

# Linda Pastero

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6919037/linda-pastero-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

61  
papers

1,100  
citations

18  
h-index

31  
g-index

75  
ext. papers

1,266  
ext. citations

3.5  
avg, IF

4.2  
L-index

#	Paper	IF	Citations
61	Cyclodextrin-based nanosponges encapsulating camptothecin: physicochemical characterization, stability and cytotoxicity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2010</b> , 74, 193-201	5.7	203
60	Encapsulation of Acyclovir in new carboxylated cyclodextrin-based nanosponges improves the agent's antiviral efficacy. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 443, 262-72	6.5	113
59	Three study cases of growth morphology in minerals: Halite, calcite and gypsum. <i>Progress in Crystal Growth and Characterization of Materials</i> , <b>2016</b> , 62, 227-251	3.5	59
58	Morphology of Calcite (CaCO <sub>3</sub> ) Crystals Growing from Aqueous Solutions in the Presence of Li <sup>+</sup> Ions. Surface Behavior of the {0001} Form. <i>Crystal Growth and Design</i> , <b>2004</b> , 4, 485-490	3.5	56
57	Revisiting the paradigm of silica pathogenicity with synthetic quartz crystals: the role of crystallinity and surface disorder. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 32	8.4	49
56	New Estimates of the Free Energy of Calcite/Water Interfaces for Evaluating the Equilibrium Shape and Nucleation Mechanisms. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 1170-1179	3.5	43
55	Structures and Surface Energies of (100) and Octopolar (111) Faces of Halite (NaCl): an Ab initio Quantum-Mechanical and Thermodynamical Study. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2163-2170	3.5	42
54	{100} and {111} forms of the NaCl crystals coexisting in growth from pure aqueous solution. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 399-403	1.6	31
53	Selective Adsorption/Absorption of Formamide in NaCl Crystals Growing from Solution. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2306-2314	3.5	30
52	Theoretical surface morphology of {011 $\bar{2}$ } acute rhombohedron of calcite. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 706-715	1.6	27
51	The competition between {101 4} cleavage and {011 2} steep rhombohedra in gel grown calcite crystals. <i>Journal of Crystal Growth</i> , <b>2003</b> , 247, 472-482	1.6	25
50	Hollow rhombohedral calcite crystals encompassing CO <sub>2</sub> microcavities nucleated in solution. <i>Journal of Crystal Growth</i> , <b>2003</b> , 247, 516-522	1.6	25
49	Experimental and Theoretical Morphology of Single and Twinned Crystals of Li <sub>2</sub> CO <sub>3</sub> (Zabuyelite). <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 2749-2755	3.5	24
48	CaCO <sub>3</sub> (Calcite)/Li <sub>2</sub> CO <sub>3</sub> (Zabuyelite) Anomalous Mixed Crystals. Sector Zoning and Growth Mechanisms. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3451-3460	3.5	22
47	Low Symmetry Polymorph of Hydroxyapatite. Theoretical Equilibrium Morphology of the Monoclinic Ca <sub>5</sub> (OH)(PO <sub>4</sub> ) <sub>3</sub> . <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2846-2852	3.5	21
46	Comparison of inorganic constituents in bottom and fly residues from pelletised wood pyro-gasification. <i>Fuel</i> , <b>2014</b> , 119, 157-162	7.1	21
45	2D epitaxy of lithium carbonate inducing growth mechanism transitions on {0 0 0 1}-K and {011 $\bar{2}$ }-S forms of calcite crystals. <i>Journal of Crystal Growth</i> , <b>2005</b> , 275, e1625-e1630	1.6	21

44	Single and Twinned Li <sub>2</sub> CO <sub>3</sub> Crystals (Zabuyelite) Epitaxially Grown on {0001} and {101 4} Forms of CaCO <sub>3</sub> (Calcite) Crystals. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2041-2046	3.5	19
43	Cyclic nigerosyl-1,6-nigerose-based nanosponges: An innovative pH and time-controlled nanocarrier for improving cancer treatment. <i>Carbohydrate Polymers</i> , <b>2018</b> , 194, 111-121	10.3	17
42	AlPO <sub>4</sub> -5 zeolite at high pressure: Crystal-fluid interaction and elastic behavior. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 228, 158-167	5.3	17
41	Effect of alkylcarbonates of gamma-cyclodextrins with different chain lengths on drug complexation and release characteristics. <i>International Journal of Pharmaceutics</i> , <b>2007</b> , 339, 197-204	6.5	14
40	Microwave-Assisted Synthesis and Physicochemical Characterization of Tetrafuranylporphyrin-Grafted Reduced-Graphene Oxide. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1608-1613	4.8	14
39	Effects of particle size on properties and thermal inertization of bottom ashes (MSW of Turin's incinerator). <i>Waste Management</i> , <b>2019</b> , 84, 340-354	8.6	14
38	Anomalous mixed crystals: a peculiar case of adsorption/absorption. <i>Crystal Research and Technology</i> , <b>2013</b> , 48, 819-839	1.3	13
37	Twin Laws and Energy in Monoclinic Hydroxyapatite, Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> (OH). <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 411-418	3.5	12
36	Face-by-face growth of sucrose crystals from aqueous solutions in the presence of raffinose. I. Experiments and kinetic-adsorption model. <i>Journal of Crystal Growth</i> , <b>2006</b> , 292, 92-103	1.6	12
35	Thermal expansion and cation partitioning of MnFe <sub>2</sub> O <sub>4</sub> (Jacobsite) from 1.6 to 1276 K studied by using neutron powder diffraction. <i>Solid State Communications</i> , <b>2015</b> , 201, 15-19	1.6	10
34	Polymorphic/polytypic transition induced in crystals by interaction of spirals and 2D growth mechanisms. <i>Journal of Crystal Growth</i> , <b>2003</b> , 247, 541-550	1.6	10
33	Growth kinetics, adsorption and morphology of sucrose crystals from aqueous solutions in the presence of raffinose. <i>Crystal Research and Technology</i> , <b>2005</b> , 40, 1087-1093	1.3	10
32	CO capture and sequestration in stable Ca-oxalate, via Ca-ascorbate promoted green reaction. <i>Science of the Total Environment</i> , <b>2019</b> , 666, 1232-1244	10.2	9
31	Computational Approach to the Study of Epitaxy: Natural Occurrence in Diamond/Forsterite and Aragonite/Zabuyelite. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2979-2987	3.5	9
30	About the Genetic Mechanisms of Apatites: A Survey on the Methodological Approaches. <i>Minerals (Basel, Switzerland)</i> , <b>2017</b> , 7, 139	2.4	9
29	Bi-2212 and Y123 highly curved single-crystal-like objects: whiskers, bows and ring-like structures. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 105003	3.1	9
28	Monetite-Assisted Growth of Micrometric Ca-Hydroxyapatite Crystals from Mild Hydrothermal Conditions. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 852-860	3.5	8
27	Synthesis of Quartz with Controlled Properties for the Investigation of the Molecular Determinants in Silica Toxicology. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 2394-2403	3.5	8

26	Habit Change of Monoclinic Hydroxyapatite Crystals Growing from Aqueous Solution in the Presence of Citrate Ions: The Role of 2D Epitaxy. <i>Crystals</i> , <b>2018</b> , 8, 308	2.3	8
25	Digestion Procedures for the Elemental Analysis of Wood by Inductively Coupled Plasma Optical Emission Spectrometry. <i>Analytical Letters</i> , <b>2016</b> , 49, 1722-1733	2.2	7
24	Face-by-face growth of sucrose crystals from aqueous solutions in the presence of raffinoseII: Growth morphology and segregation. <i>Journal of Crystal Growth</i> , <b>2007</b> , 308, 141-150	1.6	7
23	Morphology Change of Nitratine (NaNO <sub>3</sub> ) from Aqueous Solution, in the Presence of Li <sup>+</sup> and K <sup>+</sup> Ions. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 5338-5344	3.5	6
22	Calcium Carbonate Polymorphs Growing in the Presence of Sericin: A New Composite Mimicking the Hierarchic Structure of Nacre. <i>Crystals</i> , <b>2018</b> , 8, 263	2.3	5
21	Dehydration mechanism of AlPO <sub>4</sub> -5: A high-resolution synchrotron X-ray powder diffraction study. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 261, 137-143	5.3	5
20	{100} - {111} morphological change in KCl crystals grown from Pb <sup>2+</sup> -doped aqueous solutions. <i>CrystEngComm</i> , <b>2015</b> , 17, 7844-7855	3.3	4
19	Zeolite/dye hybrid composites: Organization of photoactive azobenzene molecules inside AlPO <sub>4</sub> -5. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 268, 25-30	5.3	4
18	SWCNT-porphyrin nano-hybrids selectively activated by ultrasound: an interesting model for sonodynamic applications.. <i>RSC Advances</i> , <b>2020</b> , 10, 21736-21744	3.7	3
17	The influence of Ca/Mg disorder on the growth of dolomite: a computational study. <i>CrystEngComm</i> , <b>2020</b> , 22, 4853-4861	3.3	3
16	Potential effects of the shape of gypsum aggregates on the early sulfation of marble and travertine. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101794	5.2	3
15	Calcite passivation by gypsum: the role of the cooperative effect. <i>CrystEngComm</i> , <b>2017</b> , 19, 3649-3659	3.3	2
14	Adsorption/Absorption of Lithium Affecting the Growth Morphology of Aragonite. The Two-Dimensional Epitaxy of Li <sub>2</sub> CO <sub>3</sub> (Zabuyelite) on the {001} Form of Aragonite (CaCO <sub>3</sub> ). <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 3969-3978	3.5	2
13	Impurity Effects on Habit Change and Polymorphic Transitions in the System: Aragonite/Calcite/Waterite. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 2497-2507	3.5	2
12	A three-modal epitaxial adsorption of formamide (H <sub>2</sub> NCHO) on the {111} surfaces of f.c.c. alkali halide crystals growing from aqueous solutions. <i>CrystEngComm</i> , <b>2016</b> , 18, 9067-9076	3.3	2
11	Gypsum lithofacies and stratigraphic architecture of a Messinian marginal basin (Piedmont Basin, NW Italy). <i>Sedimentary Geology</i> , <b>2021</b> , 106009	2.8	2
10	Theoretical equilibrium shape of hydroxyapatite, revised. <i>CrystEngComm</i> , <b>2020</b> , 22, 7944-7951	3.3	1
9	Equilibrium Shape of 2D Nuclei Obtained from Spiral Hillocks on {010} Form of Gypsum. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 1526-1530	3.5	1

8	Valorization of MSWI Bottom Ash as a Function of Particle Size Distribution, Using Steam Washing. <i>Sustainability</i> , <b>2020</b> , 12, 9461	3.6	1
7	Non-conventional CO <sub>2</sub> sequestration via Vitamin C promoted green reaction: Yield evaluation. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 44, 101420	7.6	1
6	Growth and Equilibrium Morphology of Hydrohalite (NaCl·2H <sub>2</sub> O) and Its Epitaxy with Hexagonal Ice Crystals. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 6923-6932	3.8	0
5	Lichen impact on sandstone hardness is species-specific. <i>Earth Surface Processes and Landforms</i> , <b>2022</b> , 47, 1147-1156	3.7	0
4	Preliminary Mineralogical Characterization of Branching Selenite Gypsum: New Insights for the Paleoenvironmental Reconstruction and Mechanical Characterization. <i>Minerals (Basel, Switzerland)</i> , <b>2022</b> , 12, 378	2.4	0
3	Thermal Stability of Calcium Oxalates from CO <sub>2</sub> Sequestration for Storage Purposes: An In-Situ HT-XRPD and TGA Combined Study. <i>Minerals (Basel, Switzerland)</i> , <b>2022</b> , 12, 53	2.4	0
2	High Pressure Behavior of the Hybrid Material AlPO <sub>4</sub> -5+Azobenzene: An In-situ Synchrotron X-ray Diffraction Study. <i>Springer Proceedings in Physics</i> , <b>2021</b> , 111-124	0.2	
1	Amino acid encapsulation in zeolite MOR: Effect of spatial confinement. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 20541-20552	3.6	