Ugo Caruso

List of Publications by Year
in descending order

87 papers	1,576 citations	201674 27 h-index	395702 33 g-index
88 all docs	88 docs citations	88 times ranked	999 citing authors

#	Article	IF	Citations
1	Benzodifuran-based fluorescent brighteners: A novel platform for plant cell wall imaging. Dyes and Pigments, 2022, 199, 110071.	3.7	3
2	Evaluating In Silico the Potential Health and Environmental Benefits of Houseplant Volatile Organic Compounds for an Emerging â€˜Indoor Forest Bathingâ€™ Approach. International Journal of Environmental Research and Public Health, 2022, 19, 273.	2.6	13
3	A Water Soluble 2-Phenyl-5-(pyridin-3-yl)-1,3,4-oxadiazole Based Probe: Antimicrobial Activity and Colorimetric/Fluorescence pH Response. Molecules, 2022, 27, 1824.	3.8	5
4	Structural feature of thermo-induced fluorochromism in a 1D zinc coordination polymer. A cross-analysis by PL and FTIR spectroscopy, and DFT formalism. Dyes and Pigments, 2022, 202, 110247.	3.7	5
5	Thermo-Induced Fluorochromism in Two AIE Zinc Complexes: A Deep Insight into the Structure-Property Relationship. Molecules, 2022, 27, 2551.	3.8	3
6	Colorimetric recognition of multiple first-row transition metals: A single water-soluble chemosensor in acidic and basic conditions. Dyes and Pigments, 2021, 184, 108832.	3.7	15
7	Assessment of Copper and Heavy Metals in Family-Run Vineyard Soils and Wines of Campania Region, South Italy. International Journal of Environmental Research and Public Health, 2021, 18, 8465.	2.6	5
8	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. Dyes and Pigments, 2021, 193, 109567.	3.7	0
9	Vibrational Analysis of Paraelectricâ€“Ferroelectric Transition of LiNbO3: An Ab-Initio Quantum Mechanical Treatment. Symmetry, 2021, 13, 1650.	2.2	2
10	Stimuli-Responsive Zinc (II) Coordination Polymers: A Novel Platform for Supramolecular Chromic Smart Tools. Polymers, 2021, 13, 3712.	4.5	9
11	Hybrid Grapes for a Sustainable Viticulture in South Italy: Parentage Diagram Analysis and Metal Assessment in a Homemade Wine of Chambourcin Cultivar. Sustainability, 2021, 13, 12472.	3.2	0
12	A Novel L-Shaped Fluorescent Probe for AIE Sensing of Zinc (II) Ion by a DR/NIR Response. Molecules, 2021, 26, 7347.	3.8	6
13	RGB emission of three charged O,N,O-chelate zinc (II) complexes in pyridine solution. Inorganic Chemistry Communication, 2020, 113, 107763.	3.9	3
14	Study of the Interaction of a Novel Semi-Synthetic Peptide with Model Lipid Membranes. Membranes, 2020, 10, 294.	3.0	9
15	A Highly Water-Soluble Fluorescent and Colorimetric pH Probe. Crystals, 2020, 10, 83.	2.2	11
16	Spectroscopic Behaviour of Two Novel Azobenzene Fluorescent Dyes and Their Polymeric Blends. Molecules, 2020, 25, 1368.	3.8	13
17	A Novel DR/NIR T-Shaped AIEgen: Synthesis and X-Ray Crystal Structure Study. Crystals, 2020, 10, 269.	2.2	20
18	Color Tuning in the Luminescence of Two Oligomers Derived from N,Nâ€²-(Naphthalenediyl)bis-phenylimine Containing Oligomers. International Journal of Optics, 2020, 2020, 1-9.	1.4	0

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19	Novel Solid-State Emissive Polymers and Polymeric Blends from a T-Shaped Benzodifuran Scaffold: A Comparative Study. Polymers, 2020, 12, 718.	4.5	3
20	Two Novel Ï€ -Conjugated Fluorophores for Dye-Doped LC On-Off Photoluminescence Switching. Letters in Organic Chemistry, 2020, 17, 340-344.	0.5	0
21	Two tridentate pyridinyl-hydrazone zinc(II) complexes as fluorophores for blue emitting layers. Journal of Molecular Structure, 2019, 1197, 672-680.	3.6	26
22	Solid-state fluorescence of two zinc coordination polymers from bulky dicyano-phenylenevinylene and bis-azobenzene cores. Inorganic Chemistry Communication, 2019, 110, 107602.	3.9	7
23	An Amphiphilic Pyridinoyl-hydrazone Probe for Colorimetric and Fluorescence pH Sensing. Molecules, 2019, 24, 3833.	3.8	26
24	The Effect of Bulky Substituents on Two Ï€-Conjugated Mesogenic Fluorophores. Their Organic Polymers and Zinc-Bridged Luminescent Networks. Polymers, 2019, 11, 1379.	4.5	26
25	Highly efficient dicyano-phenylenevinylene fluorophore as polymer dopant or zinc-driven self-assembling building block. Inorganic Chemistry Communication, 2019, 104, 145-149.	3.9	30
26	Fluorescence pH-dependent sensing of Zn(II) by a tripodal ligand. A comparative X-ray and DFT study. Journal of Luminescence, 2019, 212, 200-206.	3.1	34
27	A symmetrical azo-based fluorophore and the derived salen multipurpose framework for emissive layers. Inorganic Chemistry Communication, 2019, 104, 186-189.	3.9	26
28	A new donor-acceptor crosslinkable l-shape chromophore for NLO applications. Journal of Molecular Structure, 2019, 1189, 21-27.	3.6	13
29	Novel Dicyano-Phenylenevinylene Fluorophores for Low-Doped Layers: A Highly Emissive Material for Red OLEDs. Polymers, 2019, 11, 1751.	4.5	4
30	A Highly Efficient White Luminescent Zinc (II) Based Metallopolymer by RGB Approach. Polymers, 2019, 11, 1712.	4.5	17
31	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. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 880-887.	0.5	1
32	A real-time tripodal colorimetric/fluorescence sensor for multiple target metal ions. Dyes and Pigments, 2018, 155, 249-257.	3.7	40
33	Data on a real-time tripodal colorimetric/fluorescence sensor for multiple target metal ions. Data in Brief, 2018, 19, 2119-2125.	1.0	11
34	Solid-State Highly Efficient DR Mono and Poly-dicyano-phenylenevinylene Fluorophores. Molecules, 2018, 23, 1505.	3.8	28
35	AIE/ACQ Effects in Two DR/NIR Emitters: A Structural and DFT Comparative Analysis. Molecules, 2018, 23, 1947.	3.8	37
36	Photophysical Properties of Luminescent Zinc(II)â€'Pyridinyloxadiazole Complexes and their Glassy Selfâ€Assembly Networks. European Journal of Inorganic Chemistry, 2018, 2018, 2709-2716.	2.0	33

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37	From cadmium(II)-aroylhydrazone complexes to metallopolymers with enhanced photoluminescence. A structural and DFT study. Inorganica Chimica Acta, 2017, 458, 129-137.	2.4	29
38	Synthesis, spectroscopic properties and DFT calculations of a novel multipolar azo dye and its zinc(II) complex. Inorganic Chemistry Communication, 2017, 84, 103-108.	3.9	30
39	Synthesis and Antimicrobial Studies of New Antibacterial Azo-Compounds Active against Staphylococcus aureus and Listeria monocytogenes. Molecules, 2017, 22, 1372.	3.8	37
40	Monoâ€; Diâ€; and Polymeric PyridinoÂylhydrazone Zn^{II} Complexes: Structure and Photoluminescent Properties. European Journal of Inorganic Chemistry, 2016, 2016, 818-825.	2.0	34
41	High Solid State Photoluminescence Quantum Yields and Effective Color Tuning in Polyvinylpyridine Based Zinc(II) Metallopolymers. Macromolecular Chemistry and Physics, 2015, 216, 1516-1522.	2.2	31
42	Novel rigid rod polymers from a thermal cyclization reaction. European Polymer Journal, 2015, 63, 80-89.	5.4	3
43	Color Tuning and Noteworthy Photoluminescence Quantum Yields in Crystalline Monoâ€/Dinuclear Zn^{II} Complexes. European Journal of Inorganic Chemistry, 2014, 2014, 5916-5924.	2.0	30
44	Series of O,N,Oâ€Tridentate Ligands Zinc(II) Complexes with High Solidâ€State Photoluminescence Quantum Yield. European Journal of Inorganic Chemistry, 2014, 2014, 2695-2703.	2.0	31
45	Rigid chain ribbonâ€like metallopolymers. Journal of Polymer Science Part A, 2014, 52, 2412-2421.	2.3	5
46	Fluorescent metallopolymers with Zn(II) in a Schiff base/phenoxide coordination environment. Inorganic Chemistry Communication, 2013, 29, 138-140.	3.9	31
47	Two aminobenzothiazole derivatives for Pd(II) and Zn(II) coordination. Inorganic Chemistry Communication, 2011, 14, 46-48.	3.9	31
48	Second order nonlinear optical networks with excellent poling stability from a new trifunctional thiophene based chromophore. Organic Electronics, 2009, 10, 53-60.	2.6	29
49	Synthesis, structure and reactivity of amino-benzodifurane derivatives. Comptes Rendus Chimie, 2009, 12, 622-634.	0.5	30
50	Facile synthesis of new Pd(II) and Cu(II) based metallomesogens from ligands containing thiophene rings. Inorganic Chemistry Communication, 2009, 12, 1135-1138.	3.9	30
51	Large Second-Order NLO Activity in Poly(4-vinylpyridine) Grafted with PdII and CuII Chromophoric Complexes with Tridentate Bent Ligands Containing Heterocycles. European Journal of Inorganic Chemistry, 2008, 2008, 1846-1853.	2.0	25
52	NLO Behavior of Polymers Containing Yâ€Shaped Chromophores. Macromolecular Chemistry and Physics, 2007, 208, 1900-1907.	2.2	21
53	Synthesis of Polymers Containing Second Order NLO-Active Thiophene and Thiazole Based Chromophores. Macromolecular Symposia, 2006, 234, 87-93.	0.7	19
54	New side-chain polyurethanes with highly conjugated pushâ€“pull chromophores for second order NLO applications. Optical Materials, 2005, 27, 1800-1810.	3.6	29

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55	Grafting Poly(4-vinylpyridine) with a Second-Order Nonlinear Optically Active Nickel(II) Chromophore. European Journal of Inorganic Chemistry, 2005, 2005, 2747-2753.	2.0	30
56	New polyurethanes and polyesters for second-order nonlinear optical applications. Journal of Polymer Science Part A, 2004, 42, 3013-3022.	2.3	23
57	Second Order Optical Nonlinearities of Copper(II) and Palladium(II) Complexes withN-Salicylidene-Nâ€²-aroylhydrazine Tridentate Ligands. European Journal of Inorganic Chemistry, 2004, 2004, 2467-2476.	2.0	19
58	Optical second order nonlinearities in new chromophores obtained by selective mono-reduction of dinitro precursors. Optical Materials, 2004, 27, 91-97.	3.6	15
59	New NLO active cyclopalladated chromophores in main-chain polymers. Inorganica Chimica Acta, 2004, 357, 548-556.	2.4	26
60	NLO active Pd(II)-based organometallic side-chain polymers with C,N or N,O-chelating chromophoric ligands. Polymer, 2003, 44, 7635-7643.	3.8	11
61	Synthesis, Structure, and Second-Order Nonlinear Optical Properties of Copper(II) and Palladium(II) Acentric Complexes withN-Salicylidene-NÂâ€˜-aroylhydrazine Tridentate Ligands. Inorganic Chemistry, 2002, 41, 6597-6603.	4.0	52
62	Poly(4-vinylpyridine) as the host ligand of metal-containing chromophores for second-order nonlinear optical active materials. Journal of Polymer Science Part A, 2002, 40, 2987-2993.	2.3	22
63	(4-Vinylpyridine-Styrene) Copolymer as Host Polymer for Chromophoric Complexes with Potential Second Order Nonlinear Optical Properties. Macromolecular Symposia, 2001, 169, 313-322.	0.7	6
64	Side chain organometallic polymers containing cyclopalladated potentially second order nonlinear optical active fragments as pendants. Polymer, 2001, 42, 3973-3980.	3.8	10
65	Rigid-chain metallomesogenic polymers containing vanadyl or copper(II) ions coordinated in the main chain. Journal of Polymer Science Part A, 2001, 39, 2342-2349.	2.3	9
66	Main chain liquid crystalline polymers with laterally linked organometallic mesogens. Liquid Crystals, 2001, 28, 721-727.	2.2	4
67	Cholesteric liquid crystal polymers containing coordinated copper(II) in the main chain. Polymer, 2000, 41, 6423-6430.	3.8	18
68	Multi-oriented and fibrous liquid crystalline networks based on linear mesogenic polymers. Polymer, 1999, 40, 6753-6760.	3.8	8
69	Synthesis and characterisation of main-chain oligomeric cyclopalladated azobenzene complexes. Inorganica Chimica Acta, 1999, 292, 163-171.	2.4	5
70	Liquid Crystalline Properties of Linear and Network Polymers Containing Allyl Groups as Lateral Substituents. Molecular Crystals and Liquid Crystals, 1999, 336, 1-15.	0.3	0
71	Segmented liquid crystalline polyesters with allyl group as lateral substituent. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 2371-2378.	2.1	15
72	Liquid Crystalline Behavior of Two-component Molecular Adducts from Bifunctional Molecules. Molecular Crystals and Liquid Crystals, 1998, 325, 145-156.	0.3	0

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73	Liquid Crystal Polymers Containing Ni(II), Pd(II), or VO(II) in the Main Chain. Macromolecules, 1998, 31, 1439-1445.	4.8	11
74	Nonâ€rigid liquid crystalline networks based on linear, segmentedâ€chain mesogenic polymers. Macromolecular Symposia, 1997, 117, 43-51.	0.7	2
75	Liquid Crystalline Behaviour of Polymer Networks Based on Segmented Chain Mesogenic Polymers. Molecular Crystals and Liquid Crystals, 1995, 266, 99-109.	0.3	1
76	Mesomorphism in Segmented-Chain Polymers Containing Flexible Substituents in the Rigid Moiety. Macromolecules, 1995, 28, 6089-6094.	4.8	32
77	13C NMR study of the isotropic and anisotropic states of a swollen network based on a segmented-chain polymeric mesogen. Macromolecular Rapid Communications, 1994, 15, 357-363.	3.9	4
78	Networks from Liquid Crystalline Segmented Chain Polymers. Macromolecules, 1994, 27, 3513-3519.	4.8	16
79	Phase behavior of a network polymer based on a segmented-chain polymeric mesogen. Macromolecules, 1993, 26, 221-225.	4.8	15
80	Thermotropic and lyotropic mesomorphism in a polymeric network with low cross-link density. Macromolecules, 1992, 25, 129-132.	4.8	10
81	Synthesis and preliminary characterization of a new fully aromatic mesogenic polyester containing a 2-phenylbenzoxazole group. Macromolecules, 1992, 25, 2290-2293.	4.8	31
82	Liquid-crystalline behavior of polymeric organometallic complexes of copper(II). Macromolecules, 1991, 24, 2606-2609.	4.8	33
83	The liquid-crystalline properties of bis[N-[[4-[4-(alkoxy)benzoyloxy]2-hydroxyphenyl]methylene]alkanamino] complexes of Cu(II), Pd(II) and Ni(II). A general view. Liquid Crystals, 1991, 10, 85-93.	2.2	18
84	Nematic and smectic mesophases in a new series of Cu(II) organometallic complexes. Liquid Crystals, 1990, 7, 421-430.	2.2	34
85	Nematic and smectic mesophases in a new series of Cu(II) metallorganic complexes. II. Liquid Crystals, 1990, 7, 431-438.	2.2	29
86	Thermotropic Mesomorphism in Some Cu(II) and Pd(II) Metallorganic Complexes. Liquid Crystals, 1988, 3, 1515-1523.	2.2	50
87	Metal containing liquid-crystal polymers. Die Makromolekulare Chemie Rapid Communications, 1987, 8, 345-351.	1.1	58