

# Lorenzo Franco

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8879650/publications.pdf>

Version: 2024-02-01

67  
papers

2,106  
citations

236912

25  
h-index

243610

44  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rosiglitazone Reduces Glucose-Induced Oxidative Stress Mediated by NAD(P)H Oxidase via AMPK-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2627-2633.	2.4	205
2	One-Dimensional and Two-Dimensional Coordination Polymers from Self-Assembling of Trinuclear Triangular Cu(II) Secondary Building Units. <i>Inorganic Chemistry</i> , 2005, 44, 6265-6276.	4.0	143
3	Synthesis and Photochemical Applications of Processable Polymers Enclosing Photoluminescent Carbon Quantum Dots. <i>ACS Nano</i> , 2015, 9, 4156-4164.	14.6	129
4	Spontaneous Self-Assembly of an Unsymmetric Trinuclear Triangular Copper(II) Pyrazolate Complex, [Cu <sub>3</sub> ( $\frac{1}{4}$ -OH)( $\frac{1}{4}$ -pz) <sub>3</sub> (MeCOO) <sub>2</sub> (Hpz)] (Hpz = Pyrazole). Synthesis, Experimental and Theoretical Characterization, Reactivity, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2004, 43, 5865-5876.	4.0	117
5	Spectroscopic Insights into Carbon Dot Systems. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2236-2242.	4.6	111
6	Solvent Polarity and pH Effects on the Magnetic Properties of Ionizable Nitroxide Radicals: A Combined Computational and Experimental Study of 2,2,5,5-Tetramethyl-3-carboxypyrrolidine and 2,2,6,6-Tetramethyl-4-carboxypiperidine Nitroxides. <i>Journal of Physical Chemistry A</i> , 2002, 106, 10700-10706.	2.5	84
7	Insulin Generates Free Radicals by an NAD(P)H, Phosphatidylinositol 3'-Kinase-Dependent Mechanism in Human Skin Fibroblasts Ex Vivo. <i>Diabetes</i> , 2004, 53, 1344-1351.	0.6	79
8	Electron Spin Polarization of Functionalized Fullerenes. Reversed Quartet Mechanism. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11144-11154.	2.5	57
9	Circulating levels and characterization of microparticles in patients with different degrees of glucose tolerance. <i>Cardiovascular Diabetology</i> , 2017, 16, 118.	6.8	55
10	Magnetic Properties and Vapochromic Reversible Guest-Induced Transformation in a Bispyrazolato Copper(II) Polymer: an Experimental and Dispersion-Corrected Density Functional Theory Study. <i>Inorganic Chemistry</i> , 2009, 48, 4044-4051.	4.0	44
11	Effect of residual catalyst on solar cells made of a fluorene-thiophene-benzothiadiazole copolymer as electron-donor: A combined electrical and photophysical study. <i>Organic Electronics</i> , 2012, 13, 550-559.	2.6	43
12	Micellar aggregation of alkyltrimethylammonium bromide surfactants studied by electron paramagnetic resonance of an anionic nitroxide. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4204.	2.8	42
13	Synthesis and magnetic properties of N@C <sub>60</sub> derivatives. <i>Chemical Physics Letters</i> , 2006, 422, 100-105.	2.6	42
14	Solar cells based on a fullerene-azothiophene dyad. <i>Chemical Communications</i> , 2002, , 2028-2029.	4.1	40
15	Unraveling Solvent-Driven Equilibria between $\pm$ - and $3\langle 10 \rangle$ -Helices through an Integrated Spin Labeling and Computational Approach. <i>Journal of the American Chemical Society</i> , 2007, 129, 11248-11258.	13.7	40
16	Vitamin C prevents zidovudine-induced NAD(P)H oxidase activation and hypertension in the rat. <i>Cardiovascular Research</i> , 2007, 73, 432-438.	3.8	39
17	Time-Resolved EPR of Photoinduced Excited States in a Semiconducting Polymer/PCBM Blend. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1554-1560.	3.1	36
18	Crystal violet: Study of the photo-fading of an early synthetic dye in aqueous solution and on paper with HPLC-PDA, LC-MS and FORS. <i>Journal of Physics: Conference Series</i> , 2010, 231, 012011.	0.4	35

#	ARTICLE	IF	CITATIONS
19	Thia-bridged triarylamine heterohelicene radical cations as redox-driven molecular switches. <i>Chemical Communications</i> , 2015, 51, 11452-11454.	4.1	34
20	Ab Initio Modeling of CW-ESR Spectra of the Double Spin Labeled Peptide Fmoc-(Aib-Aib-TOAC) <sub>2</sub> -Aib-OMe in Acetonitrile. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2668-2674.	2.6	32
21	Evidence of high charge mobility in photoirradiated polythiophene/fullerene composites. <i>Journal of Materials Chemistry</i> , 2001, 11, 981-983.	6.7	31
22	Boosting carbon quantum dots/fullerene electron transfer via surface group engineering. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31286-31295.	2.8	31
23	Stochastic Modeling of CW-ESR Spectroscopy of [60]Fulleropyrrolidine Bisadducts with Nitroxide Probes. <i>Journal of the American Chemical Society</i> , 2006, 128, 4734-4741.	13.7	27
24	Peptide-Driven Charge Transfer Organogels Built from Synergetic Hydrogen Bonding and Pyrene-Naphthalenediimide Donor-Acceptor Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 2920-2928.	3.3	27
25	Thermoinduced Lipid Oxidation of a Culinary Oil: A Kinetic Study of the Oxidation Products by Magnetic Resonance Spectroscopies. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10059-10065.	2.5	26
26	Investigation of the Inner Environment of Carbon Nanotubes with a Fullerene Nitroxide Probe. <i>Small</i> , 2008, 4, 350-356.	10.0	25
27	Transient EPR emission spectra of a free radical trapped in a single crystal of chloranil. <i>Chemical Physics Letters</i> , 1993, 210, 355-361.	2.6	24
28	First observation of the hyperfine structure of an excited quintet state in liquid solution. <i>Chemical Communications</i> , 2005, , 2128.	4.1	24
29	TR-EPR of single and double spin labelled C <sub>60</sub> derivatives: observation of quartet and quintet excited states in solution. <i>Molecular Physics</i> , 2006, 104, 1543-1550.	1.7	23
30	Insulin generates free radicals in human fibroblasts ex vivo by a protein kinase C-dependent mechanism, which is inhibited by pravastatin. <i>Free Radical Biology and Medicine</i> , 2006, 41, 473-483.	2.9	23
31	Electron spin polarization of doublet state species due to interaction with excited triplet states in single crystals. <i>Applied Magnetic Resonance</i> , 1994, 7, 257-269.	1.2	22
32	Chemically induced dynamic electron polarization of C <sub>60</sub> nitroxide bisadducts and spin multiplicity of their excited states. <i>Applied Magnetic Resonance</i> , 2001, 20, 71-83.	1.2	20
33	W-band transient EPR and photoinduced absorption on spin-labeled fullerene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3942.	2.8	20
34	Synthesis, EPR and ENDOR of [60]Fulleropyrrolidine Bisadducts with Nitroxide Addends: Magnitude and Sign of the Exchange Interaction. <i>ChemPhysChem</i> , 2002, 3, 527.	2.1	19
35	A Study of the Microstructural and Diffusion Properties of Poly(vinyl alcohol) Cryogels Containing Surfactant Supramolecular Aggregates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23031-23040.	2.6	19
36	Probing photoinduced electron-transfer in graphene-dye hybrid materials for DSSC. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27716-27724.	2.8	19

#	ARTICLE	IF	CITATIONS
37	The critical role of interfacial dynamics in the stability of organic photovoltaic devices. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8294-8300.	2.8	18
38	Hybrid Organic/Inorganic Perovskite-Polymer Nanocomposites: Toward the Enhancement of Structural and Electrical Properties. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5981-5986.	4.6	18
39	CIDEP of fullerene C60 biradical bisadducts by intramolecular triplet-triplet quenching: a novel spin polarization mechanism for biradicals. <i>Chemical Physics Letters</i> , 2000, 330, 287-292.	2.6	17
40	Angiotensin II-induced over-activation of p47phox in fibroblasts from hypertensives: which role in the enhanced ERK1/2 responsiveness to angiotensin II?. <i>Journal of Hypertension</i> , 2005, 23, 793-800.	0.5	17
41	Time resolved EPR of triplet excitons in Phenazine-TCNQ charge transfer crystal. <i>Applied Magnetic Resonance</i> , 1992, 3, 797-813.	1.2	16
42	Synthesis, Photophysics, and Photoresponse of Fullerene-Based Azoaromatic Dyads. <i>Chemistry - A European Journal</i> , 2005, 11, 5765-5776.	3.3	16
43	A fullerene-based dyad for organic photovoltaic cells. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 51-58.	2.3	15
44	A fullerene-azothiophene dyad for photovoltaics. <i>Synthetic Metals</i> , 2003, 139, 585-588.	3.9	14
45	Intermolecular electron transfer in merocyanine aggregates studied by optical and transient EPR methods. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1736-1742.	2.8	13
46	TR-EPR of single and double spin-labeled C60 derivatives in frozen matrices. <i>Applied Magnetic Resonance</i> , 2006, 30, 577-590.	1.2	13
47	Stabilization of catalytic sol-gel entrapped perruthenate. <i>Tetrahedron Letters</i> , 2008, 49, 419-423.	1.4	13
48	Engineering interactions in QDs-PCBM blends: a surface chemistry approach. <i>Nanoscale</i> , 2018, 10, 11913-11922.	5.6	13
49	Time-Resolved Electron Paramagnetic Resonance of Photoinduced Ion Pairs in Blends of Polythiophene and Fullerene Derivatives. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13431-13435.	2.6	12
50	Spin-labeled fulleropyrrolidines. <i>Comptes Rendus Chimie</i> , 2006, 9, 909-915.	0.5	11
51	Dynamics of a Nitroxide Layer Grafted onto Porous Silicon. <i>Langmuir</i> , 2010, 26, 1889-1893.	3.5	11
52	Thermo-induced lipid oxidation of a culinary oil: The effect of materials used in common food processing on the evolution of oxidised species. <i>Food Chemistry</i> , 2012, 133, 754-759.	8.2	11
53	Unexpected high ordering of a [60]Fullerene nitroxide in the nematic phase of 4-azoxyanisole. <i>Liquid Crystals</i> , 2002, 29, 203-208.	2.2	10
54	Time-resolved EPR study of spin polarization and dynamics of F+ centres in additively coloured CaO crystals. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 3267.	1.7	9

#	ARTICLE	IF	CITATIONS
55	The Orientation of the Principal Axes of the Electron Dipolar Interaction Tensor in Triplet State C 60 Monoadducts. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 394, 31-43.	0.9	9
56	The first observation of electron spin polarization in the excited triplet states caused by the triplet-triplet annihilation. <i>Applied Magnetic Resonance</i> , 2005, 28, 181-193.	1.2	9
57	Synthesis and Conformational Characterisation of Hexameric $\alpha$ -Peptide Foldamers by Using Double POAC Spin Labelling and cw-EPR. <i>Chemistry - A European Journal</i> , 2010, 16, 11160-11166.	3.3	8
58	Time resolved EPR of [70]fullerene monoadducts in the photoexcited triplet state. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14358.	2.8	7
59	A film-forming graphene/diketopyrrolopyrrole covalent hybrid with far-red optical features: Evidence of photo-stability. <i>Synthetic Metals</i> , 2019, 258, 116201.	3.9	7
60	Control of Electron Transfer Processes in Multidimensional Arylamine-Based Mixed-Valence Compounds by Molecular Backbone Design. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7840-7851.	2.5	7
61	Tuning the Electron-Acceptor Properties of [60]Fullerene by Tailored Functionalization for Application in Bulk Heterojunction Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 676-684.	2.7	6
62	Optical spectrum of C60 mono-adducts: assignment of transition bands using time-resolved EPR magneto-photo-selection. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 1177.	2.9	5
63	Laser light polarization plastic visualizer: light scattering distribution and anisotropy. <i>RSC Advances</i> , 2013, 3, 7677.	3.6	5
64	The central role of ligands in electron transfer from perovskite nanocrystals. <i>MRS Advances</i> , 2017, 2, 2327-2335.	0.9	5
65	Time Resolved EPR of Excited Triplet C60 Aligned in Nematic Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9491-9497.	2.6	4
66	Solar Cells Based on a Fullerene-Azothiophene Dyad. <i>ChemInform</i> , 2003, 34, no.	0.0	0
67	Optical excitations dynamics at hetero-interfaces fullerene/quantum dots. , 2017, , .		0