Gregorio Cadenas-pliego

List of Publications by Citations

75 papers	1,487 citations	23 h-index	36 g-index
81 ext. papers	1,844 ext. citations	3.2 avg, IF	4.82 L-index

#	Paper	IF	Citations
75	Foliar Application of Copper Nanoparticles Increases the Fruit Quality and the Content of Bioactive Compounds in Tomatoes. *Applied Sciences (Switzerland)*, **2018**, 8, 1020	2.6	94
74	Nanoparticles and Nanomaterials as Plant Biostimulants. *International Journal of Molecular Sciences* , **2019**, 20,	6.3	88
73	Synthesis of Copper Nanoparticles by Thermal Decomposition and Their Antimicrobial Properties. *Journal of Nanomaterials*, **2014**, 2014, 1-5	3.2	84
72	Application of nanoelements in plant nutrition and its impact in ecosystems. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2017**, 8, 013001	1.6	77
71	Effects of Chitosan-PVA and Cu Nanoparticles on the Growth and Antioxidant Capacity of Tomato under Saline Stress. *Molecules*, **2018**, 23,	4.8	66
70	Responses of Tomato Plants under Saline Stress to Foliar Application of Copper Nanoparticles. *Plants*, **2019**, 8,	4.5	64
69	The Application of Selenium and Copper Nanoparticles Modifies the Biochemical Responses of Tomato Plants under Stress by. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	64
68	Se Nanoparticles Induce Changes in the Growth, Antioxidant Responses, and Fruit Quality of Tomato Developed under NaCl Stress. *Molecules*, **2019**, 24,	4.8	53
67	Chitosan-PVA and Copper Nanoparticles Improve Growth and Overexpress the SOD and JA Genes in Tomato Plants under Salt Stress. *Agronomy*, **2018**, 8, 175	3.6	49
66	Impact of Selenium and Copper Nanoparticles on Yield, Antioxidant System, and Fruit Quality of Tomato Plants. *Plants*, **2019**, 8,	4.5	48
65	The application of copper nanoparticles and potassium silicate stimulate the tolerance to Clavibacter michiganensis in tomato plants. *Scientia Horticulturae*, **2019**, 245, 82-89	4.1	46
64	Cu Nanoparticles in Hydrogels of Chitosan-PVA Affects the Characteristics of Post-Harvest and Bioactive Compounds of Jalapeño Pepper. *Molecules*, **2017**, 22,	4.8	38
63	Study of three different families of water-soluble copolymers: synthesis, characterization and viscoelastic behavior of semidilute solutions of polymers prepared by solution polymerization. *Polymer*, **2004**, 45, 1993-2000	3.9	32
62	Reactivity of Dithiazinanes towards BH3, BD3 and BF3. New Heterocycles: 5,5-Dimethyl-1,3-dithia-5-azonia-4-boratacyclohexane and 6,6-Dideuterio-5-methyl-5[D1]methyl-1,3-dithia-5azonia-4-boratacyclohexane. A Method for the Dimethylation and Monodeuteriomethylation of Primary Amines. *Chemische Berichte*, **1993**, 126, 863-867		32
61	New chiral heterocycles: 5-[(r)-(+)-1?-methylbenzyyl-1,3,5-dithiazine and 3-7-di-[(R)-(+)-1?-methylbenzyu-3-7-diaza-1,5-dithiacyclooctane. Conformational studies and their reactions with borane.. *Tetrahedron: Asymmetry*, **1994**, 5, 633-640		31
60	Optical and morphological properties of chemically synthesized poly3-octylthiophene thin films. *Thin Solid Films*, **2005**, 490, 189-195	2.2	30
59	NEW PERHYDRODITHIAZINES, NMR AND X-RAY DIFFRACTION STUDIES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1993**, 81, 111-123	1	27

58	Impact of Carbon Nanomaterials on the Antioxidant System of Tomato Seedlings. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	27
57	(Fluorenyl)titanium Triisopropoxide and Bis(fluorenyl)titanium Diisopropoxide: A Facile Synthesis, Molecular Structure, and Catalytic Activity in Styrene Polymerization. *Organometallics*, **2002**, 21, 3094-3099	3.8	26
56	N-BH3 adducts of trialkyl-1,3,5-triazacyclohexanes with stable stereogenic nitrogen atoms, stereochemical study. *Tetrahedron: Asymmetry*, **1995**, 6, 1585-1592		26
55	Synthesis of Copper Nanoparticles Coated with Nitrogen Ligands. *Journal of Nanomaterials*, **2014**, 2014, 1-8	3.2	25
54	Synthesis of Copper Nanoparticles Using Mixture of Allylamine and Polyallylamine. *Journal of Nanomaterials*, **2015**, 2015, 1-9	3.2	24
53	Oxidation of Copper Nanoparticles Protected with Different Coatings and Stored under Ambient Conditions. *Journal of Nanomaterials*, **2018**, 2018, 1-8	3.2	24
52	High-Tg Functional Aromatic Polymers. *Macromolecules*, **2015**, 48, 1026-1037	5.5	22
51	Antibacterial activity of chitosan and the interpolyelectrolyte complexes of poly(acrylic acid)-chitosan. *Brazilian Archives of Biology and Technology*, **2010**, 53, 623-628	1.8	20
50	A New Lithium 5-Methyl-1,3-dithia-5-azacyclohex-2-ylborate 5-Borane and Two Dimeric 5-Methyl-1,3-dithia-5-azacyclohex-2-yllithium Compounds Stereochemistry and Reactivity. *Chemische Berichte*, **1997**, 130, 813-817		20
49	SYNTHESIS AND X-RAY DIFFRACTION STUDY OF 1,5-DITHIA-3,7-DIAZABICYCLO[3.3.1]NONANE AND ITS N-BORANE ADDUCTS. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1993**, 84, 9-15	1	17
48	Graphene Nanoplatelets Modified with Amino-Groups by Ultrasonic Radiation of Variable Frequency for Potential Adsorption of Uremic Toxins. *Nanomaterials*, **2019**, 9,	5.4	16
47	Preparation of bifluorenes via the synthesis and thermal decomposition of fluorenyltitanium(IV) trichlorides. Molecular and crystal structure of 9,9?-bis(trimethylsilyl)-bi-9,9?-fluorene. *Tetrahedron*, **1999**, 55, 1639-1646	2.4	16
46	Effect of Three Nanoparticles (Se, Si and Cu) on the Bioactive Compounds of Bell Pepper Fruits under Saline Stress. *Plants*, **2021**, 10,	4.5	16
45	Seed Priming with Carbon Nanomaterials to Modify the Germination, Growth, and Antioxidant Status of Tomato Seedlings. *Agronomy*, **2020**, 10, 639	3.6	15
44	Exfoliation, reduction, hybridization and polymerization mechanisms in one-step microwave-assist synthesis of nanocomposite nylon-6/graphene. *Polymer*, **2018**, 146, 73-81	3.9	15
43	Melt-Mixed Thermoplastic Nanocomposite Containing Carbon Nanotubes and Titanium Dioxide for Flame Retardancy Applications. *Polymers*, **2019**, 11,	4.5	15
42	Synthesis and characterization of thermo-insensitive, water-soluble associative polymers with good thickening properties at low and high temperatures. *Journal of Polymer Research*, **2014**, 21, 1	2.7	14
41	Foliar Application of Cu Nanoparticles Modified the Content of Bioactive Compounds in Moringa oleifera Lam. *Agronomy*, **2018**, 8, 167	3.6	14

40	Surface Modification of Graphene Nanoplatelets by Organic Acids and Ultrasonic Radiation for Enhance Uremic Toxins Adsorption. *Materials*, **2019**, 12,	3.5	13
39	Form of Silica Improves Yield, Fruit Quality and Antioxidant Defense System of Tomato Plants under Salt Stress. *Agriculture (Switzerland)*, **2020**, 10, 367	3	13
38	Morphology and chain mobility of reactive blend nanocomposites of PP-EVA/Clay. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	12
37	Densities, Excess Volumes, and Partial Molar Volumes of m-Xylene+Ethyl Acrylate, +Butyl Acrylate, +Methyl Methacrylate, and +Styrene at 298.15 K. *International Journal of Thermophysics*, **2003**, 24, 1061-1071	2.1	12
36	Impact of Silicon Nanoparticles on the Antioxidant Compounds of Tomato Fruits Stressed by Arsenic. *Foods*, **2019**, 8,	4.9	11
35	Thermal degradation of poly(vinyl chloride) synthesized with a titanocene catalyst. *Polymer Degradation and Stability*, **2006**, 91, 499-503	4.7	10
34	Characterization and rheological properties of dilute-solutions of three different families of water-soluble copolymers prepared by solution polymerization. *Macromolecular Research*, **2004**, 12, 451-458	1.9	10
33	Novel supported catalysts for ethylene polymerization based on aluminohydride-zirconocene complexes. *Journal of Molecular Catalysis A*, **2009**, 307, 98-104		9
32	Synthesis and Thermomechanical Characterization of Nylon 6/Cu Nanocomposites Produced by an Ultrasound-Assisted Extrusion Method. *Advances in Materials Science and Engineering*, **2018**, 2018, 1-10	1.5	9
31	Effect of Modified Hexagonal Boron Nitride Nanoparticles on the Emulsion Stability, Viscosity and Electrochemical Behavior of Nanostructured Acrylic Coatings for the Corrosion Protection of AISI 304 Stainless Steel. *Coatings*, **2020**, 10, 488	2.9	8
30	Synthesis, characterization and properties of functionalized styrene□maleimide copolymers. *Polymer International*, **2005**, 54, 1626-1631	3.3	8
29	Enhancement of the thermal conductivity of polypropylene with low loadings of CuAg alloy nanoparticles and graphene nanoplatelets. *Materials Today Communications*, **2019**, 21, 100695	2.5	7
28	Microwave-assisted synthesis of poly(3-hexylthiophene) via direct oxidation with FeCl3. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2012**, 177, 1441-1445	3.1	7
27	Si2Me4-bridged zirconocene dichlorides: crystal and molecular structure of meso-Si2Me4(3-SiMe3□9H5)2ZrCl2. *Journal of Organometallic Chemistry*, **1999**, 585, 18-25	2.3	7
26	Synthesis of Nylon 6/Modified Carbon Black Nanocomposites for Application in Uric Acid Adsorption. *Materials*, **2020**, 13,	3.5	7
25	Green Synthesis of Copper Nanoparticles Using Cotton. *Polymers*, **2021**, 13,	4.5	7
24	Antimicrobial Property of Polypropylene Composites and Functionalized Copper Nanoparticles. *Polymers*, **2021**, 13,	4.5	6
23	Poly(vinyl alcohol) obtained by hydrolysis of poly(vinyl silyl ethers) and poly(vinyl ethers) synthesized with indenyltitanium trichloride. *Polymer Degradation and Stability*, **2005**, 90, 264-271	4.7	5

22	Silicon nanoparticles decrease arsenic translocation and mitigate phytotoxicity in tomato plants.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	5
21	Influence of Surfactant and Salt Concentration on the Rheological Properties of Three Different Microstructures of Associative Polyelectrolytes Obtained by Solution Polymerization. *Journal of Modern Physics*, **2014**, 05, 1387-1396	0.5	5
20	Effect of Microwave Radiation on the Synthesis of Poly(3-hexylthiophene) and the Subsequent Photovoltaic Performance of CdS/P3HT Solar Cells. *International Journal of Polymer Science*, **2016**, 2016, 1-9	2.4	5
19	Symmetry loss in piperidine and morpholine by nitrogen coordination.. *Journal of Chemical Education*, **1993**, 70, 556	2.4	4
18	Concentration effect of N-isopropylacrylamide on viscoelastic properties of hydrosoluble thermo-thickening copolymers. *Polymer Bulletin*, **2017**, 74, 4009-4021	2.4	3
17	Heterogeneous Ethylene and Alpha-Olefin Copolymerization Using Zirconocene Aluminohydride Complexes. *Macromolecular Symposia*, **2013**, 325-326, 71-76	0.8	3
16	Carbon Nanotubes Decrease the Negative Impact of in Tomato Crop. *Nanomaterials*, **2021**, 11,	5.4	3
15	Nitric oxide modified growth, nutrient uptake and the antioxidant defense system in tomato seedlings stressed with arsenic. *Theoretical and Experimental Plant Physiology*, **2021**, 33, 205-223	2.4	3
14	Non-Woven Fabrics Based on Nanocomposite Nylon 6/ZnO Obtained by Ultrasound-Assisted Extrusion for Improved Antimicrobial and Adsorption Methylene Blue Dye Properties. *Polymers*, **2021**, 13,	4.5	3
13	Nanocomposite PLA/C20A Nanoclay by Ultrasound-Assisted Melt Extrusion for Adsorption of Uremic Toxins and Methylene Blue Dye. *Nanomaterials*, **2021**, 11,	5.4	3
12	Effect of carbon-based nanomaterials on Fusarium wilt in tomato. *Scientia Horticulturae*, **2022**, 291, 110586	4.6	3
11	Synthesis and characterization of SWNTs/P3OT composites via in situ microwave-assisted polymerization. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 7341-7350	2.1	2
10	Composites based on nylon 6/clinoptilolite by ultrasound-assisted extrusion for enhanced flame retardant and mechanical properties. *Polymer Bulletin*,1	2.4	2
9	Seed priming with ZnO nanoparticles promotes early growth and bioactive compounds of Moringa oleifera. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, **2021**, 49, 12546	1.2	2
8	Evaluation of catalyst leaching in silica supported zirconocene alumino hydride catalysts. *Canadian Journal of Chemical Engineering*, **2017**, 95, 1124-1132	2.3	1
7	Thermal degradation of PVC synthesized with a titanocene catalyst II. Complementary isothermal results. *Polymer Degradation and Stability*, **2007**, 92, 1133-1140	4.7	1
6	Use of chitosan-polyacrylic acid (CS-PAA) complex, chitosan-polyvinyl alcohol (CS-PVA) and chitosan hydrogels in greenhouses as a carrier for beneficial elements, nanoparticles, and microorganisms. *Acta Horticulturae*, **2020**, 1153-1160	0.3	1
5	Synthesis of Copper Nanoparticles Stabilized with Organic Ligands and Their Antimicrobial Properties. *Polymers*, **2021**, 13,	4.5	1

4	Complejo PVA-quitosano-nCu mejora el rendimiento y la respuesta de defensa en tomate. *Revista Mexicana De Ciencias Agricolas*, **2021**, 12, 970-979	1.2	0
3	Non-woven fabrics based on Nylon 6/carbon black-graphene nanoplatelets obtained by melt-blowing for adsorption of urea, uric acid and creatinine. *Materials Letters*, **2022**, 320, 132382	3.3	0
2	Syndiospecific Styrene Polymerization in Aliphatic Solvents Catalyzed by FluTi(OiPr)3/MAO: Study of Polymerization Conditions. *Macromolecular Symposia*, **2009**, 283-284, 67-77	0.8	
1	Heterogeneous Polymerization of Ethylene and 1-Hexene with Me3SiCp2ZrH3AlH2/SiO2 Activated with MAO. *Macromolecular Symposia*, **2009**, 283-284, 96-102	0.8	