

# Cristina Satriano

## List of Publications by Citations

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113  
papers

2,483  
citations

27  
h-index

44  
g-index

123  
ext. papers

2,801  
ext. citations

5.2  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
113	Catalytic combustion of volatile organic compounds on gold/cerium oxide catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 40, 43-49	21.8	384
112	Reduced Lipid Bilayer Thickness Regulates the Aggregation and Cytotoxicity of Amyloid- $\beta$ <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 4638-4650	5.4	92
111	Citrus peel essential oil nanoformulations to control the tomato borer, Tuta absoluta: chemical properties and biological activity. <i>Scientific Reports</i> , <b>2017</b> , 7, 13036	4.9	84
110	Synthetic fluorescent probes to map metallostasis and intracellular fate of zinc and copper. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 311, 125-167	23.2	68
109	The effect of irradiation modification and RGD sequence adsorption on the response of human osteoblasts to polycaprolactone. <i>Biomaterials</i> , <b>2005</b> , 26, 4793-804	15.6	68
108	Gold and Silver Nanoparticles for Applications in Theranostics. <i>Current Topics in Medicinal Chemistry</i> , <b>2016</b> , 16, 3069-3102	3	67
107	Improved osteogenic differentiation of human marrow stromal cells cultured on ion-induced chemically structured poly-epsilon-caprolactone. <i>Biomaterials</i> , <b>2007</b> , 28, 1132-40	15.6	65
106	Surface Chemical Structure and Cell Adhesion onto Ion Beam Modified Polysiloxane. <i>Langmuir</i> , <b>2001</b> , 17, 2243-2250	4	59
105	The Role of Cholesterol in Driving IAPP-Membrane Interactions. <i>Biophysical Journal</i> , <b>2016</b> , 111, 140-51	2.9	58
104	A multitechnique study of preferential protein adsorption on hydrophobic and hydrophilic plasma-modified polymer surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 70, 76-83	6	52
103	A novel fully water-soluble Cu(I) probe for fluorescence live cell imaging. <i>Chemical Communications</i> , <b>2014</b> , 50, 9835-8	5.8	44
102	Evaluation of L929 fibroblast attachment and proliferation on Arg-Gly-Asp-Ser (RGDS)-immobilized chitosan in serum-containing/serum-free cultures. <i>Journal of Bioscience and Bioengineering</i> , <b>2007</b> , 104, 69-77	3.3	43
101	A versatile strategy for signal amplification based on core/shell silica nanoparticles. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13429-32	4.8	42
100	Enhancement of fibroblastic proliferation on chitosan surfaces by immobilized epidermal growth factor. <i>Acta Biomaterialia</i> , <b>2008</b> , 4, 989-96	10.8	42
99	A ratiometric naphthalimide sensor for live cell imaging of copper(I). <i>Chemical Communications</i> , <b>2013</b> , 49, 5565-7	5.8	40
98	Expression of cell adhesion receptors in human osteoblasts cultured on biofunctionalized poly-(epsilon-caprolactone) surfaces. <i>Biomaterials</i> , <b>2007</b> , 28, 3668-78	15.6	40
97	Copper (II) ions modulate Angiogenin activity in human endothelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2015</b> , 60, 185-96	5.6	39

96	Differential Cultured Fibroblast Behavior on Plasma and Ion-Beam-Modified Polysiloxane Surfaces. <i>Langmuir</i> , <b>2002</b> , 18, 9469-9475	4	39
95	Engineered Silica Surfaces with an Assembled C60 Fullerene Monolayer. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1079-1084	9.6	38
94	Surface free energy and cell attachment onto ion-beam irradiated polymer surfaces. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 208, 287-293	1.2	35
93	Bacterial adhesion onto nanopatterned polymer surfaces. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 942-946	8.3	32
92	A New Ratiometric Lysosomal Copper(II) Fluorescent Probe To Map a Dynamic Metallome in Live Cells. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2365-2368	5.1	30
91	Tuning the structural and optical properties of gold/silver nano-alloys prepared by laser ablation in liquids for optical limiting, ultra-sensitive spectroscopy, and optical trapping. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2012</b> , 113, 2490-2498	2.1	30
90	Electrosynthesis of hydrogel films on metal substrates for the development of coatings with tunable drug delivery performances. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 88, 1048-57	5.4	30
89	Bacteriogenic Platinum Nanoparticles for Application in Nanomedicine. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 624344	5	28
88	Adsorption of NGF and BDNF derived peptides on gold surfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 1536-44	3.6	27
87	Surface characteristics of ionically crosslinked chitosan membranes. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 3884-3888	2.9	27
86	Modeling, design and synthesis of new heteroaryl ethylenes active against the MCF-7 breast cancer cell-line. <i>Molecular BioSystems</i> , <b>2013</b> , 9, 2426-9		24
85	Ratiometric fluorescence sensing and cellular imaging of Cu <sup>2+</sup> by a new water soluble trehalose-naphthalimide based chemosensor. <i>RSC Advances</i> , <b>2013</b> , 3, 24288	3.7	23
84	Plasma oxidized polyhydroxymethylsiloxane--a new smooth surface for supported lipid bilayer formation. <i>Langmuir</i> , <b>2010</b> , 26, 5715-25	4	23
83	Coordination Environment of Cu(II) Ions Bound to N-Terminal Peptide Fragments of Angiogenin Protein. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	23
82	Oxygen plasma-induced conversion of polysiloxane into hydrophilic and smooth SiO <sub>x</sub> surfaces. <i>Surface and Interface Analysis</i> , <b>2008</b> , 40, 649-656	1.5	22
81	Multitarget trehalose-carnosine conjugates inhibit A $\beta$ aggregation, tune copper(II) activity and decrease acrolein toxicity. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 135, 447-457	6.8	21
80	Cell adhesion on low-energy ion beam-irradiated polysiloxane surfaces. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1999</b> , 148, 1079-1084	1.2	21
79	Silver nanoparticles functionalized with a fluorescent cyclic RGD peptide: a versatile integrin targeting platform for cells and bacteria. <i>RSC Advances</i> , <b>2016</b> , 6, 112381-112392	3.7	20

78	Cell adhesion and spreading on polymer surfaces micropatterned by ion beams. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2003</b> , 21, 1145-1151	2.9	20
77	Pericyte adhesion and growth onto polyhydroxymethylsiloxane surfaces nanostructured by plasma treatment and ion irradiation. <i>Microvascular Research</i> , <b>2004</b> , 68, 209-20	3.7	20
76	Fast exopolysaccharide secretion of <i>Pseudomonas aeruginosa</i> on polar polymer surfaces. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 289, 386-93	9.3	20
75	Well-defined lipid interfaces for protein adsorption studies. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 16695-8	3.6	19
74	Surface immobilization of fibronectin-derived PHSRN peptide on functionalized polymer films--effects on fibroblast spreading. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 341, 232-9	9.3	18
73	Surface tailoring of polyacrylate-grafted graphene oxide for controlled interactions at the biointerface. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 506, 532-542	9.3	17
72	Water structure and charge transfer phenomena at the liquid-graphene interface. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14605-10	3.6	17
71	Characterization and cytocompatibility of hybrid aminosilane-agarose hydrogel scaffolds. <i>Biointerphases</i> , <b>2010</b> , 5, 23-9	1.8	17
70	Study of albumin adsorption on ion beam irradiated polymer surfaces. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2000</b> , 166-167, 782-787	1.2	17
69	A neglected modulator of insulin-degrading enzyme activity and conformation: The pH. <i>Biophysical Chemistry</i> , <b>2015</b> , 203-204, 33-40	3.5	16
68	Gold nanoparticles functionalized with PEGylate uncharged porphyrins. <i>Dyes and Pigments</i> , <b>2017</b> , 141, 225-234	4.6	15
67	PJ-34 inhibits PARP-1 expression and ERK phosphorylation in glioma-conditioned brain microvascular endothelial cells. <i>European Journal of Pharmacology</i> , <b>2015</b> , 761, 55-64	5.3	15
66	Different zinc(II) complex species and binding modes at AIN-terminus drive distinct long range cross-talks in the AImonomers. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 153, 367-376	4.2	15
65	PARP-1 inhibitors DPQ and PJ-34 negatively modulate proinflammatory commitment of human glioblastoma cells. <i>Neurochemical Research</i> , <b>2013</b> , 38, 50-8	4.6	15
64	Surface adsorption of fibronectin-derived peptide fragments: the influence of electrostatics and hydrophobicity for endothelial cells adhesion. <i>Soft Matter</i> , <b>2012</b> , 8, 53-56	3.6	15
63	Aminofunctionalization and sub-micrometer patterning on silicon through silane doped agarose hydrogels. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5226		15
62	Ion beam induced nanometric structure and oligopeptide adsorption on patterned polymer surfaces. <i>Materials Science and Engineering C</i> , <b>2003</b> , 23, 779-786	8.3	15
61	The Copper(II)-Assisted Connection between NGF and BDNF by Means of Nerve Growth Factor-Mimicking Short Peptides. <i>Cells</i> , <b>2019</b> , 8,	7.9	14

60	Comparison Between Folic Acid and gH625 Peptide-Based Functionalization of FeO Magnetic Nanoparticles for Enhanced Cell Internalization. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 45	5	14
59	Ultrathin and nanostructured ZnO-based films for fluorescence biosensing applications. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 365, 90-6	9.3	14
58	Confined protein adsorption into nanopore arrays fabricated by colloidal-assisted polymer patterning. <i>Chemical Communications</i> , <b>2008</b> , 5031-3	5.8	14
57	Peptides and their Metal Complexes in Neurodegenerative Diseases: from Structural Studies to Nanomedicine Prospects. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 715-747	4.3	14
56	The Inorganic Side of NGF: Copper(II) and Zinc(II) Affect the NGF Mimicking Signaling of the N-Terminus Peptides Encompassing the Recognition Domain of TrkA Receptor. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 569	5.1	14
55	Electrostatically driven interaction of silica-supported lipid bilayer nanoplatforms and a nerve growth factor-mimicking peptide. <i>Soft Matter</i> , <b>2013</b> , 9, 4648	3.6	13
54	Selective protein adsorption on ZnO thin films for biofunctional nano-platforms. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 5889-93	1.3	13
53	Human serum albumin adsorption onto a-SiC:H and a-C:H thin films deposited by plasma enhanced chemical vapor deposition. <i>New Biotechnology</i> , <b>2002</b> , 19, 85-90		13
52	Protein adsorption and fibroblast adhesion on irradiated polysiloxane surfaces. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2003</b> , 14, 663-70	4.5	13
51	A Hybrid Nanoplatform of Graphene Oxide/Nanogold for Plasmonic Sensing and Cellular Applications at the Nanobiointerface. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 676	2.6	13
50	Relationship between the fibroblastic behaviour and surface properties of RGD-immobilized PCL membranes. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2007</b> , 18, 317-9	4.5	12
49	Cytotoxic phenanthroline derivatives alter metallostasis and redox homeostasis in neuroblastoma cells. <i>Oncotarget</i> , <b>2018</b> , 9, 36289-36316	3.3	12
48	Hyaluronan-Metal Gold Nanoparticle Hybrids for Targeted Tumor Cell Therapy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	11
47	Ferritin-supported lipid bilayers for triggering the endothelial cell response. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 149, 48-55	6	11
46	The influence of fluorescent silica nanoparticle surface chemistry on the energy transfer processes with lipid bilayers. <i>RSC Advances</i> , <b>2016</b> , 6, 52674-52682	3.7	11
45	A Tunable Nanoplatform of Nanogold Functionalised with Angiogenin Peptides for Anti-Angiogenic Therapy of Brain Tumours. <i>Cancers</i> , <b>2019</b> , 11,	6.6	10
44	A novel approach to grow ZnO nanowires and nanoholes by combined colloidal lithography and MOCVD deposition. <i>Chemical Communications</i> , <b>2009</b> , 839-41	5.8	10
43	Binding of Lipid Vesicles to Protein-Coated Solid Polymer Surfaces: A Model for Cell Adhesion to Artificial Biocompatible Materials. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 231, 66-73	9.3	10

42	Anti-Angiogenic and Anti-Proliferative Graphene Oxide Nanosheets for Tumor Cell Therapy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	9
41	Asthenozoospermia and membrane remodeling enzymes: a new role for phospholipase A2. <i>Andrology</i> , <b>2015</b> , 3, 1173-82	4.2	8
40	UV-O3-treated and protein-coated polymer surfaces facilitate endothelial cell adhesion and proliferation mediated by the PKC $\alpha$ /ERK/cPLA2 pathway. <i>Microvascular Research</i> , <b>2008</b> , 75, 330-42	3.7	8
39	pH sensitive functionalized graphene oxide as a carrier for delivering gemcitabine: A computational approach. <i>Computational and Theoretical Chemistry</i> , <b>2016</b> , 1096, 1-6	2	8
38	Fluorescent Copper Probe Inhibiting A $\beta$ -16-Copper(II)-Catalyzed Intracellular Reactive Oxygen Species Production. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3729-3732	5.1	7
37	Organic Solvent Based Synthesis of Gold Nanoparticle $\pi$ -Semiconducting 2H-MoS2 Hybrid Nanosheets. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10646-10657	3.8	7
36	Angiogenin-mimetic peptide functionalised gold nanoparticles for cancer therapy applications. <i>Microchemical Journal</i> , <b>2018</b> , 136, 157-163	4.8	7
35	Immobilization of Neurotrophin Peptides on Gold Nanoparticles by Direct and Lipid-Mediated Interaction: A New Multipotential Therapeutic Nanoplatform for CNS Disorders. <i>ACS Omega</i> , <b>2017</b> , 2, 4071-4079	3.9	7
34	The hybrid nanobiointerface between nitrogen-doped graphene oxide and lipid membranes: a theoretical and experimental study. <i>AIMS Materials Science</i> , <b>2016</b> , 4, 43-60	1.9	7
33	Theranostic Nanoplatforms of Thiolated Reduced Graphene Oxide Nanosheets and Gold Nanoparticles. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5529	2.6	7
32	Gold nanoparticles functionalized with angiogenin-mimicking peptides modulate cell membrane interactions. <i>Biointerphases</i> , <b>2018</b> , 13, 03C401	1.8	6
31	Neurotrophin-mimicking peptides at the biointerface with gold respond to copper ion stimuli. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 30595-30604	3.6	6
30	Self-organization of yeast cells on modified polymer surfaces after dewetting: new perspectives in cellular patterning. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S2221-S2230	1.8	6
29	mPEG-PLGA Nanoparticles Labelled with Loaded or Conjugated Rhodamine-B for Potential Nose-to-Brain Delivery. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	6
28	Thermoresponsive and bioactive poly(vinyl ether)-based hydrogels synthesized by radiation copolymerization and photochemical immobilization. <i>Radiation Physics and Chemistry</i> , <b>2008</b> , 77, 154-161	2.5	5
27	Angiogenin and Copper Crossing in Wound Healing. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
26	Light-Triggered Polymeric Nanobombs for Targeted Cell Death. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 1950-1960	5.6	5
25	Copper complexes of synthetic peptides mimicking neurotrophin-3 enhance neurite outgrowth and CREB phosphorylation. <i>Metallomics</i> , <b>2019</b> , 11, 1567-1578	4.5	4

24	hNGF Peptides Elicit the NGF-TrkA Signalling Pathway in Cholinergic Neurons and Retain Full Neurotrophic Activity in the DRG Assay. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	4
23	Integration of metal organic chemical vapour deposition and wet chemical techniques to obtain highly ordered porous ZnO nanoplateforms. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 8180-4 <sup>1-3</sup>		4
22	Colloidal lithography and Metal-Organic Chemical Vapor Deposition process integration to fabricate ZnO nanohole arrays. <i>Thin Solid Films</i> , <b>2010</b> , 518, 4484-4488	2.2	4
21	Hyaluronan-carnosine conjugates inhibit Aβ aggregation and toxicity. <i>Scientific Reports</i> , <b>2020</b> , 10, 15998	4.9	4
20	Gold Nanoparticles Functionalized with Angiogenin for Wound Care Application. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
19	Adsorption of a cell-adhesive oligopeptide on polymer surfaces irradiated by ion beams. <i>Bio-Medical Materials and Engineering</i> , <b>2005</b> , 15, 87-99	1	4
18	Graphene Oxide Nanosheets Tailored With Aromatic Dipeptide Nanoassemblies for a Tuneable Interaction With Cell Membranes. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 427	5.8	3
17	Sulphur functionalization of graphene oxide by radiofrequency plasma. <i>Plasma Processes and Polymers</i> , <b>2020</b> , 17, 2000039	3.4	3
16	Lipid vesicle adsorption on micropore arrays prepared by colloidal lithography-based deposition approaches. <i>RSC Advances</i> , <b>2012</b> , 2, 3607	3.7	3
15	Metal ion coordination in peptide fragments of neurotrophins: A crucial step for understanding the role and signaling of these proteins in the brain. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 435, 213790	23.2	3
14	Porphyrin-Based Supramolecular Flaps in the Thermal Gradients: What Breaks the Symmetry, How and Why. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
13	β Amyloid monomers drive up neuronal aerobic glycolysis in response to energy stressors. <i>Aging</i> , <b>2021</b> , 13, 18033-18050	5.6	3
12	Influence of the N-terminus acetylation of Semax, a synthetic analog of ACTH(4-10), on copper(II) and zinc(II) coordination and biological properties. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 164, 59-69	4.2	2
11	Microcapillary-like structures prompted by phospholipase A2 activation in endothelial cells and pericytes co-cultures on a polyhydroxymethylsiloxane thin film. <i>Biochimie</i> , <b>2012</b> , 94, 1860-70	4.6	2
10	Application of hybrid agarose-aminosilane gels to the biofunctionalization of honeycomb-structured polycaprolactone scaffolds. <i>Surface and Interface Analysis</i> , <b>2010</b> , 42, 448-451	1.5	2
9	A novel facile one-pot synthesis of photothermally responsive carbon polymer dots as promising drug nanocarriers. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	2
8	The curious case of opossum prion: a physicochemical study on copper(ii) binding to the bis-decarepeat fragment from the protein N-terminal domain. <i>Dalton Transactions</i> , <b>2019</b> , 48, 17533-17543 <sup>3</sup>		2
7	PARP-14 Promotes Survival of Mammalian But Not Pancreatic Cells Following Cytokine Treatment. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 271	5.7	1



6	New Di(heteroaryl)ethenes as Apoptotic Anti-proliferative Agents Towards Breast Cancer: Design, One-Pot Synthesis and In Vitro Evaluation. <i>ChemistrySelect</i> , <b>2020</b> , 5, 2581-2587	1.8	1
5	Specific, Surface-Driven, and High-Affinity Interactions of Fluorescent Hyaluronan with PEGylated Nanomaterials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6806-6813	9.5	1
4	A Multifunctional Nanoplatfom Made of Gold Nanoparticles and Peptides Mimicking the Vascular Endothelial Growth Factor. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6333	2.6	1
3	Oxaliplatin inhibits angiogenin proliferative and cell migration effects in prostate cancer cells. <i>Journal of Inorganic Biochemistry</i> , <b>2022</b> , 226, 111657	4.2	0
2	Tuning the wicking and wettability properties of PET textiles by DBD or a remote atmospheric RF torch: A comparison. <i>Plasma Processes and Polymers</i> , <b>2021</b> , 18, 2100005	3.4	0
1	Irradiation-Controlled Adsorption and Organization of Biomolecules on Surfaces: From the Nanometric to the Mesoscopic Level <b>2004</b> , 71-94		