

Pedro Pereira Silva

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structure and NIR-luminescence of ytterbium(iii) beta-diketonate complexes with 5-nitro-1,10-phenanthroline ancillary ligand: assessment of chain length and fluorination impact. Dalton Transactions, 2013, 42, 13516.	1.6	38
2	Experimental and theoretical studies of the second- and third-order NLO properties of a semi-organic compound: 6-Aminoquinolinium iodide monohydrate. Chemical Physics, 2014, 428, 67-74.	0.9	35
3	First exposure to Arduino through peer-coaching: Impact on students' attitudes towards programming. Computers in Human Behavior, 2017, 76, 51-58.	5.1	32
4	Synthesis, characterization and supramolecular structure of three new Cu(II) and Ni(II) complexes with the potentially bidentate ligand 2-amino-6-methylpyrimidin-4(1H)-one (AMPO). Inorganica Chimica Acta, 2012, 388, 52-59.	1.2	27
5	Synthesis, bioassay, crystal structure and ab initio studies of Erlenmeyer azlactones. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 538-545.	2.0	27
6	Active layer solution-processed NIR-OLEDs based on ternary erbium(III) complexes with 1,1,1-trifluoro-2,4-pentanedione and different N,N-donors. Dalton Transactions, 2014, 43, 18087-18096.	1.6	27
7	Potent acetylcholinesterase inhibitors: Synthesis, biological assay and docking study of nitro acridone derivatives. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 304-311.	1.7	26
8	Crystal Structure and Experimental and Theoretical Studies of the Second-Order Nonlinear Optical Properties of Salts of Triphenylguanidine with Carboxylic Acids. Journal of Physical Chemistry A, 2010, 114, 2607-2617.	1.1	22
9	[Et ₃ NH][HSO ₄]-mediated functionalization of hippuric acid: an unprecedented approach to 4-arylidene-2-phenyl-5(4H)-oxazolones. RSC Advances, 2015, 5, 52330-52346.	1.7	22
10	An erbium(III)-based NIR emitter with a highly conjugated β^2 -diketonate for blue-region sensitization. Journal of Alloys and Compounds, 2015, 619, 553-559.	2.8	21
11	A facile & convenient route for the stereoselective synthesis of Z- isoxazol-5(4H)-ones derivatives catalysed by sodium acetate: Synthesis, multispectroscopic properties, crystal structure with DFT calculations, DNA-binding studies and molecular docking studies. Journal of Molecular Structure, 2020, 1200, 127067.	1.8	19
12	Amplification of the linear and nonlinear optical response of a chiral molecular crystal. Journal of Chemical Physics, 2012, 136, 134501.	1.2	18
13	Studying 3D collisions with smartphones. Physics Teacher, 2017, 55, 312-313.	0.2	18
14	Slow magnetic relaxation and photoluminescent properties of a highly coordinated erbium(iii) complex with dibenzoylmethane and 2,2'-bipyridine. New Journal of Chemistry, 2015, 39, 1703-1713.	1.4	17
15	Structure elucidation and DNA binding specificity of natural compounds from Cassia siamea leaves: A biophysical approach. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 218-228.	1.7	17
16	Solvent-free, [Et ₃ NH][HSO ₄] catalyzed facile synthesis of hydrazone derivatives. New Journal of Chemistry, 2015, 39, 469-481.	1.4	16
17	Structural evidence of polymorphism and conformational isomorphism of a somewhat flexible molecule: m-anisic acid. Journal of Thermal Analysis and Calorimetry, 2015, 120, 667-677.	2.0	14
18	Synthesis, structure, theoretical studies and luminescent properties of a ternary erbium(III) complex with acetylacetone and bathophenanthroline ligands. Journal of Luminescence, 2015, 162, 41-49.	1.5	14

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19	NLO properties of a triphenylguanidine salt: The importance of pseudo-symmetry. <i>Optical Materials</i> , 2018, 84, 606-613.	1.7	14
20	Slow magnetic relaxation mechanisms in erbium SIMs. <i>Dalton Transactions</i> , 2015, 44, 1264-1272.	1.6	13
21	Synthesis, crystal structure, physico-chemical characterization of a new hybrid material, (2-hydroxyethyl)piperazine-1,4-dium hexachlorostannate(IV) monohydrate. <i>Journal of Molecular Structure</i> , 2017, 1137, 553-561.	1.8	13
22	Experimental and ab-initio studies of the spectroscopic properties of N,N'-bis(2-hydroxyethyl)triphenylguanidine and N,N'-bis(2-hydroxyethyl)triphenylguanidinium chloride. <i>Journal of Molecular Structure</i> , 2008, 878, 169-176.	1.8	12
23	Two new phenolic compounds from <i>Ficus rumphii</i> and their antiproliferative activity. <i>Natural Product Research</i> , 2014, 28, 646-652.	1.0	12
24	Density functional and X-ray diffraction studies of bis(isocinchomeronic acid) trihydrated. <i>Journal of Molecular Structure</i> , 2007, 837, 58-62.	1.8	11
25	Acetylcholinesterase and Cytotoxic Activity of Chemical Constituents of <i>Clutia lanceolata</i> Leaves and its Molecular Docking Study. <i>Natural Products and Bioprospecting</i> , 2016, 6, 267-278.	2.0	11
26	Guanidinium benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2783-o2783.	0.2	10
27	Guanidinium 4-aminobenzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o524-o524.	0.2	10
28	Studying cooling curves with a smartphone. <i>Physics Teacher</i> , 2018, 56, 53-55.	0.2	10
29	N,N'-Diphenylguanidinium hydrogen (+)-L-tartrate monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1287-1290.	0.4	9
30	Structural and nonlinear optical studies of a salt with an octupolar chromophore: Guanidinium cyclopropanecarboxylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 172, 156-162.	2.0	9
31	Reprint of "First exposure to Arduino through peer-coaching: Impact on students' attitudes towards programming". <i>Computers in Human Behavior</i> , 2018, 80, 420-427.	5.1	9
32	On the Performance of Hybrid Functionals for Nonlinear Optical Properties and Electronic Excitations in Chiral Molecular Crystals: The Case of Butterfly-Shaped Dicinamalacetone. <i>ChemPhysChem</i> , 2018, 19, 82-92.	1.0	9
33	Facile Synthesis of Three Kobolds: Introducing Students to the Structure of Pigments and Their Characterization. <i>Journal of Chemical Education</i> , 2018, 95, 1340-1344.	1.1	9
34	Synthesis of Ninhydrin Derivatives and their Anticancer, Antimicrobial and Cholinesterase Enzymes Inhibitory Activities. <i>Letters in Drug Design and Discovery</i> , 2012, 9, 767-774.	0.4	9
35	N,N'-bis(2-hydroxyethyl)triphenylguanidinium nitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o3073-o3075.	0.2	8
36	Density functional and X-ray diffraction studies of two polymorphs of N,N'-bis(2-hydroxyethyl)triphenylguanidine. <i>Journal of Molecular Structure</i> , 2008, 888, 92-98.	1.8	8

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37	Synthesis, structural modelling and luminescence of a novel erbium(III) complex with 2,4-nonanedione and 2,2'-bipyridine ligands for chitosan matrices doping. <i>Optical Materials</i> , 2015, 41, 139-142.	1.7	8
38	Synthesis, crystal structure, magnetic properties and second harmonic generation of a new noncentrosymmetric coordination compound: Triaqua(4-amino-6-methoxypyrimidine) cuprate(II)sulfate. <i>Chinese Chemical Letters</i> , 2016, 27, 896-900.	4.8	8
39	Crystal structure, quantum mechanical investigation, IR and NMR spectroscopy of two new organic salts: (C ₈ H ₁₂ NO) ⁺ [NO ₃ ⁻] (I) and (C ₈ H ₁₄ N ₄) ⁺ [ClO ₄ ⁻] ₂ (II). <i>Journal of Molecular Structure</i> , 2018, 1161, 185-193.	1.8	8
40	N,N'-Diphenylguanidinium Nitrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998, 54, 805-808.	0.4	7
41	N,N',N''-Triphenylguanidinium trifluoroacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o501-o503.	0.2	7
42	Synthesis, structure and physicochemical characterization of the hybrid material [C ₆ H ₁₆ N ₂ O] ₂ SnCl ₆ ·2Cl·2H ₂ O. <i>Journal of Molecular Structure</i> , 2017, 1133, 253-263.	1.8	7
43	A hybrid perchlorate with a low band gap: Crystal structure, physicochemical characterization and Hirshfeld surfaces study. <i>Journal of Molecular Structure</i> , 2019, 1181, 300-304.	1.8	6
44	A new orthorhombic phase of N,N'-diphenylguanidine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1037-1040.	0.4	5
45	A Unusual Bridging Mode of Diphenylhydantoin in Pentaquabis[(5,5-Diphenylhydantoinato)Potassium]. <i>Journal of Chemical Crystallography</i> , 2009, 39, 669-671.	0.5	5
46	Crystal structure, ab initio calculations and fingerprint plots of a new polymorph of N,N',N''-triphenylbiuret. <i>Journal of Molecular Structure</i> , 2011, 995, 66-71.	1.8	5
47	X-ray analysis, molecular modeling and NIR-luminescence of erbium(III) 2,4-octanedionate complexes with N,N-donors. <i>Polyhedron</i> , 2014, 81, 485-492.	1.0	5
48	Experimental and Theoretical Studies on the Structure and Photoluminescent Properties of New Mononuclear and Homodinuclear Europium(III) Diketonate Complexes. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-11.	0.4	5
49	Structure elucidation, DNA binding specificity and antiproliferative proficiency of isolated compounds from <i>Garcinia nervosa</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 176-188.	1.7	5
50	N,N',N''-Triphenylguanidinium 5-nitro-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-1-ide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1082-o1083.	0.2	5
51	1,3-Diphenylguanidinium Trifluoroacetate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998, 54, 1484-1486.	0.4	4
52	N,N',N''-Triphenylguanidinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2524-o2526.	0.2	4
53	6,8-Diiodo-5,7-dimethoxy-4-methylcoumarin. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o988-o988.	0.2	4
54	A halogenated coumarin from <i>Ficus krishnae</i> . <i>Chemical Papers</i> , 2011, 65, .	1.0	4

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55	Isolation, Characterization, Bioassay and X-ray Crystallographic Study of Phytoconstituents from <i>Bixa orellana</i> Leaves. <i>Chemistry of Natural Compounds</i> , 2015, 51, 62-66.	0.2	4
56	Crystal structures and non-linear optics of several types of bimetallic assemblies comprising chiral Cu(II) complexes. <i>Polyhedron</i> , 2015, 102, 297-307.	1.0	4
57	The "spinning disk touches stationary disk"™ problem revisited: an experimental approach. <i>European Journal of Physics</i> , 2018, 39, 045709.	0.3	4
58	N,N'-Triphenylguanidinium hydrogensulfate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2243-o2245.	0.2	3
59	Bis(triphenylguanidinium) tetrachloridocuprate(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1083-m1083.	0.2	3
60	Bis(2-amino-6-methylpyrimidin-1-ium-4-olate-1 ^o 2N3,O)bis(nitrato-1 ^o 2O,O ^o)cadmium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m617-m617.	0.2	3
61	Luminescent Properties of [UO ₂ (TFA) ₂ (DMSO) ₃], a Promising Material for Sensing and Monitoring the Uranyl Ion. <i>Materials Research</i> , 2016, 19, 328-332.	0.6	3
62	Synthesis, structure and magnetic properties of mono-, dinuclear and polymeric compounds of transition metals with 4-amino-3,5-di-2-pyridyl-4H-1,2,4-triazole. <i>Journal of Molecular Structure</i> , 2016, 1108, 278-287.	1.8	3
63	Synthesis and Characterization of Benzothiophene-3-carbonitrile Derivative and Its Interactions with Human Serum Albumin (HSA). <i>ChemistrySelect</i> , 2019, 4, 11979-11986.	0.7	3
64	N,N'-Diphenylguanidinium 8-hydroxyquinoline-5-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o5913-o5915.	0.2	2
65	Bis[2-amino-6-methylpyrimidin-4(1H)-one-1 ^o 2N3,O]dichloridocadmium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m1225-m1225.	0.2	2
66	Supramolecular structure, IR spectroscopic and magnetic studies of a novel copper (II) complex ([Cu(phen)] ₂ (H ₂ PO ₄) ₂ (HPO ₄) ₂ (H ₃ PO ₄) ₄). <i>Journal of Structural Chemistry</i> , 2015, 56, 1555-1562.	0.3	2
67	BYOD for Physics Lab. , 2017, , .		2
68	Structural and Magnetic Properties of [Mn ₃ (C ₂ H ₃ O ₂) ₆ (H ₂ O) ₄]·2(C ₂ H ₅ NO ₂)·2(H ₂ O). <i>Zeitschrift Fur Physikalische Chemie</i> , 2006, 220, 885-892.	1.4	1
69	N,N'-Diphenylguanidinium phthalate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1067-o1069.	0.2	1
70	7,7'-Dihydroxy-4,4'-dimethyl-3,4-dihydro-2H,2'-H-4,6'-bichromene-2,2'-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o201-o201.	0.2	1
71	Monoclinic polymorph of 2-(pyrimidin-2-ylsulfanyl)acetic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o340-o340.	0.2	1
72	8-Iodo-5,7-dimethoxy-4-methyl-2H-chromen-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o776-o776.	0.2	1

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73	3-(Ammoniomethyl)pyridinium bis(perchlorate). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o843-o843.	0.2	1
74	A novel 6-hydroxy-8,11,11-trimethyl-bicyclo[7.2.0]undec-4-ene-4-carboxylic acid: a potent antioxidant agent from <i>Ipheionia scabra</i> . Journal of Asian Natural Products Research, 2014, 16, 406-411.	0.7	1
75	Structural, magnetic and optical properties of two concomitant molecular crystals. Solid State Sciences, 2016, 53, 37-43.	1.5	1
76	l-Histidinium thiocyanurate: Experimental and theoretical studies of a new nonlinear optical material. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 172, 168-173.	2.0	1
77	Silica bonded N-(propylcarbamoyl)sulfamic acid (SBPCSA) as a highly efficient and recyclable solid catalyst for the synthesis of Benzylidene Acrylate derivatives: Docking and reverse docking integrated approach of network pharmacology. Biophysical Chemistry, 2020, 266, 106443.	1.5	1
78	A new polymorph of 5-nitouracil monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1091-o1091.	0.2	1
79	Powder diffraction data for N,N'-diphenylguanidinium nitrate at room and low temperatures. Powder Diffraction, 2006, 21, 241-244.	0.4	0
80	Synthesis, Crystal Structure and ab initio Studies of Cyclohexyl N-Phenylcarbamate. Journal of Chemical Crystallography, 2010, 40, 1150-1154.	0.5	0
81	Synthesis, Crystal Structure, Ab Initio Studies and Fingerprint Plots of 2-Chloro-1,3-dioxo-2,3-dihydro-1H-inden-2-yl acetate. Journal of Chemical Crystallography, 2011, 41, 1688-1693.	0.5	0
82	Synthesis, Crystal Structure and ab Initio Studies of 5-Phenylamino-3-phenylimino-3H[1,2]dithiole-4-carboxylic acid ethyl ester. Journal of Chemical Crystallography, 2011, 41, 1889-1893.	0.5	0
83	Poly[piperazine-1,4-dium $\left[\frac{1}{4}\right]$ -chlorido- $\left[\frac{1}{4}\right]$ -chlorido-tri- $\left[\frac{1}{4}\right]$ -2-chlorido-chloridodicadmate(II)] monohydrate]. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m175-m175.	0.2	0
84	Redetermination of ethyl (3a-cis)-3a,8b-dihydroxy-2-methyl-4-oxo-3a,8b-dihydro-4H-indeno[1,2-b]furan-3-carboxylate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2616-o2616.	0.2	0