β -cyclodextrin. <i>Dyes and Pigments</i> , 2015, 112, 262-273.	3.7	15
31	Antifungal Effect of Polygodial on <i>Botrytis cinerea</i> , a Fungal Pathogen Affecting Table Grapes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2251.	4.1	15
32	Synergism in mixtures of cationic surfactant and anionic copolymers. <i>Journal of Colloid and Interface Science</i> , 2003, 257, 321-326.	9.4	14
33	HYDROPHOBICALLY MODIFIED POLYELECTROLYTES AS POTENTIAL DRUGS RESERVOIRS OF N-ALKYL-NITROIMIDAZOLES. <i>Journal of the Chilean Chemical Society</i> , 2007, 52, .	1.2	14
34	Synergistic Effect of Cationic Surfactant on Surface Properties of Anionic Copolymers of Maleic Acid and Styrene. <i>Langmuir</i> , 2000, 16, 6884-6890.	3.5	13
35	Counterion and composition effects on discotic nematic lyotropic liquid crystals. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 126-131.	9.4	12
36	Biological Activities and Molecular Docking of Brassinosteroids 24-Norcholane Type Analogs. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1832.	4.1	12

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37	Assessing the Control of Postharvest Gray Mold Disease on Tomato Fruit Using Mixtures of Essential Oils and Their Respective Hydrolates. <i>Plants</i> , 2021, 10, 1719.	3.5	12
38	Formation and Morphology of Reverse Micelles Formed by Nonionic Surfactants in "Dry" Organic Solvents. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 774-780.	2.1	12
39	Thermodynamic and Kinetic Study of the Interaction between Alkylpyridinium Ions and Pyrene Derivatives in Aqueous Solution. <i>Photochemistry and Photobiology</i> , 1997, 66, 802-809.	2.5	11
40	n-Hexanol association in cyclohexane studied by NMR and NIR spectroscopies. <i>Journal of Molecular Liquids</i> , 2014, 199, 301-308.	4.9	11
41	Water-Induced Phase Transition in Cyclohexane/n-Hexanol/Triton X-100 Mixtures at a Molar Composition of 1/16/74 Studied by NMR. <i>Journal of Physical Chemistry B</i> , 2017, 121, 876-882.	2.6	11
42	PHOTOINTERACTION OF BENZOPHENONE TRIPLET WITH LYSOZYME. <i>Photochemistry and Photobiology</i> , 1989, 49, 557-563.	2.5	10
43	Adsorption of hydrophobically modified polyelectrolytes at the <i>n</i> -octane/water interface. <i>Journal of Colloid and Interface Science</i> , 2003, 261, 559-564.	9.4	10
44	Structure and Aggregation Number of a Lyotropic Liquid Crystal: A Fluorescence Quenching and Molecular Dynamics Study. <i>Langmuir</i> , 2004, 20, 5703-5708.	3.5	10
45	Photochemistry of aliphatic aldehydes. <i>Journal of Photochemistry and Photobiology</i> , 1980, 14, 233-244.	0.6	9
46	Hydrogen abstraction from substituted aromatic compounds. <i>International Journal of Chemical Kinetics</i> , 1985, 17, 265-269.	1.6	9
47	Probing solubilization sites in block copolymer micelles using fluorescence quenching. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 49-54.	3.9	9
48	Synthesis of functional poly(styrene)- <i>b</i> -poly(methyl methacrylate/methacrylic acid) by homogeneous reverse atom transfer radical polymerization: Spherical nanoparticles, thermal behavior, self-aggregation, and morphological properties. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2076-2085.	2.6	9
49	Synthesis and in Vitro Antifungal Activity against <i>Botrytis cinerea</i> of Geranylated Phenols and Their Phenyl Acetate Derivatives. <i>International Journal of Molecular Sciences</i> , 2015, 16, 19130-19152.	4.1	9
50	Synthesis of 2-Deoxybrassinosteroids Analogs with 24-nor, 22(S)-23-Dihydroxy-Type Side Chains from Hyodeoxycholic Acid. <i>Molecules</i> , 2018, 23, 1306.	3.8	9
51	Deactivation of excited singlet aromatic hydrocarbons by metallic ions in ethanol-water solution. <i>Journal of Photochemistry and Photobiology</i> , 1987, 36, 177-184.	0.6	8
52	Reactivity of tert-butoxy radicals towards thiols, alkyl sulfides, and alkyl disulfides. <i>International Journal of Chemical Kinetics</i> , 1989, 21, 245-250.	1.6	8
53	Aggregation of Alcohols Ethoxylates in <i>n</i> -Heptane. <i>Journal of Surfactants and Detergents</i> , 2009, 12, 231-236.	2.1	8
54	Synthesis and In Vitro Growth Inhibition of 2-Allylphenol Derivatives Against <i>Phytophthora cinnamomi</i> Rands. <i>Molecules</i> , 2019, 24, 4196.	3.8	8

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55	Exogenous Application of Brassinosteroid 24-Norcholane 22(S)-23-Dihydroxy Type Analogs to Enhance Water Deficit Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1158.	4.1	8
56	Reactivity of tert-butoxyl radicals towards substituted indole derivatives. <i>International Journal of Chemical Kinetics</i> , 1991, 23, 761-766.	1.6	7
57	Mantle defensive response of marine pulmonate <i>Trimusculus peruvianus</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 376, 43-47.	1.5	7
58	Study of the size and morphology of aggregates formed by pentaethylene glycol monoethyl ether (C8EO5) in n-heptane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 398, 17-23.	4.7	7
59	ELECTRICAL CONDUCTIVITY OF HYDROPHOBICALLY MODIFIED POLYELECTROLYTES IN METHANOL/WATER SOLUTION. <i>Journal of the Chilean Chemical Society</i> , 2003, 48, .	1.2	7
60	Quenching of Excited States of Aromatic Hydrocarbons and their Derivatives by Oxygen. <i>Journal of the Brazilian Chemical Society</i> , 1995, 6, 211-220.	0.6	7
61	Structural Modifications of Deoxycholic Acid to Obtain Three Known Brassinosteroid Analogues and Full NMR Spectroscopic Characterization. <i>Molecules</i> , 2016, 21, 1139.	3.8	6
62	In vitro modulation of <i>Drimys winteri</i> bark extract and the active compound polygodial on <i>Salmo salar</i> immune genes after exposure to <i>Saprolegnia parasitica</i> . <i>Fish and Shellfish Immunology</i> , 2016, 59, 103-108.	3.6	6
63	In Vitro Antifungal Activity of New and Known Geranylated Phenols against <i>Phytophthora cinnamomi</i> Rands. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1601.	4.1	6
64	Synthesis and Structural Determination of New Brassinosteroid 24-Nor-5 β -Cholane Type Analogs. <i>Molecules</i> , 2019, 24, 4612.	3.8	6
65	Variations in efficiencies of triplet state and exciplex formation following fluorescence quenching of 9,10-dicyanoanthracene due to charge transfer interactions. This paper is dedicated to Professor Jean Kossanyi on the event of his 70th birthday.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 212.	2.9	5
66	A theoretical chemistry-based strategy for the rational design of new luminescent lanthanide complexes: an approach from a multireference SOC-NEVPT2 method. <i>Dalton Transactions</i> , 2021, 50, 13561-13571.	3.3	5
67	Quenching of excited pyrene bound to cetyltrimethylammonium micelles by inorganic cations. <i>Langmuir</i> , 1986, 2, 216-218.	3.5	4
68	SELF-ASSEMBLY OF TRIBLOCK COPOLYMERS IN AQUEOUS SOLUTION. <i>Journal of the Chilean Chemical Society</i> , 2008, 53, .	1.2	4
69	Aggregation of alcohol ethoxylates (C ₁₂ EO ₈) in dibutoxymethane and surface activity at the water/dibutoxymethane interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 211-216.	4.7	4
70	Stability of Water/Poly(ethylene oxide) ₄₃ -b-poly(ϵ -caprolactone) ₁₄ /Cyclohexanone Emulsions Involves Water Exchange between the Core and the Bulk. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15929-15937.	2.6	4
71	Synthesis of New Hydrated Geranylphenols and in Vitro Antifungal Activity against <i>Botrytis cinerea</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 840.	4.1	4
72	Synthesis of New Brassinosteroid 24-Norcholane Type Analogs Conjugated in C-3 with Benzoate Groups. <i>Molecules</i> , 2021, 26, 1173.	3.8	4

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73	MONOESTERIFICATION OF STYRENE-MALEIC ANHYDRIDE COPOLYMERS WITH ALIPHATIC ALCOHOLS. Journal of the Chilean Chemical Society, 2001, 46, .	0.1	4
74	The photochemistry of 4,7-undecanedione: evidence of electronic energy migration. Journal of Photochemistry and Photobiology, 1978, 9, 69-72.	0.6	3
75	Synthesis of New Steroidal Carbamates with Plant-Growth-Promoting Activity: Theoretical and Experimental Evidence. International Journal of Molecular Sciences, 2021, 22, 2330.	4.1	3
76	Synthesis and Biological Activity of New Brassinosteroid Analogs of Type 24-Nor-5 β -Cholane and 23-Benzoate Function in the Side Chain. International Journal of Molecular Sciences, 2021, 22, 4808.	4.1	3
77	Triplet benzophenone deactivation by .alpha.-naphthyl methacrylate-methyl methacrylate copolymers. Macromolecules, 1984, 17, 2261-2263.	4.8	2
78	Solubilization of phenols by multimolecular aggregates formed by low molecular weight hyperbranched polyglycidol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 526, 1-7.	4.7	2
79	Epimeric Mixtures of Brassinosteroid Analogs: Synthesis, Plant Growth, and Germination Effects in Tomato (<i>Lycopersicon esculentum</i> Mill.). Agronomy, 2020, 10, 808.	3.0	2
80	Secondary Metabolites Isolated from Chilean Marine Algae: A Review. Marine Drugs, 2022, 20, 337.	4.6	2
81	Solubilization of Phenol Derivatives in Polymer Micelles Formed by Cationic Block Copolymer. Journal of Nanomaterials, 2017, 2017, 1-8.	2.7	1
82	Genome Sequence of <i>Pseudomonas</i> sp. Strain AN3A02, Isolated from Rhizosphere of <i>Deschampsia antarctica</i> Desv., with Antagonism against <i>Botrytis cinerea</i> . Microbiology Resource Announcements, 2020, 9, .	0.6	1
83	ENHANCEMENT OF CYTOTOXIC ACTIVITY BY ENCAPSULATION IN PLURONIC POLYMER MICELLES: LEPTOCARPHA RIVULARIS EXTRACTS AGAINST HUMAN CANCER CELL LINES. Journal of the Chilean Chemical Society, 2019, 64, 4437-4440.	1.2	1
84	Phytochemical Profiling and Assessment of Anticancer Activity of <i>Leptocarpha rivularis</i> Extracts Obtained from In Vitro Cultures. Plants, 2022, 11, 546.	3.5	1
85	Counterion and composition effects on discotic nematic lyotropic liquid crystals. Journal of Colloid and Interface Science, 2007, 316, 120-125.	9.4	0
86	Synthesis and Fungicidal Activity of Hydrated Geranylated Phenols against <i>Botrytis cinerea</i> . Molecules, 2021, 26, 6815.	3.8	0