Faouzi Hlel

List of Publications by Citations

78 papers	1,287 citations	20 h-index	31 g-index
79 ext. papers	1,414 ext. citations	3.2 avg, IF	4.51 L-index

#	Paper	IF	Citations
78	Electrical study by impedance spectroscopy of the new compound [C12H17N2]2CdCl4. *Journal of Alloys and Compounds*, **2008**, 461, 495-500	5.7	77
77	Impedance and modulus analysis of the (Na0.6Ag0.4)2PbP2O7 compound. *Journal of Alloys and Compounds*, **2011**, 509, 6083-6089	5.7	66
76	AC conductivity analysis and dielectric relaxation behavior of [N(C3H7)4]2Cu2Cl6. *Journal of Alloys and Compounds*, **2010**, 492, 508-514	5.7	64
75	Dielectric relaxation and ionic conductivity studies of [N(CH3)4]2Cu0.5Zn0.5Cl4. *Journal of Alloys and Compounds*, **2008**, 463, 440-445	5.7	56
74	Structural, characterization and AC conductivity of bis-2-amino-6-picolinium tetrachloromercurate, (C6H9N2)2HgCl4. *Inorganica Chimica Acta*, **2013**, 406, 10-19	2.7	48
73	Ac electrical properties and dielectric relaxation of the new mixed crystal (Na0.8Ag0.2)2PbP2O7. *Journal of Alloys and Compounds*, **2009**, 486, 299-303	5.7	48
72	Dielectric and electric studies of the [N(CH3)4][N(C2H5)4]ZnCl4 compound at low temperature. *Materials Chemistry and Physics*, **2012**, 133, 1-7	4.4	45
71	Structural, optical and electrical properties of Zn-doped SnO2 nanoparticles synthesized by the co-precipitation technique. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 2066-2071	2.1	39
70	Vibrational study of [(CH3)4N]2Cu0.5Zn0.5Cl4. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2007**, 66, 1107-9	4.4	39
69	Conductivity and dielectric studies on (Na 0□4 Ag 0□6) 2 PbP 2 O 7 compound. *Bulletin of Materials Science*, **2011**, 34, 1069-1075	1.7	37
68	Structural characterization and AC conductivity of bis tetrapropylammonium hexachlorado-dicadmate, [N(C3H7)4]2Cd2Cl6. *Materials Research Bulletin*, **2010**, 45, 1754-1761	5.1	37
67	Infrared, polarized Raman and ab initio calculations of the vibrational spectra of [N(C3H7)4]2Cu2Cl6 crystals. *Vibrational Spectroscopy*, **2013**, 64, 10-20	2.1	32
66	Synthesis, crystal structure, thermal and dielectric properties of tetrapropylammonium tetrachloroantimonate(III). *Physica B: Condensed Matter*, **2014**, 441, 42-46	2.8	31
65	AC electrical properties and dielectric relaxation of [N(C3H7)4]2Cd2Cl6, single crystal. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2010**, 172, 24-32	3.1	30
64	Synthesis, crystal structure, thermal and dielectric properties of bis(2,4-diammonium toluene) decachlorodibismuthate(III) tetrahydrate [C7H12N2]2Bi2Cl10□4H2O. *Polyhedron*, **2014**, 79, 97-103	2.7	28
63	Synthesis, 13C NMR-MAS, AC conductivity and structural characterization of [C7H12N2]ZnCl4. *Journal of Alloys and Compounds*, **2010**, 503, 340-344	5.7	28
62	Electrical conductivity and dielectric analysis of AgNaZnP2O7 compound. *Journal of Alloys and Compounds*, **2009**, 485, 718-723	5.7	27

61	Synthesis, crystal structure, thermal analysis and dielectric properties of [(C4H9)4N]3Bi2Cl9 compound. *Journal of Solid State Chemistry*, **2015**, 227, 10-16	3.3	23
60	Temperature study of [N(C3H7)4]2Cd2Cl6 by thermal analysis, Raman scattering, and X-ray powder diffraction: Evidence of phase transitions. *Physica A: Statistical Mechanics and Its Applications*, **2011**, 390, 2987-2994	3.3	23
59	Synthesis, Calorimetric Study, Infrared Spectroscopy And Crystal Structure Investigation Of [Tetraethylammonium Tetramethylammonium Tetrachlorozincate(II)] [(C2h5)4N][(Ch3)4N]Zncl4. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2006**, 61, 1002-1006	1	22
58	Crystal chemistry and optical investigations of the Cu 2 Zn(Sn,Si)S 4 series for photovoltaic applications. *Journal of Solid State Chemistry*, **2014**, 220, 232-237	3.3	20
57	Impedance spectroscopy study of Pb2P2O7 compound. *Ionics*, **2011**, 17, 223-228	2.7	19
56	AC electrical properties study and equivalent circuit of a monovalent-mixed pyrophosphate. *Ionics*, **2010**, 16, 655-660	2.7	19
55	Structural and electrical properties of Cu2Zn(Sn1−xSix)S4 (x=0, x=0.5) materials for photovoltaic applications. *Journal of Alloys and Compounds*, **2015**, 620, 434-441	5.7	17
54	Synthesis, crystal structure, dielectric properties, and AC conductivity of tri-tetrapropylammonium dodeca chlorobismuthate(III). *Ionics*, **2014**, 20, 231-241	2.7	17
53	A theoretical study on the molecular structure and vibrational (FT-IR and Raman) spectra of a new organic–inorganic compound of 2[N(C3H7)4]SbCl4. *Vibrational Spectroscopy*, **2014**, 73, 116-126	2.1	17
52	Preparation and characterization of organic–inorganic hybrid compound [N(C4H9)4]2Cu2Cl6. *Ionics*, **2011**, 17, 91-98	2.7	17
51	Synthesis, Infra-red, Raman, NMR and structural characterization by X-ray Diffraction of [C12H17N2]2CdCl4 and [C6H10N2]2Cd3Cl10compounds. *PMC Physics B*, **2008**, 1,		17
50	Synthesis, crystal structure, thermal analysis, and electrical properties of bis tetrapropylammonium hexachloro-dizincate compound. *Ionics*, **2014**, 20, 221-230	2.7	16
49	A new one-dimensional hybrid material lattice: AC conductivity and structural characterization of [C7H12N2][CdCl4]. *Ionics*, **2011**, 17, 145-155	2.7	16
48	Crystal structure and electrical properties study of 4-aminopyridinium chloridobismuthate (III) (C5N2H7)4.HBi2Cl11. *Ionics*, **2010**, 16, 709-715	2.7	16
47	Temperature- and frequency-dependent dielectric properties of organic–inorganic hybrid compound: (C6H9N2)2(Hg0.75Cd0.25)Cl4. *Materials Research Bulletin*, **2015**, 62, 42-51	5.1	15
46	Polarized Raman study of [N(C3H7)4]2Cd2Cl6 single crystal. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2010**, 77, 457-60	4.4	15
45	Synthesis, crystal structure and dielectric properties of the new organic -inorganic hybrid compound [C6H10N2]7[Bi2Cl11]2.4[Cl]. *Journal of Molecular Structure*, **2018**, 1154, 516-523	3.4	14
44	Electrical properties, equivalent circuit and dielectric relaxation studies of [(C3H7)4N]3Bi3Cl12 compound. *Applied Physics A: Materials Science and Processing*, **2015**, 119, 673-680	2.6	13

43	NMR study and electrical properties investigation of Zn2P2O7. *Ionics*, **2010**, 16, 67-73	2.7	13
42	Synthesis, structural characterization and electrical conduction mechanism of the new organic–inorganic complex: ([(C3H7)4N]FeCl4). *Materials Research Bulletin*, **2019**, 118, 110505	5.1	12
41	Electrical properties of Cu 2 Zn(Sn 1− x Si x)S 4 (x = 0.1, x = 0.4) compounds for absorber materials in solar-cells. *Journal of Alloys and Compounds*, **2015**, 643, 129-136	5.7	12
40	Synthesis, crystal structure, phase transition and electrical conduction mechanism of the new [(C 3 H 7) 4 N] 2 MnCl 4 compound. *Physica E: Low-Dimensional Systems and Nanostructures*, **2016**, 83, 405-413	3	11
39	Phase transitions in the A2BX4-compound: Tetramethylammonium tetrachlorozincate tetrachlorocuprate, [(CH3)4N]2Zn0.5Cu0.5Cl4, and room temperature crystal structure determination. *Russian Journal of Inorganic Chemistry*, **2008**, 53, 785-793	1.5	11
38	Hirshfeld surface analysis, vibrational spectra, optical, DFT studies and biological activities of (C7H12N2)2[SnCl6]Cl2·1.5H2O compound. *Chemical Physics Letters*, **2019**, 722, 160-172	2.5	10
37	Analysis of the effects of thermal treatments on CaHPO4 by 31P NMR spectroscopy. *Journal of Alloys and Compounds*, **2005**, 394, 13-18	5.7	10
36	Synthesis, structural characterization and dielectric properties of (C6H9N2)2(Hg0.75Cd0.25)Cl4 compound. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 121, 632-40	4.4	9
35	Using Raman spectroscopy to understand the origin of the phase transitions observed in [(C6H9N2)2ZnCl4] compound. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 145, 223-234	4.4	9
34	Synthesis and crystal structure of bis (2-phenylethylammonium) dihydrogendimphosphate, [C6H5(CH2)2NH3]2H2P2O7. *Solid State Sciences*, **1999**, 1, 321-329	3.4	9
33	Impedance spectroscopic investigation on phase transition and electrical conduction mechanism of the new inorganic-organic complex: (C6H9N2)2HgCl4 (I), (C6H9N2)2(Hg0.75Cd0.25)Cl4 (II) and (C6H9N2)2(Hg0.12Zn0.88)Cl4 (III). *Journal of Alloys and Compounds*, **2016**, 684, 389-396	5.7	9
32	Structural characterization, thermal, ac conductivity and dielectric properties of (C7H12N2)2[SnCl6]Cl2·1.5H2O. *Phase Transitions*, **2016**, 89, 523-542	1.3	7
31	Raman study of order-disorder phase transition in [(C3H7)4N]3Bi3Cl12 compound. *Journal of Molecular Structure*, **2016**, 1106, 19-29	3.4	7
30	Electrical properties, equivalent circuit, and dielectric relaxation studies on [(C3H7)4N]2Cd2Cl6 polycrystalline. *Ionics*, **2011**, 17, 463-471	2.7	7
29	X-ray powder structure determination of Li6P6O18·8H2O. *European Journal of Solid State and Inorganic Chemistry*, **1998**, 35, 689-697		7
28	Structural, thermal analysis, and electrical conductivity of new organic-inorganic [(C4H9)4P]SbCl4 compound. *Ionics*, **2019**, 25, 1359-1371	2.7	6
27	Raman investigation of the order-disorder phase transitions in the 2[N(C3H7)4]SbCl4 compound. *Vibrational Spectroscopy*, **2015**, 81, 90-95	2.1	6
26	Optical, UV-Vis spectroscopy studies, electrical and dielectric properties of transition metal-based of the novel organic–inorganic hybrid (C6H10N2)(Hg2Cl5)2.3H2O. *Journal of Advanced Dielectrics*, **2019**, 09, 1950040	1.3	6

25	Co-precipitation synthesis and AC conductivity of Sn0.94Zn0.04O2 nanoparticles, using impedance spectroscopy. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 5241-5247	2.1	6
24	Synthesis, crystal structure, thermal and dielectric properties of tetrapropylammonium tetrabromozincate [N(C3H7)4]2[ZnBr4] compound. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	6
23	ELECTRICAL AND DIELECTRIC PROPERTIES OF C7H12N2[H2PO4]2 ? 1/2H2O. *Journal of Advanced Dielectrics*, **2012**, 02, 1230014	1.3	5
22	Dielectric spectroscopy study of the new compound [C12H17N2]2CdCl4. *Ionics*, **2010**, 16, 371-377	2.7	5
21	Investigation of organic condensed phoshates. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 1243-1253	1.5	5
20	(C6H9N2)2HgCl4 (I), (C6H9N2)2(Hg0.75Cd0.25)Cl4 (II) and (C6H9N2)2(Hg0.12Zn0.88)Cl4 (III) compounds: Syntheses, crystal structure and spectroscopic properties. *Synthetic Metals*, **2016**, 222, 372-382	3.6	5
19	Ionic organic-inorganic (C6H10N2) (Hg2Cl5)2□3H2O compound: Structural study, hirshfeld surface, thermal behavior and spectroscopic studies. *Journal of Molecular Structure*, **2019**, 1178, 201-211	3.4	5
18	Raman scattering and alternative current conduction mechanism of the high-temperature phase transition in [(C4H9)4N]3Bi2Cl9. *Journal of Raman Spectroscopy*, **2017**, 48, 1718-1724	2.3	4
17	Ferroelectric properties and Raman spectroscopy of the [(CH)N]BiCl compound.. *RSC Advances*, **2019**, 9, 24291-24298	3.7	4
16	Electrical properties and conductivity mechanism of LiCuFe2(VO4)3. *Ionics*, **2014**, 20, 1103-1110	2.7	4
15	Hydrothermal Synthesis and Characterization Properties of C7H12N2[H2PO4]2.1/2H2O. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2012**, 187, 1173-1182	1	4
14	Structural, morphological and electrical properties of Cu2ZnSn1-xSixS4 (x□ 0.8, x□ 1) for solar-cells applications. *Journal of Alloys and Compounds*, **2016**, 674, 73-81	5.7	3
13	Structural Characterization and Infrared and Electrical Properties of the New Inorganic-Organic Hybrid Compound. *Journal of Chemistry*, **2013**, 2013, 1-10	2.3	3
12	Correlation between 31P chemical shift tensor and local structure in lithium cyclohexaphosphates Li6P6O18 x 3H2O and Li6P6O18. *Solid State Nuclear Magnetic Resonance*, **2000**, 16, 291-304	3.1	3
11	Chemical preparation and crystal structure of 6?-butoxy-2,6-diamino-3,3?azo-dipyridine monohydrate. *Journal of Chemical Crystallography*, **1999**, 29, 667-670	0.5	3
10	Hydrothermal synthesis, characterization by single crystal XRD, structural discussion and electric, dielectrical properties of (C 6 H 9 N 2) 2 (Hg 0.12 Zn 0.88)Cl 4 hybrid compound. *Physica E: Low-Dimensional Systems and Nanostructures*, **2016**, 84, 498-504	3	2
9	Crystal structure, Hirshfeld surface analysis, Thermal study and Conduction mechanism of [(C4H9)4P]3Bi2Cl9 compound. *Applied Organometallic Chemistry*, **2019**, 33, e5078	3.1	2
8	IMPEDANCE SPECTROSCOPY STUDY OF BIS(2-AMINO-6-METHYLPYRIDINIUM) TETRACHLORIDOZINCATE. *Journal of Advanced Dielectrics*, **2012**, 02, 1250025	1.3	2

7	Characterization and Electrical Properties of [C6H9N2]2CuCl4 Compound **2012**, 2012, 1-8		2
6	Phase transitions in (C H N) [SnCl]Cl 1.5H O crystal, studied by NMR and infrared spectroscopy. *Magnetic Resonance in Chemistry*, **2019**, 57, 479-488	2.1	1
5	Synthesis, crystal structure, NMR study and AC conductivity of [(C3H7)4N]2Cd2ClF5 compound. *Applied Physics A: Materials Science and Processing*, **2015**, 120, 525-535	2.6	1
4	Synthesis, physical characterization, thermal studies, biological activities and DFT computations on the molecular structure and vibrational spectra of [C7H12N2]2Bi2Br10 4H2O compound. *Journal of Solid State Chemistry*, **2020**, 288, 121402	3.3	1
3	Ionic conduction mechanism and relaxation studies of NaNbAlP3O12 compound. *Ionics*, **2018**, 24, 181-188	2.7	1
2	Hirshfeld surface, RMN study, optical properties and dielectric behavior of tetrabutylphosphonium tetrachloroantimonate(III) hybrid. *Journal of the Iranian Chemical Society*, **2021**, 18, 2473-2482	2	1
1	The C6H4(NH3)2(NO3)2 assembly investigations: Crystal structure, optical properties and impedance spectroscopy, electrical relaxation with Ac conductivity studies. *Journal of Molecular Structure*, **2022**, 1253, 132193	3.4	