

# Cristiano Giacomelli

## List of Publications by Year in descending order

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70  
papers

2,880  
citations

257450

24  
h-index

168389

53  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the inhibitor effect of l-ascorbic acid on the corrosion of mild steel. <i>Materials Chemistry and Physics</i> , 2004, 83, 129-134.	4.0	776
2	Thermal stability of films formed by soy protein isolate-sodium dodecyl sulfate. <i>Polymer Degradation and Stability</i> , 2005, 87, 25-31.	5.8	192
3	Phosphorylcholine-Based pH-Responsive Diblock Copolymer Micelles as Drug Delivery Vehicles: Light Scattering, Electron Microscopy, and Fluorescence Experiments. <i>Biomacromolecules</i> , 2006, 7, 817-828.	5.4	150
4	Electrochemical oxidation of quercetin in hydro-alcoholic solution. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 139-148.	0.6	118
5	Nanocontainers Formed by Self-Assembly of Poly(ethylene oxide)-b-poly(glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,582 Td 115	4.8	115
6	Antioxidant capacity of phenolic and related compounds: correlation among electrochemical, visible spectroscopy methods and structure-antioxidant activity. <i>Redox Report</i> , 2001, 6, 243-250.	4.5	114
7	Electrochemistry of Caffeic Acid Aqueous Solutions with pH 2.0 to 8.5. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 332-338.	0.6	96
8	Adsorption behavior of caffeine as a green corrosion inhibitor for copper. <i>Materials Science and Engineering C</i> , 2012, 32, 2436-2444.	7.3	85
9	Block Copolymer Systems: From Single Chain to Self-Assembled Nanostructures. <i>Langmuir</i> , 2010, 26, 15734-15744.	3.5	78
10	pH-triggered block copolymer micelles based on a pH-responsive PDPA (poly[2-(diisopropylamino)ethyl] Tj ETQq0 0.0 rgBT /Overlock 10 Tf 50,582 Td 115 cancer therapy. <i>Soft Matter</i> , 2011, 7, 9316.	2.7	77
11	Specific Interactions Improve the Loading Capacity of Block Copolymer Micelles in Aqueous Media. <i>Langmuir</i> , 2007, 23, 6947-6955.	3.5	73
12	Effect of deposition temperature on microstructure and corrosion resistance of ZrN thin films deposited by DC reactive magnetron sputtering. <i>Materials Chemistry and Physics</i> , 2011, 130, 147-153.	4.0	68
13	Antioxidant activity of phenolic and related compounds: a density functional theory study on the O-H bond dissociation enthalpy. <i>Redox Report</i> , 2004, 9, 263-269.	4.5	56
14	Inhibitor effect of succinic acid on the corrosion resistance of mild steel: electrochemical, gravimetric and optical microscopic studies. <i>Materials Chemistry and Physics</i> , 2004, 83, 124-128.	4.0	49
15	Microstructure and corrosion behaviour of pulsed plasma-nitrided AISI H13 tool steel. <i>Corrosion Science</i> , 2010, 52, 3133-3139.	6.6	44
16	Local Administration of Gold Nanoparticles Prevents Pivotal Pathological Changes in Murine Models of Atopic Asthma. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1038-1050.	1.1	43
17	Physicochemical Properties of Methylcellulose and Dodecyltrimethylammonium Bromide in Aqueous Medium. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5868-5876.	2.6	34
18	Direct synthesis of coated gold nanoparticles mediated by polymers with amino groups. <i>Journal of Colloid and Interface Science</i> , 2013, 397, 114-121.	9.4	34

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19	Influence of the Macromolecular Architecture on the Self-Assembly of Amphiphilic Copolymers Based on Poly( <i>N,N</i> -dimethylamino-2-ethyl methacrylate) and Poly( $\mu$ -caprolactone). <i>Langmuir</i> , 2008, 24, 8272-8279.	3.5	32
20	Polypropylene surface modification by active screen plasma nitriding. <i>Materials Science and Engineering C</i> , 2009, 29, 363-366.	7.3	32
21	Controlled One-Pot Synthesis of Polystyrene-block-Polycaprolactone Copolymers by Simultaneous RAFT and ROP. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2336-2344.	2.2	32
22	Diblock Copolymer Micellar Nanoparticles Decorated with Annexin-A5 Proteins. <i>Journal of the American Chemical Society</i> , 2006, 128, 9010-9011.	13.7	27
23	Light scattering evidence of selective protein fouling on biocompatible block copolymer micelles. <i>Nanoscale</i> , 2012, 4, 4504.	5.6	27
24	Effect of electrolytic ZrO <sub>2</sub> coatings on the breakdown potential of NiTi wires used as endovascular implants. <i>Materials Letters</i> , 2005, 59, 754-758.	2.6	26
25	Nanoparticle-Cell Interactions: Surface Chemistry Effects on the Cellular Uptake of Biocompatible Block Copolymer Assemblies. <i>Langmuir</i> , 2018, 34, 2180-2188.	3.5	24
26	Polymer-coated palladium nanoparticle catalysts for Suzuki coupling reactions. <i>Journal of Colloid and Interface Science</i> , 2015, 439, 154-161.	9.4	23
27	Aqueous Self-Assembly of Polystyrene Chains End-Functionalized with $\beta$ -Cyclodextrin. <i>Biomacromolecules</i> , 2009, 10, 449-453.	5.4	22
28	Fluorescent Vesicles Consisting of Galactose-based Amphiphilic Copolymers with a Conjugated Sequence Self-Assembled in Water. <i>Macromolecular Rapid Communications</i> , 2011, 32, 912-916.	3.9	22
29	Uniaxial compression and stretching deformation of an i-PP/EPDM/organoclay nanocomposite. <i>Polymer</i> , 2011, 52, 1037-1044.	3.8	21
30	Behavior of a Co-Cr-Mo biomaterial in simulated body fluid solutions studied by electrochemical and surface analysis techniques. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 541-547.	0.6	19
31	Morphology of Poly(ethylene oxide)-block-Polycaprolactone Block Copolymer Micelles Controlled via the Preparation Method. <i>Macromolecular Symposia</i> , 2006, 245-246, 147-153.	0.7	18
32	Aggregation of a Versatile Triblock Copolymer into pH-Responsive Cross-Linkable Nanostructures in Both Organic and Aqueous Media. <i>Langmuir</i> , 2009, 25, 13361-13367.	3.5	18
33	Carbon nitride film deposition by active screen plasma nitriding. <i>Materials Letters</i> , 2011, 65, 2985-2988.	2.6	18
34	Electrochemistry of vitamin E hydro-alcoholic solutions. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 748-755.	0.6	17
35	Soy Protein Isolate Based Films: Influence of Sodium Dodecyl Sulfate and Polycaprolactone-triol on Their Properties. <i>Macromolecular Symposia</i> , 2005, 229, 127-137.	0.7	17
36	Gene Transfection Mediated by Cationic Polymers Requires Free Highly Charged Polymer Chains To Overcome Intracellular Barriers. <i>Biomacromolecules</i> , 2017, 18, 1918-1927.	5.4	17

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37	Interaction of poly(4-vinylpyridine) with copper surfaces: electrochemical, thermal and spectroscopic studies. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 818-824.	0.6	16
38	<i>In vivo</i> human electrochemical properties of a NiTi-based alloy (Nitinol) used for minimally invasive implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 1072-1078.	4.0	16
39	Synthesis of Grafted Block Copolymers Based on $\epsilon$ -Caprolactone: Influence of Branches on Their Thermal Behavior. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2331-2343.	2.2	16
40	Synthesis, structure and SOD activity of Mn complexes with symmetric Schiff base ligands derived from pyridoxal. <i>Polyhedron</i> , 2015, 102, 176-184.	2.2	16
41	Efficient Condensation of DNA into Environmentally Responsive Polyplexes Produced from Block Cationomers Carrying Amine or Diamine Groups. <i>Langmuir</i> , 2016, 32, 577-586.	3.5	15
42	The effect of oxalic acid on the corrosion of carbon steel. <i>Anti-Corrosion Methods and Materials</i> , 2004, 51, 105-111.	1.5	14
43	Potentiometric acidity determination in humic substances influenced by different analytical procedures. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1715-1723.	0.6	14
44	Polyelectrolyte Behavior of Diblock Copolymer Micelles Having Phosphonic Diacid Groups at the Corona. <i>Macromolecules</i> , 2008, 41, 2195-2202.	4.8	13
45	Easy access to 19 F-labeled nanoparticles for use as MRI contrast probes via self-assembly of fluorinated copolymers synthesized by sequential RAFT polymerization. <i>Journal of Fluorine Chemistry</i> , 2014, 168, 251-259.	1.7	12
46	Polycaprolactone-b-Poly(ethylene oxide) Biocompatible Micelles as Drug Delivery Nanocarriers: Dynamic Light Scattering and Fluorescence Experiments. <i>Macromolecular Symposia</i> , 2005, 229, 107-117.	0.7	11
47	Properties of potentiostatic passive films grown on iron electrodes immersed in weak alkaline phosphate solutions. <i>Anti-Corrosion Methods and Materials</i> , 2006, 53, 232-239.	1.5	11
48	ATRP of Silylated Glycerol Monomethacrylate in Organic Medium for Convenient Synthesis of Amphiphilic Copolymers. <i>Macromolecular Rapid Communications</i> , 2008, 29, 573-579.	3.9	10
49	X-ray characterization and <i>in vitro</i> biological evaluation of 1-(4-amidophenyl)-3-(4-acetylphenyl)triazene and the gold(I) triazenide complex $\{Au(I)[RPhNNNPhR]_2[PPh_3]\}$ [R = (C O)NH <sub>2</sub> , R = (C O)CH <sub>3</sub> ]. <i>Inorganica Chimica Acta</i> , 2016, 441, 78-85.	2.4	10
50	A potentiodynamic and SEM study of the behaviour of iron in pH 8.9-11.0 phosphate solutions. <i>Anti-Corrosion Methods and Materials</i> , 2004, 51, 189-199.	1.5	9
51	Thermal Characterization of Comb-Like Block Copolymers Based on PCL Obtained by Combining ROP and RAFT Polymerizations. <i>Macromolecular Symposia</i> , 2016, 368, 84-92.	0.7	8
52	Formation of Annexin-A5 Protein/Block Copolymer Micelle Complexes: QCM-D and PAGE Experiments. <i>Langmuir</i> , 2008, 24, 12189-12195.	3.5	7
53	Protective effect of poly(4-Vinylpyridine) containing surface films to the corrosion of copper. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 9-16.	0.6	6
54	Nanostructured Films Made from Zwitterionic Phosphorylcholine Diblock Copolymer Systems. <i>Macromolecules</i> , 2011, 44, 2240-2244.	4.8	6

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55	Improvement in abrasive wear resistance of metallocenic polypropylenes by adding siloxane based polymers. <i>Materials Chemistry and Physics</i> , 2017, 188, 100-108.	4.0	6
56	Towards an easy access to Annexin-A5 protein binding block copolymer micelles. <i>Materials Science and Engineering C</i> , 2008, 28, 479-488.	7.3	5
57	Isomer-dependent properties of poly(vinyl pyridine)-based films grown on copper surfaces. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 215-225.	2.1	5
58	Tailor-Made, Linear, and "Comb-Like" Polyester-Based Copolymers: Synthesis, Characterization, and Thermal Behavior of Potential 3D-Printing/Electrospinning Candidates. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-15.	2.7	5
59	Characterization of Sintered and Sintered/Plasma-Nitrided Fe-1.5% Mo Alloy by SEM, X-Ray Diffraction and Electrochemical Techniques. <i>Materials Research</i> , 2002, 5, 165-172.	1.3	4
60	Microstructure and surface composition effects on the transpassivation of NiTi wires for implant purposes. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, .	0.6	4
61	Structure of Micelles Formed by Highly Asymmetric Polystyrene- <i>b</i> -Polydimethylsiloxane and Polystyrene- <i>b</i> -poly[5-( <i>N,N</i> -diethylamino)isoprene] Diblock Copolymers. <i>Langmuir</i> , 2010, 26, 14494-14501.	3.5	4
62	Anionic Ring Opening Polymerization of $\epsilon$ -Caprolactone Initiated by Lithium Silanolates. <i>Australian Journal of Chemistry</i> , 2017, 70, 106.	0.9	4
63	Nanostructure of polystyrene- <i>b</i> -poly(2-hydroxyethyl methacrylate) and derivatives with phosphonic diacid groups. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 747-752.	0.6	3
64	Film/contact loading method improves the encapsulated amount of triazene anticancer compounds in polymeric micelles. <i>Materials Science and Engineering C</i> , 2013, 33, 2221-2228.	7.3	3
65	Synthesis of Submicrometer Calcium Carbonate Particles from Inorganic Salts Using Linear Polymers as Crystallization Modifiers. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	3
66	Effects of Branches on the Isothermal Crystallization of Copolymers Based on Poly( $\epsilon$ -caprolactone). <i>Macromolecular Symposia</i> , 2019, 383, 1700082.	0.7	3
67	Strain effects in epitaxially grown La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. <i>Physica B: Condensed Matter</i> , 2002, 320, 83-85.	2.7	2
68	One-Pot Two-Step (First ROP, Then SET-LRP) Synthesis of Polycaprolactone-Polyacrylate Star Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700486.	2.2	2
69	Facile one-pot synthesis and solution behavior of poly(acrylic acid)-block-polycaprolactone copolymers. <i>Journal of Molecular Liquids</i> , 2019, 273, 99-106.	4.9	2
70	Electrochemical stability of magnetron-sputtered Ti films on sintered and sintered/plasma nitrided Fe-1.5% Mo alloy. <i>Surface and Coatings Technology</i> , 2005, 191, 206-211.	4.8	1