

Eliano Diana

List of Publications by Year in descending order

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57
papers

1,126
citations

361413

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414414

32
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all docs

57
docs citations

57
times ranked

1779
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of dyestuffs in historical textiles: Strong and weak points of a non-invasive approach. <i>Dyes and Pigments</i> , 2013, 98, 136-145.	3.7	116
2	The vibrational spectra of the cyanide ligand revisited: the $\hat{1}\frac{1}{2}$ (CN) infrared and Raman spectroscopy of Prussian blue and its analogues. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 2006-2014.	2.5	77
3	Vibrational Study of Some Layered Structures Based on Titanium and Zirconium Phosphates. <i>Inorganic Chemistry</i> , 2004, 43, 5698-5703.	4.0	68
4	The Vibrational Spectra of the Cyanide Ligand Revisited. Bridging Cyanides. <i>Inorganic Chemistry</i> , 2007, 46, 2409-2416.	4.0	63
5	Autoluminescent Metal-Organic Frameworks (MOFs): Self-Photoemission of a Highly Stable Thorium MOF. <i>Journal of the American Chemical Society</i> , 2018, 140, 14144-14149.	13.7	56
6	The Vibrational Spectra of the Cyanide Ligand Revisited: \hat{A} Terminal Cyanides. <i>Inorganic Chemistry</i> , 2006, 45, 4928-4937.	4.0	43
7	A fast effective route to pH-dependent water-dispersion of oxidized single-walled carbon nanotubes. <i>Carbon</i> , 2006, 44, 587-590.	10.3	43
8	Synthesis, Structural and Spectroscopic Characterization of Four $[(\hat{1}\text{-PAH})\text{Cr}(\text{CO})_3]$ Complexes (PAH =) Tj ETQq0 0 0 rgBT /Overlock 10 1505-1513.	2.0	38
9	Functionalization of Sol Gel Bioactive Glasses Carrying Au Nanoparticles: Selective Au Affinity for Amino and Thiol Ligand Groups. <i>Langmuir</i> , 2010, 26, 18600-18605.	3.5	32
10	A Carborane- \hat{D} Derivative $\hat{\text{C}}$ Click $\hat{\text{C}}$ Reaction under Heterogeneous Conditions for the Synthesis of a Promising Lipophilic MRI/GdBNCT Agent. <i>Chemistry - A European Journal</i> , 2013, 19, 721-728.	3.3	32
11	Surface-enhanced Raman scattering for the analysis of red lake pigments in painting layers mounted in cross sections. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1127-1132.	2.5	30
12	The Vibrational Spectra of the Cyanide Ligand Revisited: Double Bridging Cyanides. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3920-3929.	2.0	28
13	Structural and Spectroscopic Study of the Dihydrogen Bond in an Imine Triosmium Complex. <i>Organometallics</i> , 2002, 21, 50-57.	2.3	27
14	Solvent-Free Synthesis of Luminescent Copper(I) Coordination Polymers with Thiourea Derivatives. <i>Crystal Growth and Design</i> , 2015, 15, 2929-2939.	3.0	27
15	Blue fluorescent zinc(II) complexes based on tunable imidazo[1,5-a]pyridines. <i>Inorganica Chimica Acta</i> , 2020, 509, 119662.	2.4	27
16	Highly Water Soluble C60 Derivatives: A New Synthesis. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2003, 11, 35-46.	2.1	25
17	Why Are the Terminal $\hat{1}\frac{1}{2}$ (CO) Infrared Spectra of Metal Cluster Carbonyls So Often So Simple?. <i>Journal of the American Chemical Society</i> , 1997, 119, 8228-8231.	13.7	23
18	Benzene and Tropilium Metal Complexes. Intra- and Intermolecular Interaction Evidenced by Vibrational Analysis: $\hat{\text{C}}$ The Blue-Shift Hydrogen Bond. <i>Organometallics</i> , 2006, 25, 5024-5030.	2.3	22

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19	Experimental and theoretical charge density of hydrated cupric acetate. <i>Polyhedron</i> , 2012, 42, 118-127.	2.2	22
20	Synthesis, structural and spectroscopic study of the donor-acceptor complexes between fluorene and D2hcyano molecular building blocks. <i>CrystEngComm</i> , 2003, 5, 388-394.	2.6	20
21	Solid-State Adducts between C60 and Decamethylferrocene. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1186-1192.	2.0	19
22	The charge distribution on metal-bonded cyclopentadienyl rings from infrared intensities. <i>Journal of Organometallic Chemistry</i> , 2000, 593-594, 36-43.	1.8	17
23	Proper and Improper Hydrogen Bonds in Metalloorganic Crystal Architecture: An Experimental Evidence in [CoCp2]+ and [FeCp2]+Salts. <i>Journal of the American Chemical Society</i> , 2004, 126, 7418-7419.	13.7	17
24	Bridging Solution and Solid-State Chemistry of Dicyanoaurate: The Case Study of Zn-Au Nucleation Units. <i>Inorganic Chemistry</i> , 2020, 59, 203-213.	4.0	17
25	Non-linear optical properties of 1,2-D-fructopyranose calcium chloride MOFs: an experimental and theoretical approach. <i>Journal of Materials Science</i> , 2015, 50, 4330-4341.	3.7	16
26	Efficient Direct Water-Solubilisation of Single-Walled Carbon Nanotube Derivatives. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2004, 12, 789-809.	2.1	15
27	Synthesis, characterization and cell viability test of six vanadyl complexes with acetylacetonate derivatives. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 26-37.	3.5	15
28	Structural and spectroscopic study of the asymmetric 2-(2-pyridyl)-1,8-naphthyridine ligand with closed-shell metals. <i>Polyhedron</i> , 2017, 138, 239-248.	2.2	14
29	The Interpretation of the Short Range Disorder in the Fluorene-TCNE Crystal Structure. <i>International Journal of Molecular Sciences</i> , 2004, 5, 93-100.	4.1	13
30	Decorated prehistoric pottery from Castello di Annone (Piedmont, Italy): archaeometric study and pilot comparison with coeval analogous finds. <i>Journal of Archaeological Science</i> , 2013, 40, 4249-4263.	2.4	12
31	Luminescent coordination polymers of 2,2'-bipyrimidine and mercury(II) salts: A structural and computational study. <i>Polyhedron</i> , 2016, 104, 25-36.	2.2	12
32	Visible-Light-Driven Photocatalytic Transformation of 1,2-Unsaturated N-Tosylhydrazones: A Novel Route to Allylic Sulfones. <i>ChemPhotoChem</i> , 2017, 1, 56-59.	3.0	12
33	Syntheses of chromium tricarbonyl organometals of 1-methyl-naphthalene and different polycyclic aromatic hydrocarbons, characterisation of the (C11H10)Cr(CO)3 isomers and the crystal structure of the [(1-6-5,6,7,8,9,10-C11H10)Cr(CO)3] complex. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2299-2305.	1.8	11
34	Vibrational-Structural Combined Study into Luminescent Mixed Copper(I)/Copper(II) Cyanide Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2975-2983.	2.0	11
35	Transfiguring biodegradation of frescoes in the Beata Vergine del Pilone Sanctuary (Italy): Microbial analysis and mineral-chemical aspects. <i>International Biodeterioration and Biodegradation</i> , 2015, 98, 6-18.	3.9	10
36	Iron-nickel mixed metal clusters: synthesis, reactivity and vibrational spectroscopy of [FeNi5(CO)13]2-. Solid state structure of the anions [FeNi5(CO)13]2- and [Fe3Ni(CO)12]2-. <i>Inorganica Chimica Acta</i> , 2003, 350, 107-113.	2.4	8

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37	Spectral and chemical evidence for the direct formation of carboxylic groups in aerobically oxidised water-soluble fullerenes. <i>Carbon</i> , 2007, 45, 2502-2510.	10.3	8
38	The influence of the chelating/combustion agents on the structure and magnetic properties of zinc ferrite. <i>Open Chemistry</i> , 2012, 10, 1799-1807.	1.9	8
39	The vibrational spectroscopy of the coordinated azide anion; a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 414-425.	2.8	8
40	FT-Raman and surface-enhanced Raman scattering (SERS) spectroscopic study of a methyl red@palygorskite hybrid nanocomposite: isomerization and protonation of the guest dye. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 507-517.	2.5	8
41	Vibrational Spectra of Bridging Carbonyl Groups in Transition Metal Carbonyl Clusters. <i>Inorganic Chemistry</i> , 2002, 41, 3620-3627.	4.0	7
42	Reticular chemistry applied on coordination polymers of Copper(I) cyanide with tridentate ligands: effect of the ligand flexibility and donor properties on topology, dimensionality and reaction behavior in solvothermal conditions. <i>Polyhedron</i> , 2021, 198, 115059.	2.2	7
43	New Cyclosiloxanolate Cluster Complexes of Transition Metals. <i>Journal of Cluster Science</i> , 2007, 18, 217-236.	3.3	5
44	Blue and red shift hydrogen bonds in crystalline cobaltocinium complexes. <i>New Journal of Chemistry</i> , 2012, 36, 1099.	2.8	5
45	Thermodynamic, spectroscopic and DFT description of oxidovanadium(IV) complexes with malate and tartrate in aqueous solution. <i>Inorganica Chimica Acta</i> , 2014, 414, 105-114.	2.4	5
46	Polymorphism and solid state peculiarities in imidazo[1,5-a]pyridine core deriving compounds: An analysis of energetic and structural driving forces. <i>Journal of Molecular Structure</i> , 2022, 1253, 132175.	3.6	5
47	Crystal engineering of aurophilic supramolecular architectures and coordination polymers based on butterfly-like copper-dicyanoaurate complexes: vapochromism, P-T behaviour and multi-metallic cocrystal formation. <i>CrystEngComm</i> , 2022, 24, 2336-2348.	2.6	5
48	Hydrosolubilization of Large Aromatic Molecules: Facile Synthesis and Characterization of Water-Soluble Derivatives of Decacyclene. <i>Synthetic Communications</i> , 2003, 33, 3331-3345.	2.1	4
49	A new heterometallic multiligand 3D coordination polymer: synthesis and structure of [Pb(OH)] _n [Ag(SCN)(CN)] _n . <i>CrystEngComm</i> , 2014, 16, 10040-10045.	2.6	4
50	EPR and photophysical characterization of six bioactive oxidovanadium(IV) complexes in the conditions of in vitro cell tests. <i>Journal of Inorganic Biochemistry</i> , 2017, 170, 55-62.	3.5	3
51	[Ag(PPh ₃) ₄][[(PPh ₃) ₃ CdCl ₃], the first monomeric trichlorocadmate complex bonded to a phosphorus ligand: A structural and spectroscopic study in solution and solid state. <i>Inorganic Chemistry Communication</i> , 2016, 70, 35-40.	3.9	2
52	A new triazoloquinoxaline ligand and its polymeric 1D silver(I) complex: synthesis, structure, and antimicrobial activity. <i>New Journal of Chemistry</i> , 2018, 42, 7197-7205.	2.8	1
53	Effects of Vanadyl Complexes with Acetylacetonate Derivatives on Non-Tumor and Tumor Cell Lines. <i>Molecules</i> , 2021, 26, 5534.	3.8	1
54	Metallophilic interactions in silver(I) dicyanoaurate complexes. <i>Dalton Transactions</i> , 2022, , .	3.3	1

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55	HgBrI: a possible tecton for NLO molecular materials?. Dalton Transactions, 2022, 51, 5296-5308.	3.3	1
56	Vibrational Study of Some Layered Structures Based on Titanium and Zirconium Phosphates.. ChemInform, 2004, 35, no.	0.0	0
57	Vibrational and DFT analysis of perfluoro-o-phenylenemercury compounds. Journal of Organometallic Chemistry, 2010, 695, 1651-1656.	1.8	0