

# Francesca Cicogna

## List of Publications by Year in descending order

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49  
papers

856  
citations

471371  
17  
h-index

526166  
27  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1045  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer-Based Black Phosphorus (bP) Hybrid Materials by in Situ Radical Polymerization: An Effective Tool To Exfoliate bP and Stabilize bP Nanoflakes. <i>Chemistry of Materials</i> , 2018, 30, 2036-2048.	3.2	57
2	A Perspective on Recent Advances in Phosphorene Functionalization and Its Applications in Devices. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1476-1494.	1.0	49
3	Î±-Tocopherol-induced radical scavenging activity in carbon nanotubes for thermo-oxidation resistant ultra-high molecular weight polyethylene-based nanocomposites. <i>Carbon</i> , 2014, 74, 14-21.	5.4	48
4	Some recent advances in polyolefin functionalization. <i>Polymer International</i> , 2014, 63, 12-21.	1.6	47
5	Probing the chain segment mobility at the interface of semi-crystalline polylactide/clay nanocomposites. <i>European Polymer Journal</i> , 2016, 78, 274-289.	2.6	41
6	Thermo-oxidative stabilization of poly(lactic acid) with antioxidant intercalated layered double hydroxides. <i>Polymer Degradation and Stability</i> , 2016, 133, 92-100.	2.7	39
7	Multi-functional hindered amine light stabilizers-functionalized carbon nanotubes for advanced ultra-high molecular weight Polyethylene-based nanocomposites. <i>Composites Part B: Engineering</i> , 2015, 82, 196-204.	5.9	37
8	Grafting of functional nitroxyl free radicals to polyolefins as a tool to postreactor modification of polyethylene-based materials with control of macromolecular architecture. <i>Journal of Polymer Science Part A</i> , 2011, 49, 781-795.	2.5	35
9	Optimization of organo-layered double hydroxide dispersion in LDPE-based nanocomposites. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2285-2294.	1.6	28
10	Synthesis of Heteroleptic Anthryl-Substituted Î²-Ketoenolates of Rhodium(III) and Iridium(III):Â Photophysical, Electrochemical, and EPR Study of the Fluorophore-Metal Interaction. <i>Inorganic Chemistry</i> , 2002, 41, 3396-3409.	1.9	27
11	Fluorescent polyolefins by free radical post-reactor modification with functional nitroxides. <i>Reactive and Functional Polymers</i> , 2012, 72, 695-702.	2.0	26
12	Post-polymerization modification by nitroxide radical coupling. <i>Polymer International</i> , 2019, 68, 27-63.	1.6	26
13	Hybrid nanocomposites of 2D black phosphorus nanosheets encapsulated in PMMA polymer material: new platforms for advanced device fabrication. <i>Nanotechnology</i> , 2018, 29, 295601.	1.3	24
14	Poly(lactic acid) plasticized with low-molecular-weight polyesters: structural, thermal and biodegradability features. <i>Polymer International</i> , 2017, 66, 761-769.	1.6	23
15	Novel polystyrene-based nanocomposites by phosphorene dispersion. <i>RSC Advances</i> , 2016, 6, 53777-53783.	1.7	22
16	Functionalization of aliphatic polyesters by nitroxide radical coupling. <i>Polymer Chemistry</i> , 2014, 5, 5656.	1.9	20
17	The shining brightness of daylight fluorescent pigments: Raman and SERS study of a modern class of painting materials. <i>Microchemical Journal</i> , 2020, 152, 104292.	2.3	19
18	Electronic Communication in Homobimetallic Anthracene-Bridged Î²-5-Cyclopentadienyl Derivatives of Rhodium(I):Â Generation and Characterization of the Average-Valence Species [L2Rh{C5H4CH2(9,10-anthrylene)CH2C5H4}RhL2]+. <i>Organometallics</i> , 2001, 20, 3478-3490.	1.1	17

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19	Towards a better control of the radical functionalization of poly(lactic acid). <i>Polymer International</i> , 2015, 64, 631-640.	1.6	17
20	An insight into the interaction between functionalized thermoplastic elastomer and layered double hydroxides through rheological investigations. <i>Composites Part B: Engineering</i> , 2018, 139, 47-54.	5.9	17
21	Antibacterial LDPE-based nanocomposites with salicylic and rosmarinic acid-modified layered double hydroxides. <i>Applied Clay Science</i> , 2021, 214, 106276.	2.6	17
22	Synthesis of 9-anthrylmethyl-functionalised cyclopentadienyl derivatives of rhodium(I) and iridium(I) and study of their luminescence properties. <i>Journal of Organometallic Chemistry</i> , 2000, 593-594, 251-266.	0.8	16
23	MMT and LDH organo-modification with surfactants tailored for PLA nanocomposites. <i>EXPRESS Polymer Letters</i> , 2017, 11, 163-175.	1.1	16
24	Effects of organo-LDH dispersion on thermal stability, crystallinity and mechanical features of PLA. <i>Polymer</i> , 2020, 208, 122952.	1.8	15
25	Chemical and Electrochemical Redox Behavior of 9-Anthrylmethyl-Functionalized $\eta^5$ -Cyclopentadienyl Derivatives of Rhodium(I) and Iridium(I): Generation and EPR Characterization of the Corresponding Cation Radicals. <i>Organometallics</i> , 2002, 21, 5583-5593.	1.1	14
26	Grafting of polymer chains on the surface of carbon nanotubes via nitroxide radical coupling reaction. <i>Polymer International</i> , 2016, 65, 48-56.	1.6	13
27	Grafting of Hindered Phenol Groups onto Ethylene/ $\alpha$ -Olefin Copolymer by Nitroxide Radical Coupling. <i>Polymers</i> , 2017, 9, 670.	2.0	13
28	Fluorescent LDPE and PLA nanocomposites containing fluorescein-modified layered double hydroxides and their ON/OFF responsive behavior towards humidity. <i>European Polymer Journal</i> , 2018, 99, 189-201.	2.6	13
29	9-Anthroylacetone and its photodimer. <i>Tetrahedron</i> , 2004, 60, 11959-11968.	1.0	11
30	Azo-aromatic functionalized polyethylene by nitroxide radical coupling (NRC) reaction: Preparation and photo-physical properties. <i>Polymer</i> , 2016, 82, 366-377.	1.8	11
31	Agri-Food Extracts Effectiveness in Improving Antibacterial and Antiviral Properties of Face Masks: A Proof-of-Concept Study. <i>ChemistrySelect</i> , 2021, 6, 2288-2297.	0.7	10
32	Rosmarinic Acid and Ulvan from Terrestrial and Marine Sources in Anti-Microbial Bionanosystems and Biomaterials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9249.	1.3	10
33	Diastereoselectivity in the synthesis of bicyclic titanacyclopentenes from chiral 6-hepten-1-yne. <i>Tetrahedron Letters</i> , 2000, 41, 7773-7777.	0.7	9
34	Homobimetallic anthracene-bridged $\eta^5$ -cyclopentadienyl derivatives of rhodium(I) and iridium(I): large molecules or supramolecular species?. <i>Inorganica Chimica Acta</i> , 2004, 357, 2915-2932.	1.2	9
35	Electronic properties of new homobimetallic anthracene-bridged $\eta^5$ -cyclopentadienyl derivatives of iridium(I) and of the corresponding cation radicals $[L_2Ir\{C_5H_4CH_2(9,10\text{-anthrylene})CH_2C_5H_4\}IrL_2]^+$ . <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2987-3002.	0.8	7
36	Theoretical study of the conformational and optical properties of a fluorescent dye. A step toward modeling sensors grafted on polymer structures. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21471.	1.3	7

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37	Effects of post-reactor functionalization on the phase behaviour of an ethylene-1-octene copolymer studied using solid-state high resolution <sup>13</sup> C NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15584.	1.3	7
38	Polymer surface modification by photografting of functional nitroxides. <i>European Polymer Journal</i> , 2017, 87, 24-38.	2.6	7
39	Progress in Understanding of the Interactions between Functionalized Polyolefins and Organolayered Double Hydroxides. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 122-133.	0.9	6
40	Structural, thermal and photo-physical data of azo-aromatic TEMPO derivatives before and after their grafting to polyolefins. <i>Data in Brief</i> , 2016, 6, 562-570.	0.5	6
41	Immobilization of natural anti-oxidants on carbon nanotubes and aging behavior of ultra-high molecular weight polyethylene-based nanocomposites. , 2014, , .		4
42	Dispersion of Few-Layer Black Phosphorus in Binary Polymer Blend and Block Copolymer Matrices. <i>Nanomaterials</i> , 2021, 11, 1996.	1.9	4
43	Incorporation of 2D black phosphorus (2D-bP) in P3HT/PMMA mixtures for novel materials with tuned spectroscopic, morphological and electric features. <i>FlatChem</i> , 2021, 30, 100314.	2.8	4
44	Macromolecular Dyes by Chromophore-Initiated Ring Opening Polymerization of L-Lactide. <i>Polymers</i> , 2020, 12, 1979.	2.0	3
45	Interaction of Azole Compounds with DOPC and DOPC/Ergosterol Bilayers by Spin Probe EPR Spectroscopy: Implications for Antifungal Activity. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11978-11987.	1.2	2
46	Coagent mediated functionalization of LDPE/iPP mixtures for compatibilization of WEEE-recovered polyvinylchloride. <i>Polymer International</i> , 2016, 65, 621-630.	1.6	2
47	Synthesis of 2-picoyl functionalized $\eta^5$ -cyclopentadienyl derivatives of rhodium(I) and iridium(I) and preliminary study of their reaction with ruthenium(II) for assembling hetero-bimetallic complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1425-1434.	0.8	1
48	A [4+4] intramolecular photocyclomer of 9-anthroic anhydride: 5,6,11,12-tetrahydro-5,12;6,11-di-o-benzenodibenzo[a,e]cyclooctene-5,6-dicarboxylic anhydride. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, o359-o361.	0.4	0
49	Walking on the Sea Traces: Developing a platform to bring Ocean Literacy and Citizen Science at Home. <i>Mediterranean Marine Science</i> , 2022, 23, 389-404.	0.6	0