

Mnica C Gonzalez

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8740922/monica-c-gonzalez-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111 papers	2,478 citations	29 h-index	44 g-index
116 ext. papers	2,795 ext. citations	4.5 avg, IF	4.71 L-index

#	Paper	IF	Citations
111	Different Impact of Suspended ALO Nanoparticles on Microbial Communities: Formation of 2D-Networks (Without Humic Acids) or 3D-Colonies (With Humic Acids).. <i>Microbial Ecology</i> , 2022 , 1	4.4	
110	Staphylococcus aureus biofilm eradication by the synergistic effect exerted by PEG-coated silicon dots immobilized in silica films and light irradiation. <i>Nanotechnology</i> , 2021 , 32, 095105	3.4	3
109	Non-purified commercial multiwalled carbon nanotubes supported on electrospun polyacrylonitrile@polypyrrole nanofibers as photocatalysts for water decontamination.. <i>RSC Advances</i> , 2021 , 11, 9911-9920	3.7	0
108	Environmentally Induced Changes of Commercial Carbon Nanotubes in Aqueous Suspensions. Adaptive Behavior of Bacteria in Biofilms. <i>ACS Omega</i> , 2021 , 6, 5197-5208	3.9	1
107	Bone Diseases: Current Approach and Future Perspectives in Drug Delivery Systems for Bone Targeted Therapeutics. <i>Nanomaterials</i> , 2020 , 10,	5.4	22
106	Tuning the nitrogen content of carbon dots in carbon nitride nanoflakes. <i>Carbon</i> , 2020 , 167, 230-243	10.4	8
105	BSA-capped gold nanoclusters as potential theragnostic for skin diseases: Photoactivation, skin penetration, in vitro, and in vivo toxicity. <i>Materials Science and Engineering C</i> , 2020 , 112, 110891	8.3	11
104	Luminescence properties and ROS generation of magnetic porous silicon nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 592, 124577	5.1	2
103	Degradation of melamine in aqueous systems by vacuum UV-(VUV-) photolysis. An alternative to photocatalysis. <i>Catalysis Today</i> , 2020 , 340, 286-293	5.3	2
102	Amorphous calcium organophosphate nanoshells as potential carriers for drug delivery to Ca ²⁺ -enriched surfaces. <i>New Journal of Chemistry</i> , 2020 , 44, 7541-7551	3.6	2
101	Comparative toxicity of PEG and folate-derived blue-emitting silicon nanoparticles: in vitro and in vivo studies. <i>Nanomedicine</i> , 2019 , 14, 375-385	5.6	4
100	Bioactive glass (45S5)-based 3D scaffolds coated with magnesium and zinc-loaded hydroxyapatite nanoparticles for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 182, 110346	6	20
99	VUV-photolysis of aqueous solutions of hydroxylamine and nitric oxide. Effect of organic matter: phenol. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 2240-2247	4.2	2
98	Nanohydroxyapatite Exerts Cytotoxic Effects and Prevents Cellular Proliferation and Migration in Glioma Cells. <i>Toxicological Sciences</i> , 2019 , 169, 34-42	4.4	7
97	Yerba Mate applications: Magnetic response of powders and colloids of iron oxide nanoparticles coated with Ilex paraguariensis derivatives. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 462, 13-21	2.8	9
96	Reaction kinetics and mechanisms of organosilicon fungicide flusilazole with sulfate and hydroxyl radicals. <i>Chemosphere</i> , 2018 , 190, 327-336	8.4	16
95	Multi-walled carbon nanotubes photochemistry: A mechanistic view of the effect of impurities and oxygen-containing surface groups. <i>Carbon</i> , 2018 , 138, 161-168	10.4	14

94	Ilex paraguariensis Extract-Coated Magnetite Nanoparticles: A Sustainable Nano-adsorbent and Antioxidant. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 519-527	3.2	9
93	Silicon Quantum Dots Metal-Enhanced Photoluminescence by Gold Nanoparticles in Colloidal Ensembles: Effect of Surface Coating. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26865-26875	3.8	3
92	Visible Light Induced Cationic Polymerization of Epoxides by Using Multiwalled Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800250	4.8	27
91	Toward biomedical application of amino-functionalized silicon nanoparticles. <i>Nanomedicine</i> , 2018 , 13, 1349-1370	5.6	12
90	Fluorescent silica nanoparticles with chemically reactive surface: Controlling spatial distribution in one-step synthesis. <i>Journal of Colloid and Interface Science</i> , 2017 , 496, 456-464	9.3	17
89	Versatile Fe-Containing Hydroxyapatite Nanomaterials as Efficient Substrates for Lead Ions Adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 9081-9090	1.3	5
88	Silicon dots in radiotherapy. <i>Series in Materials Science and Engineering</i> , 2017 , 431-442		
87	Effect of Silver Nanoparticles on the Photophysics of Riboflavin: Consequences on the ROS Generation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21967-21975	3.8	15
86	Polyethylene glycol-coated blue-emitting silicon dots with improved properties for uses in aqueous and biological environments. <i>Nanotechnology</i> , 2016 , 27, 475704	3.4	8
85	Delivery of fluorophores by calcium phosphate-coated nanoliposomes and interaction with Staphylococcus aureus biofilms. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 142, 214-222	6	8
84	Organic coating of 10-nm-size silicon nanoparticles: Effect on particle properties. <i>Nano Research</i> , 2015 , 8, 2047-2062	10	24
83	Impact of Iron Incorporation on 20 nm Size Silicon Nanoparticles Properties. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5739-5746	3.8	12
82	Properties of singlet- and triplet-excited states of hemicyanine dyes. <i>Chemical Papers</i> , 2014 , 68,	1.9	3
81	Novel Magnetite Nanoparticles Coated with Waste-Sourced Biobased Substances as Sustainable and Renewable Adsorbing Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1518-1524	8.3	81
80	Paramagnetic iron-doped hydroxyapatite nanoparticles with improved metal sorption properties. A bioorganic substrates-mediated synthesis. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3937-46	9.5	55
79	Photoluminescent 10 nm Sized Silicon Nanoparticles: A Surface-Dependent System. <i>Chemistry of Materials</i> , 2013 , 25, 3488-3498	9.6	39
78	Silanization effect on the photoluminescence characteristics of crystalline and amorphous silicon nanoparticles. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 1658-65	4.2	4
77	Chloride anion effect on the advanced oxidation processes of methidathion and dimethoate: role of Cl ₂ (•) radical. <i>Water Research</i> , 2013 , 47, 351-62	12.5	30

76	Oxidized silicon nanoparticles for radiosensitization of cancer and tissue cells. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 434, 217-22	3.4	45
75	Application of soluble bio-organic substances (SBO) as photocatalysts for wastewater treatment: Sensitizing effect and photo-Fenton-like process. <i>Catalysis Today</i> , 2013 , 209, 176-180	5.3	37
74	Evaluation of the Hg ²⁺ binding potential of fulvic acids from fluorescence excitation-emission matrices. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 384-92	4.2	21
73	One-electron oxidation of antioxidants: a kinetic-thermodynamic correlation. <i>Redox Report</i> , 2013 , 18, 205-9	5.9	10
72	Photolytic and radiolytic oxidation of humic acid. <i>Photochemistry and Photobiology</i> , 2012 , 88, 810-5	3.6	8
71	ROS enhancement by silicon nanoparticles in X-ray irradiated aqueous suspensions and in glioma C6 cells. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	28
70	Photoinduced reduction of divalent mercury by quinones in the presence of formic acid under anaerobic conditions. <i>Chemosphere</i> , 2012 , 89, 1189-94	8.4	21
69	Photochemical fate of a mixture of emerging pollutants in the presence of humic substances. <i>Water Research</i> , 2012 , 46, 4732-40	12.5	93
68	Triplet state of 4-methoxybenzyl alcohol chemisorbed on silica nanoparticles. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 1032-40	4.2	8
67	Reactivity of neonicotinoid insecticides with carbonate radicals. <i>Water Research</i> , 2012 , 46, 3479-89	12.5	69
66	Understanding the Parameters Affecting the Photoluminescence of Silicon Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11315-11325	3.8	30
65	Reaction kinetics and mechanisms of neonicotinoid pesticides with sulfate radicals. <i>New Journal of Chemistry</i> , 2011 , 35, 672-680	3.6	18
64	Phenol depletion by thermally activated peroxydisulfate at 70°C. <i>Chemosphere</i> , 2011 , 84, 1270-5	8.4	36
63	Safranine-T Triplet-State Quenching by Modified Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18122-18130	3.8	10
62	Generation of chemisorbed benzyl radicals on silica nanoparticles. <i>Photochemistry and Photobiology</i> , 2010 , 86, 1208-14	3.6	3
61	Reduction of mercury(II) by the carbon dioxide radical anion: a theoretical and experimental investigation. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12845-50	2.8	15
60	Degradation of the herbicides clomazone, paraquat, and glyphosate by thermally activated peroxydisulfate. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 12858-62	5.7	20
59	Silicon nanoparticle photophysics and singlet oxygen generation. <i>Langmuir</i> , 2010 , 26, 10953-60	4	35

58	Chemisorbed Thiols on Silica Particles: Characterization of Reactive Sulfur Species. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5080-5087	3.8	10
57	A kinetic study of the reactions of sulfate and dihydrogen phosphate radicals with epicatechin, epicatechingallate, and epigallocatechingallate. <i>International Journal of Chemical Kinetics</i> , 2010 , 42, 391-396	1.4	3
56	Reactivity of neonicotinoid pesticides with singlet oxygen. <i>Catalysis Today</i> , 2010 , 151, 137-142	5.3	37
55	Alloxan-dialuric acid cycling: a complex redox mechanism. <i>Free Radical Research</i> , 2009 , 43, 93-9	4	3
54	Photoinduced degradation of the herbicide clomazone model reactions for natural and technical systems. <i>Photochemistry and Photobiology</i> , 2009 , 85, 686-92	3.6	16
53	The use of molecular probes for the characterization of dispersions of functionalized silica nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 73, 54-60	4.4	5
52	Photophysical properties of blue - emitting silicon nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13694-13702	3.8	46
51	Thermally activated peroxydisulfate in the presence of additives: a clean method for the degradation of pollutants. <i>Chemosphere</i> , 2009 , 75, 1405-9	8.4	77
50	Reactivity of hydroxyl radicals with neonicotinoid insecticides: mechanism and changes in toxicity. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1016-23	4.2	54
49	A combined theoretical and experimental study on the oxidation of fulvic acid by the sulfate radical anion. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 992-7	4.2	72
48	Photodegradation of soil organic matter and its effect on gram-negative bacterial growth. <i>Photochemistry and Photobiology</i> , 2008 , 84, 1126-32	3.6	16
47	Theoretical and experimental investigation on the oxidation of gallic acid by sulfate radical anions. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 1188-94	2.8	60
46	Kinetics of the sulfate radical-mediated photo-oxidation of humic substances. <i>International Journal of Chemical Kinetics</i> , 2008 , 40, 19-24	1.4	41
45	Synthesis and Characterization of Butoxylated Silica Nanoparticles. Reaction with Benzophenone Triplet States. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7623-7628	3.8	17
44	Reactions of sulphate radicals with substituted pyridines: a structure-reactivity correlation analysis. <i>ChemPhysChem</i> , 2007 , 8, 2498-505	3.2	20
43	Trichloroacetic acid dehalogenation by reductive radicals. <i>Inorganica Chimica Acta</i> , 2007 , 360, 1209-1216	2.7	28
42	Reactions of Cl [•] /Cl ₂ ^{•-} radicals with the nanoparticle silica surface and with humic acids: model reactions for the aqueous phase chemistry of the atmosphere. <i>Photochemistry and Photobiology</i> , 2007 , 83, 944-51	3.6	6
41	Mineralization of CCl ₄ by the UVC-photolysis of hydrogen peroxide in the presence of methanol. <i>Chemosphere</i> , 2007 , 69, 1238-44	8.4	34

40	Abatement of the inhibitory effect of chloride anions on the photo-Fenton process. <i>Environmental Science & Technology</i> , 2007 , 41, 8459-63	10.3	70
39	Kinetic studies on the sulfate radical-initiated polymerization of vinyl acetate and 4-vinyl pyridine in the presence of silica nanoparticles. <i>Langmuir</i> , 2005 , 21, 8001-9	4	6
38	Kinetics of the interaction of sulfate and hydrogen phosphate radicals with small peptides of glycine, alanine, tyrosine and tryptophan. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 840-6	4.2	19
37	Water/silica nanoparticle interfacial kinetics of sulfate, hydrogen phosphate, and dithiocyanate radicals. <i>Photochemistry and Photobiology</i> , 2005 , 81, 1526-33	3.6	7
36	Environmental Photochemistry in Heterogeneous Media 2005 , 49-75		2
35	Reactions of Phosphate Radicals with Monosubstituted Benzenes. A Mechanistic Investigation. <i>Helvetica Chimica Acta</i> , 2003 , 86, 2509-2524	2	23
34	Volume and enthalpy changes of peroxodiphosphate dissociation. <i>Chemical Physics Letters</i> , 2003 , 373, 176-181	2.5	5
33	A Kinetic Study of the Reactions of Sulfate Radicals at the Silica Nanoparticle-Water Interface. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 6131-6138	3.4	8
32	Kinetic study of the oxidation of phenolic derivatives of alpha,alpha,alpha-trifluorotoluene by singlet molecular oxygen [O ₂ (¹ Δ _{g)] and hydrogen phosphate radicals. <i>Photochemical and Photobiological Sciences</i>, 2003, 2, 882-7}	4.2	4
31	Kinetic study of the reactions of oxoiron(IV) with aromatic substrates in aqueous solutions. <i>International Journal of Chemical Kinetics</i> , 2002 , 34, 488-494	1.4	48
30	Aqueous Phase Kinetic Studies Involving Intermediates of Environmental Interest: Phosphate Radicals and Their Reactions with Substituted Benzenes. <i>Progress in Reaction Kinetics and Mechanism</i> , 2001 , 26, 201-218	0.5	23
29	Reactions of carbon dioxide radical anion with substituted benzenes. <i>Journal of Physical Organic Chemistry</i> , 2001 , 14, 300-309	2.1	41
28	Kinetic Study of the Reactions of Chlorine Atoms and Cl ₂ ⁻ Radical Anions in Aqueous Solutions. II. Toluene, Benzoic Acid, and Chlorobenzene. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 5385-5392	2.8	104
27	Photolysis of polyphosphate ions in alkaline aqueous solution. <i>International Journal of Chemical Kinetics</i> , 2000 , 32, 111-117	1.4	1
26	Electron transfer reactions of singlet molecular oxygen with phenols. <i>Journal of Physical Organic Chemistry</i> , 2000 , 13, 208-212	2.1	5
25	Hydroxyl radical initiated photodegradation of 4-chloro-3,5-dinitrobenzoic acid in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000 , 137, 177-184	4.7	38
24	Kinetic Study of the Reactions of Chlorine Atoms and Cl ₂ ⁻ Radical Anions in Aqueous Solutions. 1. Reaction with Benzene. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3117-3125	2.8	125
23	Reaction of sulfate and phosphate radicals with α,α,α -trifluorotoluene. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999 , 205-210		22

22	Kinetic evidence for the reaction of O^\bullet radical ions and peroxodisulfate in alkaline aqueous solutions. <i>International Journal of Chemical Kinetics</i> , 1998 , 30, 491-496	1.4	6
21	Reactions of phosphate radicals with substituted benzenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998 , 116, 21-25	4.7	29
20	Reactions of phosphate radicals with substituted benzenes. A structure-reactivity correlation study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 2933-2937		22
19	Kinetics of the Reactions of O^\bullet and HO^\bullet with $\text{C}_6\text{H}_4\text{F}_3$ Trifluorotoluene and 4-Fluorotoluene <i>Journal of Chemical Research Synopses</i> , 1997 , 172-173		3
18	Flash-photolysis of di- Et -bis(oxomolybdate(V)) in the presence of bromide ion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997 , 108, 117-121	4.7	2
17	Kinetics of O^\bullet and O_3^\bullet in alkaline aqueous solutions of hydrogen peroxide. <i>International Journal of Chemical Kinetics</i> , 1997 , 29, 589-597	1.4	15
16	Vacuum UV photolysis of aqueous solutions of nitrate. Effect of organic matter II. Methanol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996 , 95, 67-72	4.7	24
15	Vacuum-UV photolysis of aqueous solutions of nitrate: effect of organic matter I. Phenol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996 , 93, 7-19	4.7	33
14	Oxidative degradation of nitrogen-containing organic compounds: vacuum-ultraviolet (VUV) photolysis of aqueous solutions of 3-amino 5-methylisoxazole. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 351, 92-97		18
13	VUV photolysis of aqueous solutions of nitrate and nitrite. <i>Research on Chemical Intermediates</i> , 1995 , 21, 837-859	2.8	101
12	The flash photolysis of di- Et -bis(oxo-molybdate(V)) acid aqueous solutions in the presence of excess chloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 69, 277-285	4.7	8
11	Ground State Complexes between 5-(4-Carboxyphenyl)-10,15,20-Triethyl Porphyrin and Benzoquinones. <i>Journal Für Praktische Chemie, Chemiker-Zeitung</i> , 1993 , 335, 515-520		
10	The flash photolysis of di- Et -bis(oxo-molybdate(V)) complexes in acidic aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992 , 63, 149-160	4.7	3
9	The flash photolysis of pyridinium di- Et -bis(oxo tris (isothiocyanate) molybdate(V)) in ethyl acetate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992 , 67, 267-277	4.7	2
8	The flash photolysis of di- Et -bis(oxo-molybdate(V)) acid aqueous solutions in the presence of excess thiocyanate. <i>International Journal of Chemical Kinetics</i> , 1991 , 23, 457-472	1.4	16
7	Analysis of spectrally resolved kinetic data and time-resolved spectra by bilinear regression. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 3532-3536		33
6	Flash photolysis of aqueous solutions of bis(Et -oxo) bis(oxo-molybdenum(V)). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1989 , 48, 69-79	4.7	12
5	Photochemistry of aqueous solutions of triphenyltetrazolium chloride. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 3536-3540		12

4	Preparation and properties of a linked porphyrin β -cyclodextrin. <i>Canadian Journal of Chemistry</i> , 1985 , 63, 602-608	0.9	23
3	Intramolecular photochemical electron transfer to acceptors in a β -cyclodextrin linked to a porphyrin. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 1138-1140		31
2	The kinetics of the photochlorination of perfluoro-2-butene under intermittent light. <i>Journal of Photochemistry and Photobiology</i> , 1982 , 19, 229-234		1
1	The kinetics of the gas phase photochlorination of hexafluoropropene. <i>Journal of Photochemistry and Photobiology</i> , 1981 , 15, 303-311		3