

Paola Cardiano

List of Publications by Year in descending order

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72
papers

1,290
citations

304743

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h-index

434195

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all docs

74
docs citations

74
times ranked

1229
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lipids in Archaeological Pottery: A Review on Their Sampling and Extraction Techniques. <i>Molecules</i> , 2022, 27, 3451.	3.8	7
3	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
4	Towards a rational design of materials for the removal of environmentally relevant cations: polymer inclusion membranes (PIMs) and surface-modified PIMs for Sn ²⁺ sequestration in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51072-51087.	5.3	1
5	Risedronate complexes with Mg ²⁺ , Zn ²⁺ , Pb ²⁺ , and Cu ²⁺ : Species thermodynamics and sequestering ability in NaCl(aq) at different ionic strengths and at T=298.15 K. <i>Journal of Molecular Liquids</i> , 2021, 343, 117699.	4.9	5
6	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
7	Thermodynamic Solution Properties of a Biodegradable Chelant (L-glutamic-N,N-diacetic Acid, L-GLDA) and Its Sequestering Ability toward Cd ²⁺ . <i>Molecules</i> , 2021, 26, 7087.	3.8	3
8	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
9	Complexation of environmentally and biologically relevant metals with bifunctional 3-hydroxy-4-pyridinones. <i>Journal of Molecular Liquids</i> , 2020, 319, 114349.	4.9	15
10	Design, synthesis and characterization of hybrid coatings suitable for geopolymeric-based supports for the restoration of cultural heritage. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 777, 012003.	0.6	13
11	Interaction of N-acetyl-L-cysteine with Na ⁺ , Ca ²⁺ , Mg ²⁺ and Zn ²⁺ . Thermodynamic aspects, chemical speciation and sequestering ability in natural fluids. <i>Journal of Molecular Liquids</i> , 2020, 319, 114164.	4.9	13
12	Eco-friendly nanocomposite products based on BPA-free epoxy-silica hybrid materials for stone conservation. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 5799-5812.	1.8	9
13	Interactions of Inosine 5'-Monophosphate with Ca ²⁺ and Mg ²⁺ : A Thermodynamic and Spectroscopic Study in Aqueous Solution. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2859-2866.	1.9	4
14	A new bis-(3-hydroxy-4-pyridinone)-DTPA-derivative: Synthesis, complexation of di-/tri-valent metal cations and in vivo M ³⁺ sequestering ability. <i>Journal of Molecular Liquids</i> , 2019, 281, 280-294.	4.9	14
15	Speciation Studies of Bifunctional 3-Hydroxy-4-Pyridinone Ligands in the Presence of Zn ²⁺ at Different Ionic Strengths and Temperatures. <i>Molecules</i> , 2019, 24, 4084.	3.8	14
16	Characterization of the thermodynamic properties of some benzenepolycarboxylic acids: Acid-base properties, weak complexes, total and neutral species solubility, solubility products in NaCl(aq), (CH ₃) ₄ NCl(aq) and Synthetic Sea Water (SSW). <i>Fluid Phase Equilibria</i> , 2019, 480, 41-52.	2.5	1
17	Sequestration of HEDPA, NTA and phosphonic NTA derivatives towards Al ³⁺ in aqueous solution. <i>Journal of Molecular Liquids</i> , 2018, 261, 96-106.	4.9	13
18	Study of Al ³⁺ interaction with AMP, ADP and ATP in aqueous solution. <i>Biophysical Chemistry</i> , 2018, 234, 42-50.	2.8	25

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19	Multi-analytical methodology to diagnose the environmental impact suffered by building materials in coastal areas. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4371-4386.	5.3	11
20	Effect of the ionic strength and temperature on the arsenic(V) -Fe ³⁺ and -Al ³⁺ interactions in aqueous solution. <i>Fluid Phase Equilibria</i> , 2018, 458, 9-15.	2.5	10
21	Novel Luminescent Ionic Adducts Based on Pyrene-1-sulfonate. <i>ACS Omega</i> , 2018, 3, 18811-18820.	3.5	5
22	New bis-(3-hydroxy-4-pyridinone)-NTA-derivative: Synthesis, binding ability towards Ca ²⁺ , Cu ²⁺ , Zn ²⁺ , Al ³⁺ , Fe ³⁺ and biological assays. <i>Journal of Molecular Liquids</i> , 2018, 272, 609-624.	4.9	12
23	Potential roles of fluorine-containing sol-gel coatings against adhesion to control microbial biofilm. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 459, 012021.	0.6	11
24	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
25	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
26	Bifunctional 3-hydroxy-4-pyridinones as effective aluminium chelators: synthesis, solution equilibrium studies and in vivo evaluation. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 116-129.	3.5	13
27	Capacitive properties of the hydrophobic [2-(methacryloyloxy)ethyl]-trimethyl ammonium nonafluoro-1-butanefluorobutanesulfonate poly(ionic liquid) thin film. <i>Ionics</i> , 2017, 23, 1481-1487.	2.4	12
28	Potentiometric, UV and ¹ H NMR study on the interaction of penicillin derivatives with Zn(II) in aqueous solution. <i>Biophysical Chemistry</i> , 2017, 223, 1-10.	2.8	12
29	Thermodynamic and spectroscopic study on Al ³⁺ -polycarboxylate interaction in aqueous solution. <i>Journal of Molecular Liquids</i> , 2017, 232, 45-54.	4.9	17
30	On the complexation of metal cations with pure diethylenetriamine-N,N,N',N'-tetraacetic acid and pentakis(methylenephosphonic) acid. <i>New Journal of Chemistry</i> , 2017, 41, 4065-4075.		17
31	Synthesis, CO ₂ sorption and capacitive properties of novel protic poly(ionic liquid)s. <i>Journal of Molecular Liquids</i> , 2017, 241, 222-230.	4.9	11
32	Removal of di- and tri-alkyltin(IV) compounds by polyphosphonate ligand: A speciation perspective. <i>Journal of Molecular Liquids</i> , 2017, 240, 128-137.	4.9	10
33	Potentiometric, UV and ¹ H NMR study on the interaction of Cu ²⁺ with ampicillin and amoxicillin in aqueous solution. <i>Biophysical Chemistry</i> , 2017, 224, 59-66.	2.8	11
34	Thermodynamic and spectroscopic study of Al ³⁺ interaction with glycine, L-cysteine and tranexamic acid in aqueous solution. <i>Biophysical Chemistry</i> , 2017, 230, 10-19.	2.8	7
35	Sequestration of Aluminium(III) by different natural and synthetic organic and inorganic ligands in aqueous solution. <i>Chemosphere</i> , 2017, 186, 535-545.	8.2	24
36	Testing the antimicrobial properties of an upcoming environmental-friendly family of ionic liquids. <i>Journal of Molecular Liquids</i> , 2017, 248, 81-85.	4.9	22

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37	Sequestering Ability of Oligophosphate Ligands toward Al^{3+} in Aqueous Solution. Journal of Chemical & Engineering Data, 2017, 62, 3981-3990.	1.9	32
38	Thermodynamics of Al^{3+} -thiocarboxylate interaction in aqueous solution. Journal of Molecular Liquids, 2016, 222, 614-621.	4.9	26
39	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
40	Sequestration ability of task specific ionic liquids towards cations of environmental interest. Journal of Molecular Liquids, 2016, 223, 174-181.	4.9	15
41	Highly untangled multiwalled carbon nanotube@polyhedral oligomeric silsesquioxane ionic hybrids: Synthesis, characterization and nonlinear optical properties. Carbon, 2015, 86, 325-337.	10.3	23
42	Star-shaped Quaternary Alkylammonium Polyhedral Oligomeric Silsesquioxane Ionic Liquids. European Journal of Inorganic Chemistry, 2014, 2014, 2704-2710.	2.0	14
43	Binding ability of glutathione towards alkyltin(IV) compounds in aqueous solution. Journal of Inorganic Biochemistry, 2013, 129, 84-93.	3.5	33
44	A new supramolecular polyhedral oligomeric silsesquioxanes (POSS)-porphyrin nanohybrid: synthesis and spectroscopic characterization. Journal of Materials Chemistry C, 2013, 1, 4746.	5.5	31
45	POSS-Tetraalkylammonium Salts: A New Class of Ionic Liquids. European Journal of Inorganic Chemistry, 2012, 2012, 5668-5676.	2.0	26
46	Fast and reversible CO_2 quartz crystal microbalance response of vinylimidazolium-based poly(ionic liquid)s. Polymers for Advanced Technologies, 2012, 23, 1511-1519.	3.2	27
47	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
48	Methylmercury(ii)-sulfur containing ligand interactions: a potentiometric, calorimetric and 1H -NMR study in aqueous solution. New Journal of Chemistry, 2011, 35, 800.	2.8	26
49	Sequestration of Hg^{2+} by Some Biologically Important Thiols. Journal of Chemical & Engineering Data, 2011, 56, 4741-4750.	1.9	47
50	Potentiometric, Calorimetric, and 1H NMR Investigation on Hg^{2+} -Mercaptocarboxylate Interaction in Aqueous Solution. Journal of Chemical & Engineering Data, 2011, 56, 1995-2004.	1.9	25
51	Hydrorepellent properties of organic-inorganic hybrid materials. Journal of Non-Crystalline Solids, 2010, 356, 917-926.	3.1	13
52	Very fast CO_2 response and hydrophobic properties of novel poly(ionic liquid)s. Journal of Materials Chemistry, 2009, 19, 8861.	6.7	48
53	Potentiometric, 1H NMR and ESI-MS investigation on dimethyltin(iv) cation-mercaptocarboxylate interaction in aqueous solution. New Journal of Chemistry, 2009, 33, 2286.	2.8	34
54	Investigations on ancient mortars from the Basilian monastery of FragalÃ. Journal of Thermal Analysis and Calorimetry, 2008, 91, 477-485.	3.6	15

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55	Hydrophobic properties of new epoxy-silica hybrids. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3380-3387.	2.6	21
56	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
57	A new application of ionic liquids: hydrophobic properties of tetraalkylammonium-based poly(ionic) Tj ETQq1 1 0.784314 rgBT /Overlo 6.7 48	6.7	48
58	Novel propylmethacrylate-monofunctionalized polyhedral oligomeric silsesquioxanes homopolymers prepared via radical bulk free polymerization. <i>European Polymer Journal</i> , 2007, 43, 4898-4904.	5.4	17
59	Thermodynamic and spectroscopic study of the binding of dimethyltin(IV) by citrate at 25 °C. <i>Applied Organometallic Chemistry</i> , 2006, 20, 425-435.	3.5	24
60	Epoxy-silica polymers as stone conservation materials. <i>Polymer</i> , 2005, 46, 1857-1864.	3.8	62
61	Hemilabile Thioether Ligands Based on Pyrimidine and/or Pyridine Derivatives that Interconvert between N,S- and N-Coordination in Congested Ruthenium(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2423-2435.	2.0	12
62	Redox-active dirhodium(II,II) species covalently entrapped into a methylmethacrylate backbone. <i>Dalton Transactions</i> , 2005, , 2979.	3.3	3
63	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
64	Synthesis and characterization of dirhodium(II,II) formamidinate complexes containing short-bite nitrogen ligands. <i>Inorganica Chimica Acta</i> , 2003, 344, 190-196.	2.4	8
65	Epoxy-silica polymers as restoration materials. Part II. <i>Polymer</i> , 2003, 44, 4435-4441.	3.8	34
66	In situ polymerization of 3-glycidioxypropyl trimethoxysilane (GLYTS) as a new tool for stone conservation. <i>Annali Di Chimica</i> , 2003, 93, 249-56.	0.6	2
67	Epoxy-silica hybrids as stone restoration materials. <i>Annali Di Chimica</i> , 2003, 93, 947-58.	0.6	5
68	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 CH ₂ R and 2-Pyridyl or 2-Pyrimidinyl Groups. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 181-191.	2.0	22
69	Epoxy-silica polymers as restoration materials. <i>Polymer</i> , 2002, 43, 6635-6640.	3.8	82
70	Trimethoxysilylpolymethacrylate as new material for stone conservation. Porosimetric and colorimetric investigations. <i>Annali Di Chimica</i> , 2002, 92, 649-60.	0.6	2
71	(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
72	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