

# Francisco Cruz-Sosa

## List of Publications by Year in descending order

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65  
papers

1,289  
citations

471061

17  
h-index

414034

32  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gum Arabicâ~Chitosan Complex Coacervation. <i>Biomacromolecules</i> , 2007, 8, 1313-1318.	2.6	137
2	<i>Prosopis laevigata</i> a potential chromium (VI) and cadmium (II) hyperaccumulator desert plant. <i>Bioresource Technology</i> , 2010, 101, 5862-5867.	4.8	112
3	Pre-selection of protective colloids for enhanced viability of <i>Bifidobacterium bifidum</i> following spray-drying and storage, and evaluation of aguamiel as thermoprotective prebiotic. <i>Food Research International</i> , 2007, 40, 1299-1306.	2.9	70
4	Extraction of phenolic compounds from <i>Satureja macrostema</i> using microwave-ultrasound assisted and reflux methods and evaluation of their antioxidant activity and cytotoxicity. <i>Industrial Crops and Products</i> , 2017, 103, 213-221.	2.5	70
5	In vitro evaluation of germination and growth of five plant species on medium supplemented with hydrocarbons associated with contaminated soils. <i>Bioresource Technology</i> , 2008, 99, 6379-6385.	4.8	58
6	Mesquite gum: fractionation and characterization of the gum exuded from <i>Prosopis laevigata</i> obtained from plant tissue culture and from wild trees. <i>Carbohydrate Polymers</i> , 2003, 54, 327-333.	5.1	53
7	Application and evaluation of mesquite gum and its fractions as interfacial film formers and emulsifiers of orange peel-oil. <i>Food Hydrocolloids</i> , 2009, 23, 708-713.	5.6	47
8	Phenylpropanoid production in callus and cell suspension cultures of <i>Buddleja cordata</i> Kunth. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 97, 39-47.	1.2	39
9	Production of Dihydroxylated Betalains and Dopamine in Cell Suspension Cultures of <i>Celosia argentea</i> var. <i>plumosa</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2741-2749.	2.4	38
10	Production of anti-HIV-1 calanolides in a callus culture of <i>Calophyllum brasiliense</i> (Cambes). <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 103, 33-40.	1.2	30
11	Clonal propagation of mesquite tree ( <i>Prosopis laevigata</i> Humb. & Bonpl. ex Willd. M.C. Johnston). I. Via cotyledonary nodes. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2007, 43, 260-266.	0.9	29
12	Engineering Considerations to Produce Bioactive Compounds from Plant Cell Suspension Culture in Bioreactors. <i>Plants</i> , 2021, 10, 2762.	1.6	29
13	Structural changes of corn starch during <i>Saccharomyces cerevisiae</i> fermentation. <i>Starch/Staerke</i> , 2016, 68, 961-971.	1.1	28
14	Somatic embryogenesis of the heavy metal accumulator <i>Prosopis laevigata</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 108, 287-296.	1.2	26
15	Insights of the ability of gelatinized fractions from non-chemical modified corn, rice, wheat, and waxy corn starches to stabilize O/W emulsions. <i>Food Hydrocolloids</i> , 2019, 89, 726-734.	5.6	26
16	Sphaeralcic Acid and Tomentin, Anti-inflammatory Compounds Produced in Cell Suspension Cultures of <i>Sphaeralcea angustifolia</i> . <i>Planta Medica</i> , 2014, 80, 209-214.	0.7	21
17	Brominated Metabolites from the Sponge <i>Aplysina (verongia) thiona</i> . <i>Journal of Natural Products</i> , 1990, 53, 543-548.	1.5	19
18	Alkyl glycerol monoethers in the marine sponge <i>Desmaysia anchorata</i> . <i>Lipids</i> , 1994, 29, 731-734.	0.7	19

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19	Production of chlorogenic acid and isoorientin hypoglycemic compounds in <i>Cecropia obtusifolia</i> calli and in cell suspension cultures with nitrate deficiency. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 307-316.	1.0	19
20	Effect of layer (calcium phosphate-chitosan)-by-layer (mesquite gum) matrix on carotenoids-in-water-emulsion properties. <i>Food Hydrocolloids</i> , 2015, 43, 451-458.	5.6	19
21	Establishment and Phytochemical Analysis of a Callus Culture from <i>Ageratina pichinchensis</i> (Asteraceae) and Its Anti-Inflammatory Activity. <i>Molecules</i> , 2018, 23, 1258.	1.7	19
22	Phytochemical Profiling of <i>Coryphantha macromeris</i> (Cactaceae) Growing in Greenhouse Conditions Using Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Molecules</i> , 2019, 24, 705.	1.7	18
23	Effect of the culture medium and biotic stimulation on taxane production in <i>Taxus globosa</i> Schldtl in vitro cultures. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3447-3455.	1.0	16
24	Accumulation and tolerance of Cr and Pb using a cell suspension culture system of <i>Jatropha curcas</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 221-228.	1.2	16
25	Production of potential anti-inflammatory compounds in cell suspension cultures of <i>Sphaeralcea angustifolia</i> (Cav.) G. Don. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	16
26	Establishment of callus and cell suspension cultures of <i>Eysenhardtia polystachya</i> (Ortega) and fungistatic activity of their extracts. <i>South African Journal of Botany</i> , 2017, 112, 40-47.	1.2	16
27	Lupeol acetate production and antioxidant activity of a cell suspension culture from <i>Cnidocolus chayamansa</i> leaves. <i>South African Journal of Botany</i> , 2019, 125, 30-38.	1.2	15
28	Effect of stirring speed on the production of phenolic secondary metabolites and growth of <i>Buddleja cordata</i> cells cultured in mechanically agitated bioreactor. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 155-166.	1.2	14
29	Establishment of a Cell Suspension Culture of <i>Ageratina pichinchensis</i> (Kunth) for the Improved Production of Anti-Inflammatory Compounds. <i>Plants</i> , 2020, 9, 1398.	1.6	13
30	Propiedades antioxidantes del magüey morado ( <i>Rhoeo discolor</i> ) Purple magüey ( <i>Rhoeo</i> )	0.9	12
31	Exploring the Cr(VI) Phytoremediation Potential of <i>Cosmos bipinnatus</i> . <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	12
32	Alternative supplements for <i>Agaricus bisporus</i> production and the response on lignocellulolytic enzymes. <i>Scientia Horticulturae</i> , 2015, 192, 375-380.	1.7	12
33	Biomass production and secondary metabolite identification in callus cultures of <i>Coryphantha macromeris</i> (Engelm.) Britton & Rose (Cactaceae), a traditional medicinal plant. <i>South African Journal of Botany</i> , 2021, 137, 1-9.	1.2	12
34	Characterization and Stability of Pigments Extracted from <i>Terminalia Catappa</i> Leaves. <i>Journal of Food Science</i> , 2001, 66, 832-836.	1.5	11
35	Increased mesquite gum formation in nodal explants cultures after treatment with a microbial biomass preparation. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 802-807.	2.8	11
36	In vitro propagation of two antidiabetic species known as guarumbo: <i>Cecropia obtusifolia</i> and <i>Cecropia peltata</i> . <i>Acta Physiologiae Plantarum</i> , 2009, 31, 905-914.	1.0	11

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37	Effect of plant growth regulators on plant regeneration of <i>Dioscorea remotiflora</i> (Kunth) through nodal explants. <i>Plant Growth Regulation</i> , 2012, 68, 293-301.	1.8	11
38	Anti-inflammatory, antibacterial and antioxidant activity of leaf and cell cultures extracts of <i>Randia aculeata</i> L. and its chemical components by GC-MS. <i>South African Journal of Botany</i> , 2022, 144, 206-218.	1.2	11
39	<i>Arnica montana</i> Cell Culture Establishment, and Assessment of Its Cytotoxic, Antibacterial, $\hat{\pm}$ -Amylase Inhibitor, and Antioxidant In Vitro Bioactivities. <i>Plants</i> , 2021, 10, 2300.	1.6	11
40	Establishment and characterization of <i>Prosopis laevigata</i> (Humb. & Bonpl. ex Willd) M.C. Johnst. cell suspension culture: a biotechnology approach for mesquite gum production. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1687-1695.	1.0	10
41	Effects of phenylalanine and methyl jasmonate on verbascoside production in <i>Buddleja cordata</i> Kunth cell suspension cultures. <i>South African Journal of Botany</i> , 2020, 135, 41-49.	1.2	10
42	Honokiol and Magnolol Production by in vitro Micropropagated Plants of <i>Magnolia dealbata</i> , an Endangered Endemic Mexican Species. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.2	9
43	Taxane production induced by methyl jasmonate in free and immobilized cell cultures of Mexican yew ( <i>Taxus globosa</i> Schldl). <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	9
44	Verbascoside production in long-term <i>Buddleja cordata</i> Kunth cell suspension cultures. <i>3 Biotech</i> , 2020, 10, 245.	1.1	9
45	Fatty acid profile of intact plants of two different sites and callus cultures derived from seed and leaf explants of <i>Calophyllum brasiliense</i> Cambess: A new resource of non-edible oil. <i>Industrial Crops and Products</i> , 2015, 77, 1014-1019.	2.5	8
46	Effects of solid-state fermentation ( <i>Aspergillus oryzae</i> var. <i>oryzae</i> ) on the physicochemical properties of corn starch. <i>Starch/Staerke</i> , 2017, 69, 1600369.	1.1	8
47	Histoquímica, contenido de fenoles totales y actividad antioxidante de hoja y de madera de <i>Litsea glaucescens</i> Kunth (Lauraceae). <i>Madera Bosques</i> , 2014, 20, 125-137.	0.1	8
48	Identification of candidate genes related to calanolide biosynthesis by transcriptome sequencing of <i>Calophyllum brasiliense</i> (Calophyllaceae). <i>BMC Plant Biology</i> , 2016, 16, 177.	1.6	7
49	Microencapsulation of chlorthalidone by spray-drying of double emulsion and melt granulation coating. <i>Drying Technology</i> , 2016, 34, 1118-1128.	1.7	7
50	In vivo anti-arthritic effect and repeated dose toxicity of standardized methanolic extracts of <i>Buddleja cordata</i> Kunth (Scrophulariaceae) wild plant leaves and cell culture. <i>Journal of Ethnopharmacology</i> , 2019, 240, 111875.	2.0	7
51	Enhancing the production of scopoletin and quercetin 3-O- $\hat{p}$ -d-glucoside from cell suspension cultures of <i>Tilia americana</i> var. <i>mexicana</i> by modulating the copper and nitrate concentrations. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 305-316.	1.2	6
52	Establishment of a Cell Suspension Culture of <i>Eysenhardtia platycarpa</i> : Phytochemical Screening of Extracts and Evaluation of Antifungal Activity. <i>Plants</i> , 2021, 10, 414.	1.6	6
53	Production of Honokiol and Magnolol in Suspension Cultures of <i>Magnolia Dealbata</i> Zucc. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.2	5
54	Anatomical and histochemical characterization of in vitro haustorium from roots of <i>Castilleja tenuiflora</i> . <i>Biologia Plantarum</i> , 2014, 58, 164-168.	1.9	5

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55	Phytochemical, Pharmacological, and Biotechnological Study of <i>Ageratina pichinchensis</i> : A Native Species of Mexico. <i>Plants</i> , 2021, 10, 2225.	1.6	5
56	Active compounds and anti-inflammatory activity of the methanolic extracts of the leaves and callus from <i>Tilia americana</i> var. <i>mexicana</i> propagated plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 137, 55-64.	1.2	4
57	In vitro SIMULTANEOUS ACCUMULATION OF MULTIPLE HEAVY METALS BY <i>Prosopis laevigata</i> SEEDLINGS CULTURES. <i>Revista Mexicana De Ingeniera Quimica</i> , 2019, 18, 1167-1177.	0.2	4
58	Phytoremediation and Removal Mechanisms in <i>Bouteloua Curtipendula</i> Growing in Sterile Hydrocarbon Spiked Cultures. <i>International Journal of Phytoremediation</i> , 2011, 13, 613-625.	1.7	3
59	PHYTOCHEMICAL PROFILE OF <i>Coryphantha macromeris</i> (Engelm.) Britton and Rose CACTACEAE OBTAINED FROM in vitro CULTURE. <i>Revista Mexicana De Ingeniera Quimica</i> , 2019, 19, 239-249.	0.2	3
60	The chemical constituents and biological activities of <i>Cnidocolus chayamansa</i> McVaugh, a Mexican medicinal species, and plant cell cultures for the production of bioactive secondary metabolites. <i>Studies in Natural Products Chemistry</i> , 2021, 68, 317-346.	0.8	2
61	ESTABLISHMENT OF A CELL SUSPENSION CULTURE FROM <i>Calophyllum brasiliense</i> AND EVALUATION OF ITS ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITY. <i>Revista Mexicana De Ingeniera Quimica</i> , 2019, 19, 59-70.	0.2	2
62	Procedure for Estimating the Tolerance and Accumulation of Heavy Metals Using Plant Cell Cultures. <i>Methods in Molecular Biology</i> , 2018, 1815, 333-337.	0.4	0
63	Water-in-oil nanoemulsions loaded with <i>Ardisia compressa</i> K. bioactive compounds: evaluation of their physicochemical stability and functional activities. <i>Journal of Dispersion Science and Technology</i> , 2020, , 1-14.	1.3	0
64	Production of honokiol and magnolol in suspension cultures of <i>Magnolia dealbata</i> Zucc.. <i>Planta Medica</i> , 2012, 78, .	0.7	0
65	Impact of the Cooking Process on Metabolite Profiling of <i>Acanthocereus tetragonus</i> , a Plant Traditionally Consumed in Mexico. <i>Molecules</i> , 2022, 27, 3707.	1.7	0