

Lorenzo Franco

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,834
citations

23
h-index

40
g-index

68
ext. papers

1,969
ext. citations

4.4
avg. IF

4.02
L-index

#	Paper	IF	Citations
65	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	2.8	2
64	A film-forming graphene/diketopyrrolopyrrole covalent hybrid with far-red optical features: Evidence of photo-stability. <i>Synthetic Metals</i> , 2019 , 258, 116201	3.6	5
63	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	4.8	18
62	Engineering interactions in QDs-PCBM blends: a surface chemistry approach. <i>Nanoscale</i> , 2018 , 10, 11913-11928	7.1	28
61	Spectroscopic Insights into Carbon Dot Systems. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2236-2243	6.4	87
60	Circulating levels and characterization of microparticles in patients with different degrees of glucose tolerance. <i>Cardiovascular Diabetology</i> , 2017 , 16, 118	8.7	41
59	Probing photoinduced electron-transfer in graphene-dye hybrid materials for DSSC. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27716-27724	3.6	18
58	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	6.4	15
57	The central role of ligands in electron transfer from perovskite nanocrystals. <i>MRS Advances</i> , 2017 , 2, 2327-2335	0.7	4
56	Boosting carbon quantum dots/fullerene electron transfer via surface group engineering. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31286-31295	3.6	25
55	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	3	6
54	Thia-bridged triarylamine heterohelicene radical cations as redox-driven molecular switches. <i>Chemical Communications</i> , 2015 , 51, 11452-4	5.8	25
53	Synthesis and photochemical applications of processable polymers enclosing photoluminescent carbon quantum dots. <i>ACS Nano</i> , 2015 , 9, 4156-64	16.7	112
52	The critical role of interfacial dynamics in the stability of organic photovoltaic devices. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8294-300	3.6	15
51	Time-Resolved EPR of Photoinduced Excited States in a Semiconducting Polymer/PCBM Blend. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 1554-1560	3.8	28
50	Laser light polarization plastic visualizer: light scattering distribution and anisotropy. <i>RSC Advances</i> , 2013 , 3, 7677	3.7	3
49	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	3.5	37

48	Time resolved EPR of [70]fullerene monoadducts in the photoexcited triplet state. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 14358-64	3.6	7
47	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	8.5	9
46	W-band transient EPR and photoinduced absorption on spin-labeled fullerene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3942-51	3.6	15
45	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	0.3	23
44	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, 10059-65	2.8	20
43	Dynamics of a nitroxide layer grafted onto porous silicon. <i>Langmuir</i> , 2010 , 26, 1889-93	4	11
42	Synthesis and conformational characterisation of hexameric peptide foldamers by using double POAC spin labelling and cw-EPR. <i>Chemistry - A European Journal</i> , 2010 , 16, 11160-6	4.8	8
41	Magnetic properties and vapo-chromic 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, 4044-51	5.1	40
40	Investigation of the inner environment of carbon nanotubes with a fullerene-nitroxide probe. <i>Small</i> , 2008 , 4, 350-6	11	23
39	Stabilization of catalytic sol-gel entrapped perruthenate. <i>Tetrahedron Letters</i> , 2008 , 49, 419-423	2	12
38	Ab initio modeling of CW-ESR spectra of the double spin labeled peptide Fmoc-(Aib-Aib-TOAC) ₂ -Aib-OMe in acetonitrile. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 2668-74	3.4	30
37	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, 2627-33	9.4	188
36	Vitamin C prevents zidovudine-induced NAD(P)H oxidase activation and hypertension in the rat. <i>Cardiovascular Research</i> , 2007 , 73, 432-8	9.9	36
35	Unraveling solvent-driven equilibria between alpha- and 3(10)-helices through an integrated spin labeling and computational approach. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11248-58	16.4	39
34	TR-EPR of single and double spin-labeled C60 derivatives in frozen matrices. <i>Applied Magnetic Resonance</i> , 2006 , 30, 577-590	0.8	11
33	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, 473-83	7.8	23
32	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, 1177-82	4.2	4
31	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, 23031-40	3.4	17

30	TR-EPR of single and double spin labelled C60 derivatives: observation of quartet and quintet excited states in solution. <i>Molecular Physics</i> , 2006 , 104, 1543-1550	1.7	18
29	Stochastic modeling of CW-ESR spectroscopy of [60]fulleropyrrolidine bisadducts with nitroxide probes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4734-41	16.4	25
28	Spin-labeled fulleropyrrolidines. <i>Comptes Rendus Chimie</i> , 2006 , 9, 909-915	2.7	10
27	Synthesis and magnetic properties of N@C60 derivatives. <i>Chemical Physics Letters</i> , 2006 , 422, 100-105	2.5	39
26	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, 13431-5	3.4	12
25	Electron spin polarization of functionalized fullerenes. Reversed quartet mechanism. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 11144-54	2.8	37
24	One-dimensional and two-dimensional coordination polymers from self-assembling of trinuclear triangular Cu(II) secondary building units. <i>Inorganic Chemistry</i> , 2005 , 44, 6265-76	5.1	137
23	First observation of the hyperfine structure of an excited quintet state in liquid solution. <i>Chemical Communications</i> , 2005 , 2128-30	5.8	24
22	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	1.9	11
21	Synthesis, photophysics, and photoresponse of fullerene-based azoaromatic dyads. <i>Chemistry - A European Journal</i> , 2005 , 11, 5765-76	4.8	16
20	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	0.8	7
19	Insulin generates free radicals by an NAD(P)H, phosphatidylinositol 3Rkinase-dependent mechanism in human skin fibroblasts ex vivo. <i>Diabetes</i> , 2004 , 53, 1344-51	0.9	67
18	Spontaneous self-assembly of an unsymmetric trinuclear triangular copper(II) pyrazolate complex, [Cu ₃ (micro ³ -OH)(micro-pz) ₃ (MeCOO) ₂ (Hpz)] (Hpz = pyrazole). synthesis, experimental and theoretical characterization, reactivity, and catalytic activity. <i>Inorganic Chemistry</i> , 2004 , 43, 5865-76	5.1	109
17	A fullerene-based dyad for organic photovoltaic cells. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 79, 51-58	2.6	14
16	Time Resolved EPR of Excited Triplet C60 Aligned in Nematic Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9491-9497	3.4	4
15	A fullerene-azothiophene dyad for photovoltaics. <i>Synthetic Metals</i> , 2003 , 139, 585-588	3.6	12
14	Micellar aggregation of alkyltrimethylammonium bromide surfactants studied by electron paramagnetic resonance of an anionic nitroxide. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 4204	3.6	37
13	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	0.5	8

12	Synthesis, EPR and ENDOR of [60]fulleropyrrolidine bisadducts with nitroxide addends: magnitude and sign of the exchange interaction. <i>ChemPhysChem</i> , 2002 , 3, 527-31	3.2	18
11	Unexpected high ordering of a [60]Fullerene nitroxide in the nematic phase of 4-4'-azoxyanisole. <i>Liquid Crystals</i> , 2002 , 29, 203-208	2.3	9
10	Solar cells based on a fullerene-azothiophene dyad. <i>Chemical Communications</i> , 2002 , 2028-9	5.8	37
9	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	2.8	77
8	Chemically induced dynamic electron polarization of C60 nitroxide bisadducts and spin multiplicity of their excited states. <i>Applied Magnetic Resonance</i> , 2001 , 20, 71-83	0.8	20
7	Intermolecular electron transfer in merocyanine aggregates studied by optical and transient EPR methods. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 1736-1742	3.6	12
6	Evidence of high charge mobility in photoirradiated polythiophene fullerene composites. <i>Journal of Materials Chemistry</i> , 2001 , 11, 981-983		30
5	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	2.5	15
4	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	0.8	21
3	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		8
2	Transient EPR emission spectra of a free radical trapped in a single crystal of chloranil. <i>Chemical Physics Letters</i> , 1993 , 210, 355-361	2.5	20
1	Time resolved EPR of triplet excitons in Phenazine-TCNQ charge transfer crystal. <i>Applied Magnetic Resonance</i> , 1992 , 3, 797-813	0.8	15