

Lucia Maini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2731538/publications.pdf>

Version: 2024-02-01

116
papers

7,073
citations

76294

40
h-index

58549

82
g-index

132
all docs

132
docs citations

132
times ranked

6943
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovering Crystal Forms of the Novel Molecular Semiconductor OEG-BTBT. <i>Crystal Growth and Design</i> , 2022, 22, 1680-1690.	1.4	6
2	Thorough investigation on the high-temperature polymorphism of dipentyl-perylenediimide: thermal expansion vs. polymorphic transition. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8089-8100.	2.7	6
3	Novel Cu(I)-5-nitropyridine-2-thiol Cluster with NIR Emission: Structural and Photophysical Characterization. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10190-10198.	1.5	4
4	Exploring the ancient chemistry of mercury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	8
5	Structural Insights into the Vapochromic Behavior of Pt- and Pd-Based Compounds. <i>Inorganic Chemistry</i> , 2021, 60, 6349-6366.	1.9	13
6	Direct derivation of the crystalline fraction of highly potent active pharmaceutical ingredients by X-ray powder diffraction. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 159, 105692.	1.9	0
7	Structure-Mechanical Relationships in Polymorphs of an Organic Semiconductor (C4-NT3N). <i>Crystal Growth and Design</i> , 2020, 20, 884-891.	1.4	13
8	Multifunctional coordination polymers based on copper and mercaptonicotinic ligands: synthesis, and structural, optical and electrical characterization. <i>Dalton Transactions</i> , 2020, 49, 10545-10553.	1.6	12
9	European Research in Focus: Mechanochemistry for Sustainable Industry (COST Action) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	1.2	44
10	Mechanochemistry, an Easy Technique to Boost the Synthesis of CuI Pyrazine Coordination Polymers. <i>Crystal Growth and Design</i> , 2019, 19, 4395-4403.	1.4	11
11	Crystal growth and spectroscopic studies of new ammonium potassium zinc sulfate hexahydrate single crystal. <i>Vibrational Spectroscopy</i> , 2019, 104, 102942.	1.2	4
12	Thermodynamically versus Kinetically Controlled Self-Assembly of a Naphthalenediimide-Thiophene Derivative: From Crystalline, Fluorescent, n-Type Semiconducting 1D Needles to Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16864-16871.	4.0	17
13	One Molecule, Four Colors: Discovering the Polymorphs of a Thieno(bis)imide Oligomer. <i>Crystal Growth and Design</i> , 2019, 19, 2594-2603.	1.4	6
14	Quantifying API polymorphs in formulations using X-ray powder diffraction and multivariate standard addition method combined with net analyte signal analysis. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 130, 36-43.	1.9	11
15	Tuning polymorphism in 2,3-thienoimide capped oligothiophene based field-effect transistors by implementing vacuum and solution deposition methods. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5601-5608.	2.7	21
16	A synergic approach of X-ray powder diffraction and Raman spectroscopy for crystal structure determination of 2,3-thienoimide capped oligothiophenes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3630-3636.	1.3	10
17	Crystal Forms of Enzalutamide and a Crystal Engineering Route to Drug Purification. <i>Crystal Growth and Design</i> , 2018, 18, 3774-3780.	1.4	13
18	From Solid-State Structure and Dynamics to Crystal Engineering. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3597-3605.	1.0	29

#	ARTICLE	IF	CITATIONS
19	Structural Investigation of Poly(ethylene furanoate) Polymorphs. <i>Polymers</i> , 2018, 10, 296.	2.0	49
20	Anhydrous ionic co-crystals of cyanuric acid with LiCl and NaCl. <i>CrystEngComm</i> , 2017, 19, 1366-1369.	1.3	25
21	Making crystals with a purpose; a journey in crystal engineering at the University of Bologna. <i>IUCr</i> , 2017, 4, 369-379.	1.0	40
22	White luminescence achieved by a multiple thermochromic emission in a hybrid organic-inorganic compound based on 3-picolyamine and copper iodide. <i>Dalton Transactions</i> , 2016, 45, 17939-17947.	1.6	37
23	From isomorphous to anisomorphous ionic co-crystals of barbituric acid upon dehydration and return. <i>CrystEngComm</i> , 2016, 18, 4651-4657.	1.3	3
24	Crystal forms of the hydrogen oxalate salt of o-desmethylvenlafaxine. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 823-829.	1.2	4
25	Dual luminescence in solid CuI(piperazine): hypothesis of an emissive 1-D delocalized excited state. <i>Dalton Transactions</i> , 2015, 44, 13003-13006.	1.6	24
26	Using Salt Cocrystals to Improve the Solubility of Niclosamide. <i>Crystal Growth and Design</i> , 2015, 15, 1939-1948.	1.4	58
27	Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. <i>Chemical Communications</i> , 2015, 51, 2033-2035.	2.2	25
28	Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 121-131.	2.7	16
29	Mechanochemical preparation of copper iodide clusters of interest for luminescent devices. <i>Faraday Discussions</i> , 2014, 170, 93-107.	1.6	39
30	Phosphorescence quantum yield enhanced by intermolecular hydrogen bonds in Cu ₄ I ₄ clusters in the solid state. <i>Dalton Transactions</i> , 2014, 43, 9448.	1.6	35
31	Structure-property relationships in multifunctional thieno(bis)imide-based semiconductors with different sized and shaped N-alkyl ends. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3448.	2.7	30
32	Crystal Structure and Physicochemical Characterization of Ambazone Monohydrate, Anhydrous, and Acetate Salt Solvate. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3594-3601.	1.6	5
33	Crystal form selectivity by humidity control: the case of the ionic co-crystals of nicotinamide and CaCl ₂ . <i>CrystEngComm</i> , 2014, 16, 7452-7458.	1.3	6
34	From molecular crystals to salt co-crystals of barbituric acid via the carbonate ion and an improvement of the solid state properties. <i>CrystEngComm</i> , 2013, 15, 7598.	1.3	31
35	Tuning the colour and efficiency in OLEDs by using amorphous or polycrystalline emitting layers. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1823.	2.7	30
36	Mechanochemical preparation of co-crystals. <i>Chemical Society Reviews</i> , 2013, 42, 7638.	18.7	392

#	ARTICLE	IF	CITATIONS
37	Switch On/Switch Off Signal in an MOF-Guest Crystalline Device. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4459-4465.	1.0	24
38	Targeting ordered oligothiophene fibers with enhanced functional properties by interplay of self-assembly and wet lithography. <i>Journal of Materials Chemistry</i> , 2012, 22, 20852.	6.7	25
39	Polymorph and isomer conversion of complexes based on CuI and PPh ₃ easily observed via luminescence. <i>Dalton Transactions</i> , 2012, 41, 531-539.	1.6	105
40	Combining piracetam and lithium salts: ionic co-crystals and co-drugs?. <i>Chemical Communications</i> , 2012, 48, 8219.	2.2	65
41	Structure determination of novel ionic co-crystals from powder data: the use of rigid fragments in simulated annealing algorithms. <i>CrystEngComm</i> , 2012, 14, 3521.	1.3	21
42	Mechanochemistry: opportunities for new and cleaner synthesis. <i>Chemical Society Reviews</i> , 2012, 41, 413-447.	18.7	2,281
43	A novel 2D non-interpenetrated copper(I) iodide coordination polymer with trans-1,4-diaminocyclohexane. <i>Inorganica Chimica Acta</i> , 2012, 382, 162-166.	1.2	8
44	Ionic Co-crystals of Organic Molecules with Metal Halides: A New Prospect in the Solid Formulation of Active Pharmaceutical Ingredients. <i>Crystal Growth and Design</i> , 2011, 11, 5621-5627.	1.4	91
45	Solid-state reactivity of copper(I) iodide: luminescent 2D-coordination polymers of CuI with saturated bidentate nitrogen bases. <i>New Journal of Chemistry</i> , 2011, 35, 339-344.	1.4	72
46	Dealing with Crystal Forms (The Kingdom of Serendip?). <i>Chemistry - an Asian Journal</i> , 2011, 6, 2214-2223.	1.7	32
47	The Thermodynamically Stable Form of Solid Barbituric Acid: The Enol Tautomer. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7924-7926.	7.2	81
48	The growing world of crystal forms. <i>Chemical Communications</i> , 2010, 46, 6232.	2.2	148
49	Reversible Interconversion between Luminescent Isomeric Metal-Organic Frameworks of [Cu ₄ I ₄ (DABCO) ₂] (DABCO=1,4-diazabicyclo[2.2.2]octane). <i>Chemistry - A European Journal</i> , 2010, 16, 1553-1559.	1.7	125
50	The Richest Collection of Tautomeric Polymorphs: The Case of Thiobarbituric Acid. <i>Chemistry - A European Journal</i> , 2010, 16, 4347-4358.	1.7	118
51	Solvent-free preparation of co-crystals of phenazine and acridine with vanillin. <i>Thermochimica Acta</i> , 2010, 507-508, 1-8.	1.2	42
52	From unexpected reactions to a new family of ionic co-crystals: the case of barbituric acid with alkali bromides and caesium iodide. <i>Chemical Communications</i> , 2010, 46, 7715.	2.2	159
53	Hetero-Seeding and Solid Mixture to Obtain New Crystalline Forms. <i>Chemistry - A European Journal</i> , 2009, 15, 1508-1515.	1.7	39
54	Crystal Polymorphism and Multiple Crystal Forms. <i>Structure and Bonding</i> , 2009, , 87-95.	1.0	14

#	ARTICLE	IF	CITATIONS
55	Crystal Polymorphism and Multiple Crystal Forms. <i>Structure and Bonding</i> , 2009, , 25-50.	1.0	71
56	Polymorphic gabapentin: thermal behaviour, reactivity and interconversion of forms in solution and solid-state. <i>New Journal of Chemistry</i> , 2008, 32, 1788.	1.4	47
57	Simple and quantitative mechanochemical preparation of the first zinc and copper complexes of the neuroleptic drug gabapentin. <i>CrystEngComm</i> , 2008, 10, 469.	1.3	75
58	The crystal structures of chloro and methyl ortho-benzoic acids and their co-crystal: rationalizing similarities and differences. <i>CrystEngComm</i> , 2008, 10, 1848.	1.3	48
59	Organometallic Crystal Engineering. , 2007, , 555-588.		1
60	Polymorphism in Crystalline Cinchomeric Acid. <i>Chemistry - A European Journal</i> , 2007, 13, 1222-1230.	1.7	31
61	The synthesis of palladacyclopentadienyl derivatives from rigid bis-alkynes and their use as precursors in the synthesis of fluoroanthene-like cycles under mild conditions. A reactivity investigation. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2342-2345.	0.8	12
62	Solid-gas reactions between 1,3-dimethylbarbituric acid and amines. A structural and spectroscopic study. <i>New Journal of Chemistry</i> , 2007, 31, 1935.	1.4	10
63	Mechanical mixing of molecular crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 115-123.	2.0	25
64	Gas-solid reactions between the different polymorphic modifications of barbituric acid and amines. <i>CrystEngComm</i> , 2006, 8, 756-763.	1.3	36
65	Design, synthesis, characterization and utilization of hydrogen bonded networks based on functionalized organometallic sandwich compounds and the occurrence of crystal polymorphism. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1267-1285.	9.5	75
66	Mechanochemical preparation of molecular and supramolecular organometallic materials and coordination networks. <i>Dalton Transactions</i> , 2006, , 1249.	1.6	266
67	Molecular mechanics-assisted crystal engineering of solid state photoreactions: application to the Yang photocyclization of \pm -1-norbornylacetophenone derivatives. <i>Tetrahedron Letters</i> , 2005, 46, 1141-1144.	0.7	9
68	Hydrogen Bonding and Dynamic Behaviour in Crystals and Polymorphs of Dicarboxylic-Diamine Adducts: A Comparison between NMR Parameters and X-ray Diffraction Studies. <i>Chemistry - A European Journal</i> , 2005, 11, 7461-7471.	1.7	52
69	¹ H MAS, ¹⁵ N CPMAS, and DFT Investigation of Hydrogen-Bonded Supramolecular Adducts between the Diamine 1,4-Diazabicyclo-[2.2.2]octane and Dicarboxylic Acids of Variable Chain Length. <i>Chemistry of Materials</i> , 2005, 17, 1457-1466.	3.2	60
70	Hydrogen Bonding Interactions Between Ions: A Powerful Tool in Molecular Crystal Engineering. <i>ChemInform</i> , 2004, 35, no.	0.1	2
71	Supramolecular Complexation of Alkali Cations through Mechanochemical Reactions between Crystalline Solids. <i>Chemistry - A European Journal</i> , 2004, 10, 3261-3269.	1.7	52
72	Transition from a charge-opposed(+)N-H \cdots N(+)inter-cation hydrogen bonded form of the salt [HN(CH ₂ CH ₂) ₃ N][OOC(HC \equiv CH)COOH] to the more traditional charge-assisted(+)N-H \cdots O(=)cation-anion hydrogen bonded pseudo-polymorph upon hydration. <i>CrystEngComm</i> , 2004, 6, 236-238.	1.3	22

#	ARTICLE	IF	CITATIONS
73	Crystal synthesis of hybrid organometallic–inorganic hydrogen bonded salts of acid oxoanions. Dalton Transactions, 2004, , 2432-2437.	1.6	6
74	Solid-state versus solution preparation of two crystal forms of [HN(CH ₂ CH ₂) ₃ NH][OOC(CH ₂)COOH] ₂ . Polymorphs or hydrogen bond isomers?. Chemical Communications, 2004, , 976.	2.2	23
75	1,4-Hydroxybiradical Behavior Revealed through Crystal Structure–Solid-State Reactivity Correlations. Journal of the American Chemical Society, 2004, 126, 3511-3520.	6.6	34
76	Study of the Regioselectivity and Diastereoselectivity in the Addition of 3-Substituted-2-propenylmetal Reagents to N,N-dimethyl-1(S)-phenylethyl]ethanediamine.. ChemInform, 2003, 34, no.	0.1	0
77	Mechanochemical Preparation of Hydrogen-Bonded Adducts Between the Diamine 1,4-Diazabicyclo[2.2.2]octane and Dicarboxylic Acids of Variable Chain Length: An X-ray Diffraction and Solid-State NMR Study. Chemistry - A European Journal, 2003, 9, 5538-5548.	1.7	101
78	Assembly of Hybrid Organic–Organometallic Materials through Mechanochemical Acid–Base Reactions. Chemistry - A European Journal, 2003, 9, 4362-4370.	1.7	69
79	Design of hydrogen bonded networks based on organometallic sandwich compounds. Coordination Chemistry Reviews, 2003, 246, 53-71.	9.5	112
80	The reaction of the organometallic acid [(η -5-C ₅ H ₄ COOH) ₂ CoIII] ⁺ with HBr and HI. Preparation and characterisation of [(η -5-C ₅ H ₄ COOH) ₂ CoIII]Br and [(η -5-C ₅ H ₄ COOH) ₂ CoIII]I and hydrogen bridges between cations. Journal of Molecular Structure, 2003, 647, 113-119.	1.8	0
81	Chloride-Modulated Insertion Reactions of Dimethylallene across the Pd–C Bond in Palladium Methyl Complexes Bearing Potentially Tridentate Pyridylthioether Ligands. Organometallics, 2003, 22, 3230-3238.	1.1	28
82	Reversible gas–solid reactions between the organometallic zwitterion [CoIII(η -5-C ₅ H ₄ COOH)(η -5-C ₅ H ₄ COO)] and vapours of difluoro- and chloro-acetic acids. CrystEngComm, 2003, 5, 154-158.	1.3	19
83	Mechanistic studies of heterophase protonation and deprotonation reactions of solid [CoIII(η -5-C ₅ H ₄ COOH)(η -5-C ₅ H ₄ COO)] using supermicroscopy. CrystEngComm, 2003, 5, 474-479.	1.3	10
84	Reversible Gas–Solid Reactions between the Organometallic Zwitterion [(η -5-C ₅ H ₄ COOH)(η -5-C ₅ H ₄ COO)CoIII] and Vapors of Trifluoroacetic and Tetrafluoroboric Acids. Organometallics, 2002, 21, 1315-1318.	1.1	44
85	Unexpected solid–solid reaction upon preparation of KBr pellets and its exploitation in supramolecular cation complexation. Chemical Communications, 2002, , 2302-2303.	2.2	45
86	The hydrogen oxalate anion allows one-dimensional columnar aggregation of organometallic sandwich cations. New Journal of Chemistry, 2002, 26, 1280-1286.	1.4	19
87	Mechanochemical assembly of hydrogen bonded organic-organometallic solid compounds. Chemical Communications, 2002, , 2960-2961.	2.2	56
88	Supramolecular gas–solid reaction between formic acid vapours and solid [CoIII(η -5-C ₅ H ₄ COOH)(η -5-C ₅ H ₄ COO)]. Chemical Communications, 2002, , 2296-2297.	2.2	27
89	The mechanism of olefin exchange in platinum(0) pyridyl–methanimine and pyridyl–thioether complexes. A kinetic study. Dalton Transactions RSC, 2002, , 3696-3704.	2.3	19
90	Two concomitant polymorphs and two isomorphous forms with different chemical compositions, which transform into the same substance upon thermal treatment. CrystEngComm, 2002, 4, 277-281.	1.3	12

#	ARTICLE	IF	CITATIONS
109	Supramolecular co-ordination networks constructed via pi-stacking interactions and charge-assisted hydrogen bonds. <i>CrystEngComm</i> , 1999, 1, 15.	1.3	16
110	Phthalic acid, a versatile building block in organic-organometallic crystal engineering. <i>New Journal of Chemistry</i> , 1999, 23, 17-24.	1.4	20
111	Organometallic crystal engineering with multidentate building blocks and template guest size effect. Supra-anionic organic frameworks obtained from cyclobutane-1,2,3,4-tetracarboxylic and trans-acotinic acids. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 2611-2618.	1.1	26
112	Hydrogen Bonds within an Ionic Environment: The Remarkable Behavior of the Zwitterion [CoIII(μ -5-C5H4COOH)(μ -5-C5H4COO)]. <i>Organometallics</i> , 1999, 18, 2577-2579.	1.1	32
113	Crystal Engineering of Organometallic Compounds through Cooperative Strong and Weak Hydrogen Bonds: A Simple Route to Mixed-Metal Systems. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2240-2242.	7.2	71
114	Crystal Engineering with Ferrocene Compounds. , 0, , 465-498.		4
115	Rubbing induced reversible fluorescence switching in thiophene-based organic semiconductor films by mechanical amorphisation. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	5
116	On the crystal forms of NDI-C6: annealing and deposition procedures to access elusive polymorphs. <i>Faraday Discussions</i> , 0, 235, 490-507.	1.6	2