Gregorio Cadenas-pliego

List of Publications by Year in Descending Order

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	Silicon nanoparticles decrease arsenic translocation and mitigate phytotoxicity in tomato plants.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	5
74	Effect of carbon-based nanomaterials on Fusarium wilt in tomato. *Scientia Horticulturae*, **2022**, 291, 110586	4.6	3
73	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
72	Carbon Nanotubes Decrease the Negative Impact of in Tomato Crop. *Nanomaterials*, **2021**, 11,	5.4	3
71	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
70	Antimicrobial Property of Polypropylene Composites and Functionalized Copper Nanoparticles. *Polymers*, **2021**, 13,	4.5	6
69	Green Synthesis of Copper Nanoparticles Using Cotton. *Polymers*, **2021**, 13,	4.5	7
68	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
67	Synthesis of Copper Nanoparticles Stabilized with Organic Ligands and Their Antimicrobial Properties. *Polymers*, **2021**, 13,	4.5	1
66	Nanocomposite PLA/C20A Nanoclay by Ultrasound-Assisted Melt Extrusion for Adsorption of Uremic Toxins and Methylene Blue Dye. *Nanomaterials*, **2021**, 11,	5.4	3
65	Complejo PVA-quitosã-nCu mejora el rendimiento y la respuesta de defensa en tomate. *Revista Mexicana De Ciencias Agricolas*, **2021**, 12, 970-979	1.2	0
64	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
63	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
62	Seed Priming with Carbon Nanomaterials to Modify the Germination, Growth, and Antioxidant Status of Tomato Seedlings. *Agronomy*, **2020**, 10, 639	3.6	15
61	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
60	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
59	Synthesis of Nylon 6/Modified Carbon Black Nanocomposites for Application in Uric Acid Adsorption. *Materials*, **2020**, 13,	3.5	7

58	Form of Silica Improves Yield, Fruit Quality and Antioxidant Defense System of Tomato Plants under Salt Stress. *Agriculture (Switzerland)*, **2020**, 10, 367	3	13
57	Se Nanoparticles Induce Changes in the Growth, Antioxidant Responses, and Fruit Quality of Tomato Developed under NaCl Stress. *Molecules*, **2019**, 24,	4.8	53
56	Graphene Nanoplatelets Modified with Amino-Groups by Ultrasonic Radiation of Variable Frequency for Potential Adsorption of Uremic Toxins. *Nanomaterials*, **2019**, 9,	5.4	16
55	Impact of Selenium and Copper Nanoparticles on Yield, Antioxidant System, and Fruit Quality of Tomato Plants. *Plants*, **2019**, 8,	4.5	48
54	Nanoparticles and Nanomaterials as Plant Biostimulants. *International Journal of Molecular Sciences* , **2019**, 20,	6.3	88
53	Responses of Tomato Plants under Saline Stress to Foliar Application of Copper Nanoparticles. *Plants*, **2019**, 8,	4.5	64
52	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
51	Surface Modification of Graphene Nanoplatelets by Organic Acids and Ultrasonic Radiation for Enhance Uremic Toxins Adsorption. *Materials*, **2019**, 12,	3.5	13
50	Melt-Mixed Thermoplastic Nanocomposite Containing Carbon Nanotubes and Titanium Dioxide for Flame Retardancy Applications. *Polymers*, **2019**, 11,	4.5	15
49	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
48	Impact of Silicon Nanoparticles on the Antioxidant Compounds of Tomato Fruits Stressed by Arsenic. *Foods*, **2019**, 8,	4.9	11
47	Impact of Carbon Nanomaterials on the Antioxidant System of Tomato Seedlings. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	27
46	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
45	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
44	Effects of Chitosan-PVA and Cu Nanoparticles on the Growth and Antioxidant Capacity of Tomato under Saline Stress. *Molecules*, **2018**, 23,	4.8	66
43	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
42	Oxidation of Copper Nanoparticles Protected with Different Coatings and Stored under Ambient Conditions. *Journal of Nanomaterials*, **2018**, 2018, 1-8	3.2	24
41	Foliar Application of Cu Nanoparticles Modified the Content of Bioactive Compounds in Moringa oleifera Lam. *Agronomy*, **2018**, 8, 167	3.6	14

40	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
39	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
38	Evaluation of catalyst leaching in silica supported zirconocene alumino hydride catalysts. *Canadian Journal of Chemical Engineering*, **2017**, 95, 1124-1132	2.3	1
37	Application of nanoelements in plant nutrition and its impact in ecosystems. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2017**, 8, 013001	1.6	77
36	Concentration effect of N-isopropylacrylamide on viscoelastic properties of hydrosoluble thermo-thickening copolymers. *Polymer Bulletin*, **2017**, 74, 4009-4021	2.4	3
35	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
34	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
33	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
32	Synthesis of Copper Nanoparticles Using Mixture of Allylamine and Polyallylamine. *Journal of Nanomaterials*, **2015**, 2015, 1-9	3.2	24
31	High-Tg Functional Aromatic Polymers. *Macromolecules*, **2015**, 48, 1026-1037	5.5	22
30	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
29	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
28	Synthesis of Copper Nanoparticles Coated with Nitrogen Ligands. *Journal of Nanomaterials*, **2014**, 2014, 1-8	3.2	25
27	Synthesis of Copper Nanoparticles by Thermal Decomposition and Their Antimicrobial Properties. *Journal of Nanomaterials*, **2014**, 2014, 1-5	3.2	84
26	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
25	Heterogeneous Ethylene and Alpha-Olefin Copolymerization Using Zirconocene Aluminohydride Complexes. *Macromolecular Symposia*, **2013**, 325-326, 71-76	0.8	3
24	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
23	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

22	Novel supported catalysts for ethylene polymerization based on aluminohydride-zirconocene complexes. *Journal of Molecular Catalysis A*, **2009**, 307, 98-104		9
21	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	
20	Heterogeneous Polymerization of Ethylene and 1-Hexene with Me3SiCp2ZrH3AlH2/SiO2 Activated with MAO. *Macromolecular Symposia*, **2009**, 283-284, 96-102	0.8	
19	Thermal degradation of PVC synthesized with a titanocene catalyst II. Complementary isothermal results. *Polymer Degradation and Stability*, **2007**, 92, 1133-1140	4.7	1
18	Thermal degradation of poly(vinyl chloride) synthesized with a titanocene catalyst. *Polymer Degradation and Stability*, **2006**, 91, 499-503	4.7	10
17	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
16	Optical and morphological properties of chemically synthesized poly3-octylthiophene thin films. *Thin Solid Films*, **2005**, 490, 189-195	2.2	30
15	Synthesis, characterization and properties of functionalized styrene□maleimide copolymers. *Polymer International*, **2005**, 54, 1626-1631	3.3	8
14	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
13	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
12	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
11	(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
10	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
9	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
8	A New Lithium 5-Methyl-1,3-dithia-5-azacyclohex-2-ylborate □-Borane and Two Dimeric 5-Methyl-1,3-dithia-5-azacyclohex-2-yllithium Compounds □Stereochemistry and Reactivity. *Chemische Berichte*, **1997**, 130, 813-817		20
7	N-BH3 adducts of trialkyl-1,3,5-triazacyclohexanes with stable stereogenic nitrogen atoms, stereochemical study. *Tetrahedron: Asymmetry*, **1995**, 6, 1585-1592		26
6	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
5	Symmetry loss in piperidine and morpholine by nitrogen coordination.. *Journal of Chemical Education*, **1993**, 70, 556	2.4	4

4	NEW PERHYDRODITHIAZINES, NMR AND X-RAY DIFFRACTION STUDIES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1993**, 81, 111-123	1	27
3	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
2	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
1	Composites based on nylon 6/clinoptilolite by ultrasound-assisted extrusion for enhanced flame retardant and mechanical properties. *Polymer Bulletin*,1	2.4	2