

# Maria Sandra Churio

## List of Publications by Year in descending order

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36  
papers

1,011  
citations

471509

17  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

970  
citing authors

#	ARTICLE	IF	CITATIONS
1	The photoprotector mechanism of mycosporine-like amino acids. Excited-state properties and photostability of porphyra-334 in aqueous solution. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 56, 139-144.	3.8	213
2	The deactivation pathways of the excited-states of the mycosporine-like amino acids shinorine and porphyra-334 in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 960.	2.9	140
3	Experimental study of the excited-state properties and photostability of the mycosporine-like amino acid palythine in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 669.	2.9	76
4	Photochemical energy storage and volume changes in the microsecond time range in bacterial photosynthesis – a laser induced optoacoustic study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1994, 23, 79-85.	3.8	66
5	Bacterioruberin extracts from a genetically modified hyperpigmented <i>Haloferax volcanii</i> strain: antioxidant activity and bioactive properties on sperm cells. <i>Journal of Applied Microbiology</i> , 2019, 126, 796-810.	3.1	47
6	UVB Photoprotective Role of Mycosporines in Yeast: Photostability and Antioxidant Activity of Mycosporine-Glutaminol-Glucoside. <i>Radiation Research</i> , 2011, 175, 44-50.	1.5	43
7	Cannabinoids: Extraction Methods, Analysis, and Physicochemical Characterization. <i>Studies in Natural Products Chemistry</i> , 2019, 61, 143-173.	1.8	37
8	Antioxidant activity of gadusol and occurrence in fish roes from Argentine Sea. <i>Food Chemistry</i> , 2010, 119, 586-591.	8.2	34
9	Primary Quantum Yield and Volume Change of Phytochrome-A Phototransformation Determined by Laser-Induced Optoacoustic Spectroscopy. <i>Photochemistry and Photobiology</i> , 1996, 63, 719-725.	2.5	32
10	In Vitro cis–trans Photoisomerization of Palythene and Usujirene. Implications on the In Vivo Transformation of Mycosporine-like Amino Acids. <i>Photochemistry and Photobiology</i> , 2003, 77, 146.	2.5	31
11	Photocatalytic air oxidation of cyclohexane in CH <sub>2</sub> Cl <sub>2</sub> –C <sub>6</sub> H <sub>12</sub> mixtures over TiO <sub>2</sub> particles. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 29-35.	4.8	29
12	Computational Exploration of the Photoprotective Potential of Gadusol. <i>ChemistryOpen</i> , 2015, 4, 155-160.	1.9	26
13	On the yield of intermediates formed in the photoreduction of benzophenone. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 99, 51-56.	3.9	24
14	Photophysics and reductive quenching reactivity of gadusol in solution. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 133-142.	2.9	23
15	Confocal Raman spectroscopy: In vivo biochemical changes in the human skin by topical formulations under UV radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 51-58.	3.8	23
16	Photochemistry and photophysics of mycosporine-like amino acids and gadusols, nature's ultraviolet screens. <i>Pure and Applied Chemistry</i> , 2015, 87, 979-996.	1.9	21
17	Mycosporine-like amino acid content in the sea anemones <i>Aulactinia marplatensis</i> , <i>Oulactis muscosa</i> and <i>Anthothoe chilensis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 156, 216-221.	1.6	18
18	Mechanism of chlorine dioxide photodissociation in condensed media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 101, 105-111.	3.9	17

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19	Two choices for the functionalization of silica nanoparticles with gallic acid: characterization of the nanomaterials and their antimicrobial activity against <i>Paenibacillus</i> larvae. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	16
20	Reaction volume and reaction enthalpy upon aqueous peroxodisulfate dissociation: $S_2O_8^{2-} \rightarrow 2SO_4^{\bullet-}$ . <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2383-2387.	2.8	15
21	Chemical characterization and antimicrobial activity against <i>Paenibacillus</i> larvae of propolis from Buenos Aires province, Argentina. <i>Journal of Apicultural Research</i> , 2019, 58, 626-638.	1.5	13
22	Criteria for selecting cure cycles in autoclave processing of graphite/epoxy composites. <i>Polymer Engineering and Science</i> , 1990, 30, 1140-1145.	3.1	11
23	Valorization of hop leaves for development of eco-friendly bee pesticides. <i>Apidologie</i> , 2021, 52, 186-198.	2.0	9
24	Nanomaterials and natural products for UV-photoprotection. , 2016, , 359-392.		8
25	Photophysicochemical characterization of mycosporine-like amino acids in micellar solutions. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1117-1125.	2.9	6
26	Anthelmintic activity of glibenclamide on secondary cystic echinococcosis in mice. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006111.	3.0	6
27	Application of photoacoustic calorimetry to the determination of volume changes in reactions involving radical anions in aqueous solutions Dedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 754.	2.9	5
28	Early instability of MIL-125-NH <sub>2</sub> in aqueous solution and mediation of the visible photogeneration of an NADH cofactor. <i>New Journal of Chemistry</i> , 2021, 45, 10277-10286.	2.8	5
29	The effect of diet on <i>Apis mellifera</i> larval susceptibility to <i>Paenibacillus</i> larvae. <i>Journal of Apicultural Research</i> , 2020, 59, 817-824.	1.5	4
30	Electrochemical Characterization of the Marine Antioxidant Gadusol. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	3
31	Influence of mycosporine-like amino acids and gadusol on the rheology and Raman spectroscopy of polymer gels. <i>Biorheology</i> , 2014, 51, 315-328.	0.4	3
32	Photochemistry and Photophysics of Shinorine Dimethyl Ester. <i>Photochemistry and Photobiology</i> , 2018, 94, 829-833.	2.5	2
33	Sensitized photo-oxidation of gadusol species mediated by singlet oxygen. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 213, 112078.	3.8	2
34	Determination of differential quantum yields in solution by electron paramagnetic resonance spectroscopy. <i>Applied Magnetic Resonance</i> , 2002, 22, 115-131.	1.2	1
35	Medicinal cannabis: Pharmaceutical forms and recent analytical methodologies. <i>Comprehensive Analytical Chemistry</i> , 2020, , 31-63.	1.3	1
36	A time-resolved photoacoustic calorimetry study for the determination of the partial volume and formation enthalpy of the $SO_3^{\bullet-}$ aqueous radical. <i>Chemical Physics Letters</i> , 2008, 463, 78-83.	2.6	0