

Francesco Capitelli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

1,215
citations

19
h-index

30
g-index

93
ext. papers

1,348
ext. citations

2.1
avg, IF

3.97
L-index

#	Paper	IF	Citations
87	Spectroscopic and Structural Properties of Tricalcium Phosphates $\text{Ca}_9\text{RE}(\text{PO}_4)_7$ (RE = Nd, Gd, Dy). <i>Crystals</i> , 2021 , 11, 1269	2.3	0
86	A Comprehensive Study of $\text{Ca}_9\text{Tb}(\text{PO}_4)_7$ and $\text{Ca}_9\text{Ho}(\text{PO}_4)_7$ Doped Tricalcium Phosphates: Ab initio Crystal Structure Solution, Rietveld Analysis, and Dielectric Properties. <i>Crystal Growth and Design</i> , 2021 , 21, 2263-2276	3.5	2
85	Neutron and XRD Single-Crystal Diffraction Study and Vibrational Properties of Whitlockite, the Natural Counterpart of Synthetic Tricalcium Phosphate. <i>Crystals</i> , 2021 , 11, 225	2.3	4
84	Crystal Chemistry and Luminescence Properties of Eu-Doped Polycrystalline Hydroxyapatite Synthesized by Chemical Precipitation at Room Temperature. <i>Crystals</i> , 2020 , 10, 250	2.3	9
83	Characterization and Luminescence of Eu^{3+} - and Gd^{3+} -Doped Hydroxyapatite $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$. <i>Crystals</i> , 2020 , 10, 806	2.3	11
82	A Raman study of chalcogen species in sodalite-group minerals from the volcanic rocks of Latium (Italy). <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 1513-1521	2.3	2
81	Functional Nano-Hydroxyapatite for Applications in Conservation of Stony Monuments of Cultural Heritage. <i>Proceedings (mdpi)</i> , 2020 , 62, 11	0.3	0
80	Bismuth-substituted hydroxyapatite ceramics synthesis: Morphological, structural, vibrational and dielectric properties. <i>Inorganic Chemistry Communication</i> , 2019 , 110, 107568	3.1	7
79	New $\text{Ca}_{2.90}(\text{Me}^{2+})_{0.10}(\text{PO}_4)_2$ Tricalcium Phosphates with $\text{Me}^{2+} = \text{Mn, Ni, Cu}$: Synthesis, Crystal-Chemistry, and Luminescence Properties. <i>Crystals</i> , 2019 , 9, 288	2.3	8
78	X-ray Structure Refinement and Vibrational Spectroscopy of Metavauxite $\text{FeAl}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 2\text{H}_2\text{O}$. <i>Crystals</i> , 2019 , 9, 297	2.3	
77	Preparation, structural and spectroscopical properties of silver terbium diphosphate AgTbP_2O_7 . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019 , 234, 363-369	1	2
76	The Rietveld Refinement in the EXPO Software: A Powerful Tool at the End of the Elaborate Crystal Structure Solution Pathway. <i>Crystals</i> , 2018 , 8, 203	2.3	6
75	Synthesis, structural characterization and luminescent properties of Tb^{3+} -doped AgLaP_2O_7 phosphors. <i>Ceramics International</i> , 2018 , 44, 19184-19190	5.1	10
74	Synthesis, structural model and vibrational spectroscopy of lutetium tricalcium phosphate $\text{Ca}_9\text{Lu}(\text{PO}_4)_7$. <i>Journal of Rare Earths</i> , 2018 , 36, 1162-1168	3.7	14
73	Synthesis, structure refinement and vibrational spectroscopy of new rare-earth tricalcium phosphates $\text{Ca}_9\text{RE}(\text{PO}_4)_7$ (RE = La, Pr, Nd, Eu, Gd, Dy, Tm, Yb). <i>Ceramics International</i> , 2017 , 43, 15645-15653	5.1	23
72	Compositional variation of turquoise-group minerals from the historical collection of the Real Museo Mineralogico of the University of Naples. <i>Mineralogical Magazine</i> , 2017 , 81, 1405-1429	1.7	7
71	Fibrous minerals from Somma-Vesuvius volcanic complex. <i>Mineralogy and Petrology</i> , 2016 , 110, 471-489	1.6	1

70	Improved Synthesis of Larger Resorcinarenes. <i>Journal of Organic Chemistry</i> , 2016 , 81, 5726-31	4.2	11
69	Synthesis and supramolecular features of hybrid POM/onium solid-state assemblies. <i>Supramolecular Chemistry</i> , 2016 , 28, 403-417	1.8	2
68	Structure Refinement and Vibrational Spectroscopy of Vauxite From the Type Locality, Llallagua (Bolivia). <i>Canadian Mineralogist</i> , 2016 , 54, 163-176	0.7	6
67	Synthesis, Spectral, and Antimicrobial Studies of Nickel(II) Complexes With Nitrogen-Containing Ligands. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015 , 45, 469-476		6
66	X-ray structures versus NMR signals in pentacoordinate [PtX ₂ (12-CH ₂ CH ₂)(Me ₂ phen)] (X = Cl, Br, I) complexes. <i>Inorganica Chimica Acta</i> , 2015 , 428, 8-13	2.7	14
65	Multi-methodological investigation of kunzite, hiddenite, alexandrite, elbaite and topaz, based on laser-induced breakdown spectroscopy and conventional analytical techniques for supporting mineralogical characterization. <i>Physics and Chemistry of Minerals</i> , 2014 , 41, 127-140	1.6	28
64	Stacked naphthyls and weak hydrogen-bond interactions govern the conformational behavior of P-resolved cyclic phosphoramidates: a combined experimental and computational study. <i>Journal of Organic Chemistry</i> , 2014 , 79, 11101-9	4.2	8
63	Spectroscopic and structural investigation of BaNaP ₃ O ₉ ·3H ₂ O cyclotriphosphate. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014 , 189, 1841-1850	1	1
62	Crystal-chemical study of wavellite from Zbirov, Czech Republic. <i>Mineralogical Magazine</i> , 2014 , 78, 1057-1070		7
61	Structural Motifs in Enantiopure Halogenated Aryl Benzyl Sulfoxides: Effect of Fluorine Substitution. <i>Crystal Growth and Design</i> , 2014 , 14, 5442-5451	3.5	11
60	Crystal-chemical investigation of Al ₂ (PO ₄) ₃ (OH) Augelite from Rapid Creek, Yukon, Canada. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014 , 229,	1	2
59	Reactivity of [PtCl(12-C ₂ H ₄)(N-N)] ⁺ , N-N = diimine ligand, with phenol derivatives and first comparison between single crystal X-ray structures of syn- and anti-[Pt(N-N)(phenolate) ₂] rotamers in the solid state. <i>Inorganica Chimica Acta</i> , 2014 , 409, 427-432	2.7	15
58	Structure and Vibrational Spectra of a New Acidic Diphosphate K ₂ Cu(H ₂ P ₂ O ₇) ₂ ·2H ₂ O. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 1038-1052	1	8
57	Spectroscopy and X-ray structure refinement of sekaninaite from Dolní Bory (Czech Republic). <i>Mineralogical Magazine</i> , 2013 , 77, 485-498	1.7	4
56	The Effect of the Fluorine Substitution on the Enantioselective Oxidation of Sulfides with Chiral Titanium Catalysts: A Combined Computational and Experimental Investigation. <i>ChemCatChem</i> , 2013 , 5, 210-219	5.2	17
55	Quantitative analysis of H ₂ O and CO ₂ in cordierite using polarized FTIR spectroscopy. <i>Contributions To Mineralogy and Petrology</i> , 2012 , 164, 881-894	3.5	12
54	Vibrational Study of Dipotassium Zinc Bis(Dihydrogendiphosphate) Dihydrate, K ₂ Zn(H ₂ P ₂ O ₇) ₂ ·2H ₂ O. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012 , 187, 1367-1376	1	5
53	Investigation on the weak interactions assembling the crystal structures of Betti bases. <i>CrystEngComm</i> , 2012 , 14, 3972	3.3	18

52	Crystal-chemical investigation of $\text{Fe}_3(\text{PO}_4)_2 \cdot 8 \text{H}_2\text{O}$ vivianite minerals. <i>Zeitschrift Für Kristallographie</i> , 2012 , 227, 92-101		20
51	A Laser Induced Breakdown Spectroscopy application based on Local Thermodynamic Equilibrium assumption for the elemental analysis of alexandrite gemstone and copper-based alloys. <i>Chemical Physics</i> , 2012 , 398, 233-238	2.3	40
50	Crystal structure and infrared spectrum of new magnesium tetra-ammonium cyclotriphosphate tetrahydrate $\text{Mg}(\text{NH}_4)_4(\text{P}_3\text{O}_9)_2 \cdot 4 \text{H}_2\text{O}$. <i>Zeitschrift Für Kristallographie</i> , 2012 , 227, 141-146		4
49	REEA _{2.07} (B ₄ O ₁₀)O _{0.60} dimetaborates (REE = La, Pr); synthesis and X-ray structural characterization. <i>Zeitschrift Für Kristallographie</i> , 2011 , 226, 219-225		5
48	Crystal structure of whiteite-(CaFeMg) from Crosscut Creek, Canada. <i>Zeitschrift Für Kristallographie</i> , 2011 , 226, 731-738		7
47	Crystal-chemical and structural characterization of fluorapatites in ejecta from Somma-Vesuvius volcanic complex. <i>American Mineralogist</i> , 2011 , 96, 1828-1837	2.9	18
46	Indium-doped gallophosphate $\text{NH}_4[\text{NiGa}_{1.84}\text{In}_{0.16}(\text{PO}_4)_3(\text{H}_2\text{O})_2]$: synthesis, X-ray crystal structure and IR spectroscopy. <i>Zeitschrift Für Kristallographie</i> , 2010 , 225, 359-365		3
45	Crystal Structure and IR Study of $(\text{C}_6\text{H}_5\text{NH}_3)[\text{ZnCl}(\text{HPO}_3)]$. <i>Journal of Chemical Crystallography</i> , 2010 , 40, 486-490	0.5	7
44	Synthesis and single crystal X-ray structure of the tetragonal tungsten bronze $\text{Pb}_{0.91}\text{K}_{1.72}\text{Li}_{1.46}\text{Nb}_5\text{O}_{15}$. <i>Crystal Research and Technology</i> , 2010 , 45, 1204-1208	1.3	
43	Synthesis and Physicochemical Studies of Nickel(II) Complexes of 2-substituted-1,3-diphenyl-1,3-propanedione, their 2,2'-Bipyridine and 1,10-Phenanthroline Adducts and X-Ray Structure of (2,2'-Bipyridine)Bis(1,3-diphenyl-1,3-propanedionato) Nickel(II). <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2009 , 39, 694-703		3
42	X-ray crystal structure of synthetic REEA _{2.07} (B ₄ O ₁₀)O _{0.60} (REE = (La, Ce); Ce; Nd) dimetaborates. <i>Zeitschrift Für Kristallographie</i> , 2009 , 224,		4
41	A combined theoretical and experimental investigation on the enantioselective oxidation of aryl benzyl sulfides in the presence of a chiral titanium catalyst. <i>Chemistry - A European Journal</i> , 2009 , 15, 13417-26	4.8	35
40	Synthesis and Characterization of Some Nickel(II) and Copper(II) Complexes of 2-substituted-4,4,4-trifluoro-1-(2-thienyl)butane-1,3-dione (TTAH), their 2,2'-Bipyridine and 1,10-Phenanthroline Adducts and X-Ray Structure of (2,2'-Bipyridine)Bis(4,4,4-Trifluoro-1-(2-thienyl)butane-1,3-dionato)Nickel(II). <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2009 , 39, 694-711		10
39	New thallium diphosphates $\text{Tl}_2\text{Me}(\text{H}_2\text{P}_2\text{O}_7)_2 \cdot 2 \text{H}_2\text{O}$, Me = Mg, Mn, Co, Ni and Zn. Synthesis, single crystal X-ray structures and powder X-ray structure of the Mg phase. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008 , 223, 448-455	1	7
38	Oxidation of natural targets by dioxiranes. Part 6: on the direct regio- and site-selective oxyfunctionalization of estrone and of 5 β -androstane steroid derivatives. <i>Tetrahedron Letters</i> , 2008 , 49, 5614-5617	2	8
37	A new dinuclear platinum complex with a nitrogen-containing geminal bisphosphonate as potential anticancer compound specifically targeted to bone tissues. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 2078-86	4.2	27
36	Highly selective metal mediated ortho-alkylation of phenol. First platinum containing organometallic chromane analogues. <i>Dalton Transactions</i> , 2007 , 5720-5	4.3	26
35	Crystal structure of a vivianite-type mineral: Mg-rich erythrite, $(\text{Co}_{2.16}\text{Ni}_{0.24}\text{Mg}_{0.60})(\text{AsO}_4)_2 \cdot 8 \text{H}_2\text{O}$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2007 , 222,	1	4

34	Stereoselective dimerization of 3-arylisoxazoles to cage-shaped bis-lactams syn 2,6-diaryl-3,7-diazatricyclo[4.2.0.0 ^{2,5}]octan-4,8-diones induced by hindered lithium amides. <i>Tetrahedron</i> , 2007 , 63, 12388-12395	2.4	22
33	Stereoselective dioxirane hydroxylations and the synthesis of tripod boronic acid esters. <i>Tetrahedron Letters</i> , 2007 , 48, 3575-3578	2	6
32	Single Crystal X-ray Diffraction Study of a Pure Natrolite Sample. <i>Journal of Chemical Crystallography</i> , 2007 , 37, 583-586	0.5	9
31	New monodiphosphate Li ₉ Cr ₃ (P ₂ O ₇) ₃ (PO ₄) ₂ : X-ray crystal structure and vibrational spectroscopy. <i>Zeitschrift Für Kristallographie</i> , 2007 , 222, 521-526		10
30	The synthesis of chiral ketosulfoxides by enantioselective oxidation and their stereocontrolled reduction to hydroxysulfoxides. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 223-229		27
29	New hybrid diphosphates Ln ₂ (NH ₂ (CH ₂) ₂ NH ₂)(HP ₂ O ₇) ₂ · 4 H ₂ O (Ln = Eu, Tb, Er): synthesis, single crystal and powder X-ray crystal structure. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006 , 221, 788-794	1	14
28	New isostructural ethylenediammonium diphosphates (NH ₃ (CH ₂) ₂ NH ₃) ₂ [Me(HP ₂ O ₇) ₂ · 2 H ₂ O] [Me = Co, Ni]: X-ray crystal structure and vibrational spectroscopy. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006 , 221, 649-655	1	6
27	Crystal structure of new lanthanide diphosphates KLnP ₂ O ₇ · 2 H ₂ O (Ln = Gd, Tb, Yb). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006 , 221, 173-177	1	14
26	Self-assemblies of chiral p-haloaryl sulfoxides through C ^δ -O short contacts and halogen involving interactions. <i>New Journal of Chemistry</i> , 2006 , 30, 1782-1789	3.6	19
25	Sterically hindered complexes of platinum(II) with planar heterocyclic nitrogen donors. A novel complex with 1-methyl-cytosine has a spectrum of activity different from cisplatin and is able of overcoming acquired cisplatin resistance. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 1849-57	4.2	33
24	Vibrational Study of Manganese Ammonium Dihydrogendiphosphate Hydrated Mn _{0.5} NH ₄ H ₂ P ₂ O ₇ · H ₂ O. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005 , 180, 545-553	1	6
23	Platinum Complexes with the Novel Ligand Diethyl [(Methylsulfinyl)-methyl]phosphonate (SMP): Solid-State Characterization of Potassium Trichloro(SMP)platinum(II) which, in Solution, Gives Dichloro(SMP)-platinum(II) and Potassium Chloride. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 1710-1715	2.3	9
22	Reaction of caesium 4-chlorophenate and chlorohydrins from threonines: synthesis of clofibrate analogues. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 783-792		7
21	Reinvestigation of NH ₄ [Co(H ₂ O) ₆]PO ₄ based on single-crystal data. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, i52-i54		3
20	Diammonium tris[hexaaquamagnesium(II)] tetrakis[hydrogenphosphate(III)], (NH ₄) ₂ [Mg(H ₂ O) ₆] ₃ (HPO ₃) ₄ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, i129-i131		3
19	Crystal structure and vibrational spectroscopy of the new acidic diphosphate (NH ₄) ₂ Zn(H ₂ P ₂ O ₇) ₂ · 2 H ₂ O. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005 , 220, 25-30	1	15
18	Inorganic Phosphates Investigation by Support Vector Machine. <i>Lecture Notes in Computer Science</i> , 2004 , 338-349	0.9	4
17	Two new ammonium diphosphates: crystal structure of Mn _{0.5} NH ₄ H ₂ P ₂ O ₇ · H ₂ O and MnNaNH ₄ P ₂ O ₇ · 3H ₂ O. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004 , 219, 93-98	1	17

16	Diastereo- and enantioselective bioreduction of ethyl 2-(4-chlorophenoxy)-3-oxobutanoate clofibrate analogues by <i>Kluyveromyces marxianus</i> and other whole cell biocatalysts. <i>Tetrahedron: Asymmetry</i> , 2004 , 15, 3511-3517		16
15	Structure and vibrational spectra of a new trihydrate diphosphate, $\text{MnNH}_4\text{NaP}_2\text{O}_7 \cdot 3\text{H}_2\text{O}$. <i>Journal of Raman Spectroscopy</i> , 2004 , 35, 41-46	2.3	14
14	Baker's yeast-mediated reduction of ethyl 2-(4-chlorophenoxy)-3-oxoalkanoates intermediates for potential PPAR ligands. <i>Tetrahedron: Asymmetry</i> , 2004 , 15, 3501-3510		20
13	Influence of steric and electronic factors in the stabilization of five-coordinate ethylene complexes of platinum(II): X-ray crystal structure of $[\text{PtCl}_2(2,9\text{-dimethyl-}1,10\text{-phenanthroline-}5,6\text{-dione})]$. <i>Inorganica Chimica Acta</i> , 2004 , 357, 149-158	2.7	33
12	Synthesis, X-ray crystal structure and dielectric measurements of a tetragonal tungsten bronze: $\text{Pb}_{0.75}\text{K}_{1.80}\text{Li}_{1.70}\text{Nb}_5\text{O}_{15}$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003 , 218, 26-31	1	9
11	Synthesis and crystal structure of diaquabis(diketohydrindene-diketohydrindamine)manganese(II). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003 , 218, 62-67	1	4
10	Vibrational spectra and thermal dehydration of $\text{Co}_2\text{P}_2\text{O}_7 \cdot 6\text{H}_2\text{O}$ diphosphate. <i>Vibrational Spectroscopy</i> , 2003 , 33, 189-196	2.1	24
9	Crystal structure and vibrational spectra of tetrasodium dimagnesium dihydrogen diphosphate octahydrate $\text{Na}_4\text{Mg}_2(\text{H}_2\text{P}_2\text{O}_7)_4 \cdot 8\text{H}_2\text{O}$. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 160-165	3.3	27
8	Synthesis, X-ray crystal structure and vibrational spectroscopy of the acidic pyrophosphate $\text{KMg}_{0.5}\text{H}_2\text{P}_2\text{O}_7 \cdot \text{H}_2\text{O}$. <i>Journal of Solid State Chemistry</i> , 2003 , 176, 27-32	3.3	28
7	Crystal structure of new hexahydrate dicobalt pyrophosphate $\text{Co}_2\text{P}_2\text{O}_7 \cdot 6\text{H}_2\text{O}$: comparison with $\text{Co}_2\text{P}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$, Mg and $\text{FeCo}_2\text{P}_2\text{O}_7$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003 , 218,	1	23
6	Direct methods and applications to electron crystallography. <i>Advances in Imaging and Electron Physics</i> , 2002 , 291-310	0.2	2
5	A new case of polymorphism in platinum(II) complexes: $[\text{PtBr}_2(2,9\text{-dimethyl-}1,10\text{-phenanthroline})]$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2002 , 217,	1	7
4	Determination of heavy metals in soils by Laser Induced Breakdown Spectroscopy. <i>Geoderma</i> , 2002 , 106, 45-62	6.7	141
3	On the relaxation of electron energy distribution function in LIBS plasmas. <i>Chemical Physics Letters</i> , 2000 , 316, 517-523	2.5	17
2	Non-equilibrium and equilibrium problems in laser-induced plasmas. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000 , 55, 559-574	3.1	117
1	A new carbon-rich ureilite from Morocco. <i>Rendiconti Lincei</i> , 1	1.7	