

# Ugo Caruso

## List of Publications by Year in descending order

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87  
papers

1,576  
citations

201674

27  
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395702

33  
g-index

88  
all docs

88  
docs citations

88  
times ranked

999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal containing liquid-crystal polymers. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1987, 8, 345-351.	1.1	58
2	Synthesis, Structure, and Second-Order Nonlinear Optical Properties of Copper(II) and Palladium(II) Acentric Complexes with N-Salicylidene-N-aryloylhydrazine Tridentate Ligands. <i>Inorganic Chemistry</i> , 2002, 41, 6597-6603.	4.0	52
3	Thermotropic Mesomorphism in Some Cu(II) and Pd(II) Metallorganic Complexes. <i>Liquid Crystals</i> , 1988, 3, 1515-1523.	2.2	50
4	A real-time tripodal colorimetric/fluorescence sensor for multiple target metal ions. <i>Dyes and Pigments</i> , 2018, 155, 249-257.	3.7	40
5	Synthesis and Antimicrobial Studies of New Antibacterial Azo-Compounds Active against <i>Staphylococcus aureus</i> and <i>Listeria monocytogenes</i> . <i>Molecules</i> , 2017, 22, 1372.	3.8	37
6	AIE/ACQ Effects in Two DR/NIR Emitters: A Structural and DFT Comparative Analysis. <i>Molecules</i> , 2018, 23, 1947.	3.8	37
7	Nematic and smectic mesophases in a new series of Cu(II) organometallic complexes. <i>Liquid Crystals</i> , 1990, 7, 421-430.	2.2	34
8	Mono-, Di-, and Polymeric Pyridino-ylhydrazone Zn <sup>II</sup> Complexes: Structure and Photoluminescent Properties. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 818-825.	2.0	34
9	Fluorescence pH-dependent sensing of Zn(II) by a tripodal ligand. A comparative X-ray and DFT study. <i>Journal of Luminescence</i> , 2019, 212, 200-206.	3.1	34
10	Liquid-crystalline behavior of polymeric organometallic complexes of copper(II). <i>Macromolecules</i> , 1991, 24, 2606-2609.	4.8	33
11	Photophysical Properties of Luminescent Zinc(II)-Pyridinyloxadiazole Complexes and their Glassy Self-Assembly Networks. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2709-2716.	2.0	33
12	Mesomorphism in Segmented-Chain Polymers Containing Flexible Substituents in the Rigid Moiety. <i>Macromolecules</i> , 1995, 28, 6089-6094.	4.8	32
13	Synthesis and preliminary characterization of a new fully aromatic mesogenic polyester containing a 2-phenylbenzoxazole group. <i>Macromolecules</i> , 1992, 25, 2290-2293.	4.8	31
14	Two aminobenzothiazole derivatives for Pd(II) and Zn(II) coordination. <i>Inorganic Chemistry Communication</i> , 2011, 14, 46-48.	3.9	31
15	Fluorescent metallopolymer with Zn(II) in a Schiff base/phenoxide coordination environment. <i>Inorganic Chemistry Communication</i> , 2013, 29, 138-140.	3.9	31
16	Series of O-, N-, O-tridentate Ligands Zinc(II) Complexes with High Solid State Photoluminescence Quantum Yield. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2695-2703.	2.0	31
17	High Solid State Photoluminescence Quantum Yields and Effective Color Tuning in Polyvinylpyridine Based Zinc(II) Metallopolymer. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1516-1522.	2.2	31
18	Grafting Poly(4-vinylpyridine) with a Second-Order Nonlinear Optically Active Nickel(II) Chromophore. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2747-2753.	2.0	30

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19	Synthesis, structure and reactivity of amino-benzodifurane derivatives. <i>Comptes Rendus Chimie</i> , 2009, 12, 622-634.	0.5	30
20	Facile synthesis of new Pd(II) and Cu(II) based metallomesogens from ligands containing thiophene rings. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1135-1138.	3.9	30
21	Color Tuning and Noteworthy Photoluminescence Quantum Yields in Crystalline Mono- and Dinuclear Zn <sup>II</sup> Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5916-5924.	2.0	30
22	Synthesis, spectroscopic properties and DFT calculations of a novel multipolar azo dye and its zinc(II) complex. <i>Inorganic Chemistry Communication</i> , 2017, 84, 103-108.	3.9	30
23	Highly efficient dicyano-phenylenevinylene fluorophore as polymer dopant or zinc-driven self-assembling building block. <i>Inorganic Chemistry Communication</i> , 2019, 104, 145-149.	3.9	30
24	Nematic and smectic mesophases in a new series of Cu(II) metallorganic complexes. II. <i>Liquid Crystals</i> , 1990, 7, 431-438.	2.2	29
25	New side-chain polyurethanes with highly conjugated push-pull chromophores for second order NLO applications. <i>Optical Materials</i> , 2005, 27, 1800-1810.	3.6	29
26	Second order nonlinear optical networks with excellent poling stability from a new trifunctional thiophene based chromophore. <i>Organic Electronics</i> , 2009, 10, 53-60.	2.6	29
27	From cadmium(II)-aroylhydrazone complexes to metallopolymers with enhanced photoluminescence. A structural and DFT study. <i>Inorganica Chimica Acta</i> , 2017, 458, 129-137.	2.4	29
28	Solid-State Highly Efficient DR Mono and Poly-dicyano-phenylenevinylene Fluorophores. <i>Molecules</i> , 2018, 23, 1505.	3.8	28
29	New NLO active cyclopalladated chromophores in main-chain polymers. <i>Inorganica Chimica Acta</i> , 2004, 357, 548-556.	2.4	26
30	Two tridentate pyridinyl-hydrazone zinc(II) complexes as fluorophores for blue emitting layers. <i>Journal of Molecular Structure</i> , 2019, 1197, 672-680.	3.6	26
31	An Amphiphilic Pyridinoyl-hydrazone Probe for Colorimetric and Fluorescence pH Sensing. <i>Molecules</i> , 2019, 24, 3833.	3.8	26
32	The Effect of Bulky Substituents on Two $\pi$ -Conjugated Mesogenic Fluorophores. Their Organic Polymers and Zinc-Bridged Luminescent Networks. <i>Polymers</i> , 2019, 11, 1379.	4.5	26
33	A symmetrical azo-based fluorophore and the derived salen multipurpose framework for emissive layers. <i>Inorganic Chemistry Communication</i> , 2019, 104, 186-189.	3.9	26
34	Large Second-Order NLO Activity in Poly(4-vinylpyridine) Grafted with PdII and CuII Chromophoric Complexes with Tridentate Bent Ligands Containing Heterocycles. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1846-1853.	2.0	25
35	New polyurethanes and polyesters for second-order nonlinear optical applications. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3013-3022.	2.3	23
36	Poly(4-vinylpyridine) as the host ligand of metal-containing chromophores for second-order nonlinear optical active materials. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2987-2993.	2.3	22

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37	NLO Behavior of Polymers Containing Y-shaped Chromophores. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1900-1907.	2.2	21
38	A Novel DR/NIR T-Shaped AIEgen: Synthesis and X-Ray Crystal Structure Study. <i>Crystals</i> , 2020, 10, 269.	2.2	20
39	Second Order Optical Nonlinearities of Copper(II) and Palladium(II) Complexes with N-Salicylidene-N <sup>2</sup> -aroylhydrazine Tridentate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2467-2476.	2.0	19
40	Synthesis of Polymers Containing Second Order NLO-Active Thiophene and Thiazole Based Chromophores. <i>Macromolecular Symposia</i> , 2006, 234, 87-93.	0.7	19
41	The liquid-crystalline properties of bis[ <i>N</i> -[4-[4-(alkoxy)benzoyloxy]2-hydroxyphenyl]methylene]alkanamino complexes of Cu(II), Pd(II) and Ni(II). A general view. <i>Liquid Crystals</i> , 1991, 10, 85-93.	2.2	18
42	Cholesteric liquid crystal polymers containing coordinated copper(II) in the main chain. <i>Polymer</i> , 2000, 41, 6423-6430.	3.8	18
43	A Highly Efficient White Luminescent Zinc (II) Based Metallopolymer by RGB Approach. <i>Polymers</i> , 2019, 11, 1712.	4.5	17
44	Networks from Liquid Crystalline Segmented Chain Polymers. <i>Macromolecules</i> , 1994, 27, 3513-3519.	4.8	16
45	Phase behavior of a network polymer based on a segmented-chain polymeric mesogen. <i>Macromolecules</i> , 1993, 26, 221-225.	4.8	15
46	Segmented liquid crystalline polyesters with allyl group as lateral substituent. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 2371-2378.	2.1	15
47	Optical second order nonlinearities in new chromophores obtained by selective mono-reduction of dinitro precursors. <i>Optical Materials</i> , 2004, 27, 91-97.	3.6	15
48	Colorimetric recognition of multiple first-row transition metals: A single water-soluble chemosensor in acidic and basic conditions. <i>Dyes and Pigments</i> , 2021, 184, 108832.	3.7	15
49	A new donor-acceptor crosslinkable I-shape chromophore for NLO applications. <i>Journal of Molecular Structure</i> , 2019, 1189, 21-27.	3.6	13
50	Spectroscopic Behaviour of Two Novel Azobenzene Fluorescent Dyes and Their Polymeric Blends. <i>Molecules</i> , 2020, 25, 1368.	3.8	13
51	Evaluating In Silico the Potential Health and Environmental Benefits of Houseplant Volatile Organic Compounds for an Emerging "Indoor Forest Bathing" Approach. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 273.	2.6	13
52	Liquid Crystal Polymers Containing Ni(II), Pd(II), or VO(II) in the Main Chain. <i>Macromolecules</i> , 1998, 31, 1439-1445.	4.8	11
53	NLO active Pd(II)-based organometallic side-chain polymers with C,N or N,O-chelating chromophoric ligands. <i>Polymer</i> , 2003, 44, 7635-7643.	3.8	11
54	Data on a real-time tripodal colorimetric/fluorescence sensor for multiple target metal ions. <i>Data in Brief</i> , 2018, 19, 2119-2125.	1.0	11

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55	A Highly Water-Soluble Fluorescent and Colorimetric pH Probe. <i>Crystals</i> , 2020, 10, 83.	2.2	11
56	Thermotropic and lyotropic mesomorphism in a polymeric network with low cross-link density. <i>Macromolecules</i> , 1992, 25, 129-132.	4.8	10
57	Side chain organometallic polymers containing cyclopalladated potentially second order nonlinear optical active fragments as pendants. <i>Polymer</i> , 2001, 42, 3973-3980.	3.8	10
58	Rigid-chain metallomesogenic polymers containing vanadyl or copper(II) ions coordinated in the main chain. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2342-2349.	2.3	9
59	Study of the Interaction of a Novel Semi-Synthetic Peptide with Model Lipid Membranes. <i>Membranes</i> , 2020, 10, 294.	3.0	9
60	Stimuli-Responsive Zinc (II) Coordination Polymers: A Novel Platform for Supramolecular Chromic Smart Tools. <i>Polymers</i> , 2021, 13, 3712.	4.5	9
61	Multi-oriented and fibrous liquid crystalline networks based on linear mesogenic polymers. <i>Polymer</i> , 1999, 40, 6753-6760.	3.8	8
62	Solid-state fluorescence of two zinc coordination polymers from bulky dicyano-phenylenevinylene and bis-azobenzene cores. <i>Inorganic Chemistry Communication</i> , 2019, 110, 107602.	3.9	7
63	(4-Vinylpyridine-Styrene) Copolymer as Host Polymer for Chromophoric Complexes with Potential Second Order Nonlinear Optical Properties. <i>Macromolecular Symposia</i> , 2001, 169, 313-322.	0.7	6
64	A Novel L-Shaped Fluorescent Probe for AIE Sensing of Zinc (II) Ion by a DR/NIR Response. <i>Molecules</i> , 2021, 26, 7347.	3.8	6
65	Synthesis and characterisation of main-chain oligomeric cyclopalladated azobenzene complexes. <i>Inorganica Chimica Acta</i> , 1999, 292, 163-171.	2.4	5
66	Rigid chain ribbon-like metallopolymer. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2412-2421.	2.3	5
67	Assessment of Copper and Heavy Metals in Family-Run Vineyard Soils and Wines of Campania Region, South Italy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8465.	2.6	5
68	A Water Soluble 2-Phenyl-5-(pyridin-3-yl)-1,3,4-oxadiazole Based Probe: Antimicrobial Activity and Colorimetric/Fluorescence pH Response. <i>Molecules</i> , 2022, 27, 1824.	3.8	5
69	Structural feature of thermo-induced fluorochromism in a 1D zinc coordination polymer. A cross-analysis by PL and FTIR spectroscopy, and DFT formalism. <i>Dyes and Pigments</i> , 2022, 202, 110247.	3.7	5
70	<sup>13</sup> C NMR study of the isotropic and anisotropic states of a swollen network based on a segmented-chain polymeric mesogen. <i>Macromolecular Rapid Communications</i> , 1994, 15, 357-363.	3.9	4
71	Main chain liquid crystalline polymers with laterally linked organometallic mesogens. <i>Liquid Crystals</i> , 2001, 28, 721-727.	2.2	4
72	Novel Dicyano-Phenylenevinylene Fluorophores for Low-Doped Layers: A Highly Emissive Material for Red OLEDs. <i>Polymers</i> , 2019, 11, 1751.	4.5	4

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73	Novel rigid rod polymers from a thermal cyclization reaction. <i>European Polymer Journal</i> , 2015, 63, 80-89.	5.4	3
74	RGB emission of three charged O,N,O-chelate zinc (II) complexes in pyridine solution. <i>Inorganic Chemistry Communication</i> , 2020, 113, 107763.	3.9	3
75	Novel Solid-State Emissive Polymers and Polymeric Blends from a T-Shaped Benzodifuran Scaffold: A Comparative Study. <i>Polymers</i> , 2020, 12, 718.	4.5	3
76	Benzodifuran-based fluorescent brighteners: A novel platform for plant cell wall imaging. <i>Dyes and Pigments</i> , 2022, 199, 110071.	3.7	3
77	Thermo-Induced Fluorochromism in Two AIE Zinc Complexes: A Deep Insight into the Structure-Property Relationship. <i>Molecules</i> , 2022, 27, 2551.	3.8	3
78	Non-rigid liquid crystalline networks based on linear, segmented chain mesogenic polymers. <i>Macromolecular Symposia</i> , 1997, 117, 43-51.	0.7	2
79	Vibrational Analysis of Paraelectric-Ferroelectric Transition of LiNbO <sub>3</sub> : An Ab-Initio Quantum Mechanical Treatment. <i>Symmetry</i> , 2021, 13, 1650.	2.2	2
80	Liquid Crystalline Behaviour of Polymer Networks Based on Segmented Chain Mesogenic Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 266, 99-109.	0.3	1
81	Crystal structures of butyl 2-amino-5-hydroxy-4-(4-nitrophenyl)benzofuran-3-carboxylate and 2-methoxyethyl 2-amino-5-hydroxy-4-(4-nitrophenyl)benzofuran-3-carboxylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 880-887.	0.5	1
82	Liquid Crystalline Behavior of Two-component Molecular Adducts from Bifunctional Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 325, 145-156.	0.3	0
83	Liquid Crystalline Properties of Linear and Network Polymers Containing Allyl Groups as Lateral Substituents. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 336, 1-15.	0.3	0
84	Color Tuning in the Luminescence of Two Oligomers Derived from N,N'--(Naphthalenediyl)bis-phenylimine Containing Oligomers. <i>International Journal of Optics</i> , 2020, 2020, 1-9.	1.4	0
85	Fluorescence pH-dependent sensing of zinc (II) and chromium (III) cations by a tripodal ligand and exploration of emission response in solution and in the solid state. <i>Dyes and Pigments</i> , 2021, 193, 109567.	3.7	0
86	Two Novel $\pi$ -Conjugated Fluorophores for Dye-Doped LC On-Off Photoluminescence Switching. <i>Letters in Organic Chemistry</i> , 2020, 17, 340-344.	0.5	0
87	Hybrid Grapes for a Sustainable Viticulture in South Italy: Parentage Diagram Analysis and Metal Assessment in a Homemade Wine of Chambourcin Cultivar. <i>Sustainability</i> , 2021, 13, 12472.	3.2	0