

# Paola Cardiano

## List of Publications by Year in descending order

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72  
papers

1,290  
citations

304743

22  
h-index

434195

31  
g-index

74  
all docs

74  
docs citations

74  
times ranked

1229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Epoxy-silica polymers as restoration materials. <i>Polymer</i> , 2002, 43, 6635-6640.	3.8	82
2	Epoxy-silica polymers as stone conservation materials. <i>Polymer</i> , 2005, 46, 1857-1864.	3.8	62
3	Study and characterization of the ancient bricks of monastery of "San Filippo di Fragalà" in Frazzanò (Sicily). <i>Analytica Chimica Acta</i> , 2004, 519, 103-111.	5.4	52
4	A new application of ionic liquids: hydrophobic properties of tetraalkylammonium-based poly(ionic liquid)s. <i>Journal of Materials Chemistry</i> , 2009, 19, 8861.	6.7	48
5	Sequestration of Hg <sup>2+</sup> by Some Biologically Important Thiols. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4741-4750.	1.9	47
6	Self-Assembly of Square Molecular Boxes Containing Dirhodium(II,II) Units. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1371-1375.	2.0	35
7	Epoxy-silica polymers as restoration materials. Part II. <i>Polymer</i> , 2003, 44, 4435-4441.	3.8	34
8	Potentiometric, <sup>1</sup> H NMR and ESI-MS investigation on dimethyltin(IV) cation-mercaptocarboxylate interaction in aqueous solution. <i>New Journal of Chemistry</i> , 2009, 33, 2286.	2.8	34
9	Binding ability of glutathione towards alkyltin(IV) compounds in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2013, 129, 84-93.	3.5	33
10	Sequestering Ability of Oligophosphate Ligands toward Al <sup>3+</sup> in Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3981-3990.	1.9	32
11	A new supramolecular polyhedral oligomeric silsesquioxanes (POSS)-porphyrin nanohybrid: synthesis and spectroscopic characterization. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4746.	5.5	31
12	Thermodynamic and spectroscopic study for the interaction of dimethyltin(IV) with L-cysteine in aqueous solution. <i>Biophysical Chemistry</i> , 2008, 133, 19-27.	2.8	27
13	Fast and reversible CO <sub>2</sub> quartz crystal microbalance response of vinylimidazolium-based poly(ionic liquid)s. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1511-1519.	3.2	27
14	Methylmercury(II)-sulfur containing ligand interactions: a potentiometric, calorimetric and <sup>1</sup> H-NMR study in aqueous solution. <i>New Journal of Chemistry</i> , 2011, 35, 800.	2.8	26
15	POSS-Tetraalkylammonium Salts: A New Class of Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5668-5676.	2.0	26
16	Thermodynamics of Al <sup>3+</sup> -thiocarboxylate interaction in aqueous solution. <i>Journal of Molecular Liquids</i> , 2016, 222, 614-621.	4.9	26
17	Potentiometric, Calorimetric, and <sup>1</sup> H NMR Investigation on Hg <sup>2+</sup> -Mercaptocarboxylate Interaction in Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 1995-2004.	1.9	25

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19	On the interaction of N -acetylcysteine with Pb 2+ , Zn 2+ , Cd 2+ and Hg 2+. Journal of Molecular Liquids, 2016, 223, 360-367.	4.9	25
20	Study of Al 3+ interaction with AMP , ADP and ATP in aqueous solution. Biophysical Chemistry, 2018, 234, 42-50.	2.8	25
21	Thermodynamic and spectroscopic study of the binding of dimethyltin(IV) by citrate at 25 Â°C. Applied Organometallic Chemistry, 2006, 20, 425-435.	3.5	24
22	Sequestration of Aluminium(III) by different natural and synthetic organic and inorganic ligands in aqueous solution. Chemosphere, 2017, 186, 535-545.	8.2	24
23	Highly untangled multiwalled carbon nanotube@polyhedral oligomeric silsesquioxane ionic hybrids: Synthesis, characterization and nonlinear optical properties. Carbon, 2015, 86, 325-337.	10.3	23
24	A Congested Ru(dps)2 or Ru(dprs)2 Core (dps = di-2-pyridyl sulfide; dprs = di-2-pyrimidinyl sulfide) Promotes Sulfur Inversion of N,S-Chelate Thioethers Containing CH2R and 2-Pyridyl or 2-Pyrimidinyl Groups. European Journal of Inorganic Chemistry, 2002, 2002, 181-191.	2.0	22
25	Testing the antimicrobial properties of an upcoming "environmental-friendly" family of ionic liquids. Journal of Molecular Liquids, 2017, 248, 81-85.	4.9	22
26	Hydrophobic properties of new epoxy-silica hybrids. Journal of Applied Polymer Science, 2008, 108, 3380-3387.	2.6	21
27	Novel propylmethacrylate-monofunctionalized polyhedral oligomeric silsesquioxanes homopolymers prepared via radical bulk free polymerization. European Polymer Journal, 2007, 43, 4898-4904.	5.4	17
28	Thermodynamic and spectroscopic study on Al 3+ -polycarboxylate interaction in aqueous solution. Journal of Molecular Liquids, 2017, 232, 45-54.	4.9	17
29	On the complexation of metal cations with "pure" diethylenetriamine-N,N,N',N'â€²,â€²,â€²-pentakis(methylenephosphonic) acid. New Journal of Chemistry, 2018, 41, 4065-4075.		17
30	Investigations on ancient mortars from the Basilian monastery of FragalÃ. Journal of Thermal Analysis and Calorimetry, 2008, 91, 477-485.	3.6	15
31	Sequestration ability of task specific ionic liquids towards cations of environmental interest. Journal of Molecular Liquids, 2016, 223, 174-181.	4.9	15
32	Complexation of environmentally and biologically relevant metals with bifunctional 3-hydroxy-4-pyridinones. Journal of Molecular Liquids, 2020, 319, 114349.	4.9	15
33	Star-Shaped Quaternary Alkylammonium Polyhedral Oligomeric Silsesquioxane Ionic Liquids. European Journal of Inorganic Chemistry, 2014, 2014, 2704-2710.	2.0	14
34	A new bis-(3-hydroxy-4-pyridinone)-DTPA-derivative: Synthesis, complexation of di-/tri-valent metal cations and in vivo M3+ sequestering ability. Journal of Molecular Liquids, 2019, 281, 280-294.	4.9	14
35	Speciation Studies of Bifunctional 3-Hydroxy-4-Pyridinone Ligands in the Presence of Zn2+ at Different Ionic Strengths and Temperatures. Molecules, 2019, 24, 4084.	3.8	14
36	Hydrorepellent properties of organic-inorganic hybrid materials. Journal of Non-Crystalline Solids, 2010, 356, 917-926.	3.1	13

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37	Sequestration of HEDPA , NTA and phosphonic NTA derivatives towards Al 3+ in aqueous solution. Journal of Molecular Liquids, 2018, 261, 96-106.	4.9	13
38	Bifunctional 3-hydroxy-4-pyridinones as effective aluminium chelators: synthesis, solution equilibrium studies and in vivo evaluation. Journal of Inorganic Biochemistry, 2018, 186, 116-129.	3.5	13
39	Design, synthesis and characterization of hybrid coatings suitable for geopolymeric-based supports for the restoration of cultural heritage. IOP Conference Series: Materials Science and Engineering, 2020, 777, 012003.	0.6	13
40	Interaction of N-acetyl-l-cysteine with Na+, Ca2+, Mg2+ and Zn2+. Thermodynamic aspects, chemical speciation and sequestering ability in natural fluids. Journal of Molecular Liquids, 2020, 319, 114164.	4.9	13
41	Hemilabile Thioether Ligands Based on Pyrimidine and/or Pyridine Derivatives that Interconvert between N,S- and N-Coordination in Congested Ruthenium(II) Complexes. European Journal of Inorganic Chemistry, 2005, 2005, 2423-2435.	2.0	12
42	Capacitive properties of the hydrophobic [2-(methacryloyloxy)ethyl]-trimethyl ammonium nonafluoro-1-butanefluorobutanesulfonate poly(ionic liquid) thin film. Ionics, 2017, 23, 1481-1487.	2.4	12
43	Potentiometric, UV and 1 H NMR study on the interaction of penicillin derivatives with Zn(II) in aqueous solution. Biophysical Chemistry, 2017, 223, 1-10.	2.8	12
44	New bis-(3-hydroxy-4-pyridinone)-NTA-derivative: Synthesis, binding ability towards Ca2+, Cu2+, Zn2+, Al3+, Fe3+ and biological assays. Journal of Molecular Liquids, 2018, 272, 609-624.	4.9	12
45	A dirhodium(ii,ii) complex as a highly selective molecular material for ammonia detection: QCM studies. Journal of Materials Chemistry, 2011, 21, 18034.	6.7	11
46	Synthesis, CO 2 sorption and capacitive properties of novel protic poly(ionic liquid)s. Journal of Molecular Liquids, 2017, 241, 222-230.	4.9	11
47	Potentiometric, UV and 1 H NMR study on the interaction of Cu 2+ with ampicillin and amoxicillin in aqueous solution. Biophysical Chemistry, 2017, 224, 59-66.	2.8	11
48	Multi-analytical methodology to diagnose the environmental impact suffered by building materials in coastal areas. Environmental Science and Pollution Research, 2018, 25, 4371-4386.	5.3	11
49	Potential roles of fluorine-containing sol-gel coatings against adhesion to control microbial biofilm. IOP Conference Series: Materials Science and Engineering, 2018, 459, 012021.	0.6	11
50	Removal of di- and tri-alkyltin(IV) compounds by polyphosphonate ligand: A speciation perspective. Journal of Molecular Liquids, 2017, 240, 128-137.	4.9	10
51	Effect of the ionic strength and temperature on the arsenic(V) -Fe3+ and -Al3+ interactions in aqueous solution. Fluid Phase Equilibria, 2018, 458, 9-15.	2.5	10
52	Eco-friendly nanocomposite products based on BPA-free epoxy-silica hybrid materials for stone conservation. Archaeological and Anthropological Sciences, 2019, 11, 5799-5812.	1.8	9
53	Synthesis and characterization of dirhodium(II,II) formamidinate complexes containing short-bite nitrogen ligands. Inorganica Chimica Acta, 2003, 344, 190-196.	2.4	8
54	Thermodynamic and spectroscopic study of Al 3+ interaction with glycine, l -cysteine and tranexamic acid in aqueous solution. Biophysical Chemistry, 2017, 230, 10-19.	2.8	7

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55	Lipids in Archaeological Pottery: A Review on Their Sampling and Extraction Techniques. <i>Molecules</i> , 2022, 27, 3451.	3.8	7
56	Analytical assessment to develop innovative nanostructured BPA-free epoxy-silica resins as multifunctional stone conservation materials. <i>Science of the Total Environment</i> , 2018, 645, 817-826.	8.0	6
57	Novel Luminescent Ionic Adducts Based on Pyrene-1-sulfonate. <i>ACS Omega</i> , 2018, 3, 18811-18820.	3.5	5
58	Risedronate complexes with Mg <sup>2+</sup> , Zn <sup>2+</sup> , Pb <sup>2+</sup> , and Cu <sup>2+</sup> : Species thermodynamics and sequestering ability in NaCl(aq) at different ionic strengths and at T <sup>Å</sup> =298.15 <sup>Å</sup> K. <i>Journal of Molecular Liquids</i> , 2021, 343, 117699.	4.9	5
59	Epoxy-silica hybrids as stone restoration materials. <i>Annali Di Chimica</i> , 2003, 93, 947-58.	0.6	5
60	(n-Butyldiphenylphosphine)dichloro(1-6-p-cymene)ruthenium(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, e429-e429.	0.4	4
61	Interactions of Inosine 5 <sup>Å</sup> -Monophosphate with Ca <sup>2+</sup> and Mg <sup>2+</sup> : A Thermodynamic and Spectroscopic Study in Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 2859-2866.	1.9	4
62	Design of epoxy-silica hybrids based on cycloaliphatic diol of natural origin for conservation of lithic materials. <i>Progress in Organic Coatings</i> , 2021, 151, 106028.	3.9	4
63	Redox-active dirhodium(ii,ii) species covalently entrapped into a methylmethacrylate backbone. <i>Dalton Transactions</i> , 2005, , 2979.	3.3	3
64	Exploring various ligand classes for the efficient sequestration of stannous cations in the environment. <i>Science of the Total Environment</i> , 2018, 643, 704-714.	8.0	3
65	Thermodynamic Solution Properties of a Biodegradable Chelant (L-glutamic-N,N-diacetic Acid, L-GLDA) and Its Sequestering Ability toward Cd <sup>2+</sup> . <i>Molecules</i> , 2021, 26, 7087.	3.8	3
66	Bifunctional 3-Hydroxy-4-Pyridinones as Potential Selective Iron(III) Chelators: Solution Studies and Comparison with Other Metals of Biological and Environmental Relevance. <i>Molecules</i> , 2021, 26, 7280.	3.8	3
67	Trimethoxysilylpolymethacrylate as new material for stone conservation. Porosimetric and colorimetric investigations. <i>Annali Di Chimica</i> , 2002, 92, 649-60.	0.6	2
68	In situ polymerization of 3-glycidoxypropyl trimethoxysilane (GLYTS) as a new tool for stone conservation. <i>Annali Di Chimica</i> , 2003, 93, 249-56.	0.6	2
69	Characterization of the thermodynamic properties of some benzenepolycarboxylic acids: Acid-base properties, weak complexes, total and neutral species solubility, solubility products in NaCl <sub>aq</sub> , (CH <sub>3</sub> ) <sub>4</sub> NCl <sub>aq</sub> and Synthetic Sea Water (SSW). <i>Fluid Phase Equilibria</i> , 2019, 480, 41-52.	2.5	1
70	Towards a rational design of materials for the removal of environmentally relevant cations: polymer inclusion membranes (PIMs) and surface-modified PIMs for Sn <sup>2+</sup> sequestration in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51072-51087.	5.3	1
71	Sugar-derived bio-based resins as platforms for the development of multifunctional hybrids with potential application for stone conservation. <i>Materials Today Communications</i> , 2022, 31, 103662.	1.9	1
72	Non-Invasive Approach to Investigate the Mineralogy and Production Technology of the Mosaic Tesserae from the Roman Domus of Villa San Pancrazio (Taormina, Italy). <i>Crystals</i> , 2021, 11, 1423.	2.2	0