

Linda Pastero

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.

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	Lichen impact on sandstone hardness is species-specific. <i>Earth Surface Processes and Landforms</i> , 2022 , 47, 1147-1156	3.7	0
60	Preliminary Mineralogical Characterization of Branching Selenite Gypsum: New Insights for the Paleoenvironmental Reconstruction and Mechanical Characterization. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 378	2.4	0
59	Thermal Stability of Calcium Oxalates from CO ₂ Sequestration for Storage Purposes: An In-Situ HT-XRPD and TGA Combined Study. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 53	2.4	0
58	High Pressure Behavior of the Hybrid Material AlPO ₄ -5+Azobenzene: An In-situ Synchrotron X-ray Diffraction Study. <i>Springer Proceedings in Physics</i> , 2021 , 111-124	0.2	
57	Amino acid encapsulation in zeolite MOR: Effect of spatial confinement. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 20541-20552	3.6	
56	Non-conventional CO ₂ sequestration via Vitamin C promoted green reaction: Yield evaluation. <i>Journal of CO₂ Utilization</i> , 2021 , 44, 101420	7.6	1
55	Growth and Equilibrium Morphology of Hydrohalite (NaCl·2H ₂ O) and Its Epitaxy with Hexagonal Ice Crystals. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6923-6932	3.8	0
54	Gypsum lithofacies and stratigraphic architecture of a Messinian marginal basin (Piedmont Basin, NW Italy). <i>Sedimentary Geology</i> , 2021 , 106009	2.8	2
53	Theoretical equilibrium shape of hydroxyapatite, revised. <i>CrystEngComm</i> , 2020 , 22, 7944-7951	3.3	1
52	SWCNT-porphyrin nano-hybrids selectively activated by ultrasound: an interesting model for sonodynamic applications.. <i>RSC Advances</i> , 2020 , 10, 21736-21744	3.7	3
51	The influence of Ca/Mg disorder on the growth of dolomite: a computational study. <i>CrystEngComm</i> , 2020 , 22, 4853-4861	3.3	3
50	Impurity Effects on Habit Change and Polymorphic Transitions in the System: Aragonite/Calcite/Waterite. <i>Crystal Growth and Design</i> , 2020 , 20, 2497-2507	3.5	2
49	Equilibrium Shape of 2D Nuclei Obtained from Spiral Hillocks on {010} Form of Gypsum. <i>Crystal Growth and Design</i> , 2020 , 20, 1526-1530	3.5	1
48	Valorization of MSWI Bottom Ash as a Function of Particle Size Distribution, Using Steam Washing. <i>Sustainability</i> , 2020 , 12, 9461	3.6	1
47	Potential effects of the shape of gypsum aggregates on the early sulfation of marble and travertine. <i>Journal of Building Engineering</i> , 2020 , 32, 101794	5.2	3
46	Adsorption/Absorption of Lithium Affecting the Growth Morphology of Aragonite. The Two-Dimensional Epitaxy of Li ₂ CO ₃ (Zabuyelite) on the {001} Form of Aragonite (CaCO ₃). <i>Crystal Growth and Design</i> , 2019 , 19, 3969-3978	3.5	2
45	CO capture and sequestration in stable Ca-oxalate, via Ca-ascorbate promoted green reaction. <i>Science of the Total Environment</i> , 2019 , 666, 1232-1244	10.2	9

44	Effects of particle size on properties and thermal inertization of bottom ashes (MSW of Turin's incinerator). <i>Waste Management</i> , 2019 , 84, 340-354	8.6	14
43	Zeolite/dye hybrid composites: Organization of photoactive azobenzene molecules inside AlPO ₄ -5. <i>Microporous and Mesoporous Materials</i> , 2018 , 268, 25-30	5.3	4
42	Cyclic nigerosyl-1,6-nigerose-based nanosponges: An innovative pH and time-controlled nanocarrier for improving cancer treatment. <i>Carbohydrate Polymers</i> , 2018 , 194, 111-121	10.3	17
41	Calcium Carbonate Polymorphs Growing in the Presence of Sericin: A New Composite Mimicking the Hierarchic Structure of Nacre. <i>Crystals</i> , 2018 , 8, 263	2.3	5
40	Dehydration mechanism of AlPO ₄ -5: A high-resolution synchrotron X-ray powder diffraction study. <i>Microporous and Mesoporous Materials</i> , 2018 , 261, 137-143	5.3	5
39	Habit Change of Monoclinic Hydroxyapatite Crystals Growing from Aqueous Solution in the Presence of Citrate Ions: The Role of 2D Epitaxy. <i>Crystals</i> , 2018 , 8, 308	2.3	8
38	Calcite passivation by gypsum: the role of the cooperative effect. <i>CrystEngComm</i> , 2017 , 19, 3649-3659	3.3	2
37	About the Genetic Mechanisms of Apatites: A Survey on the Methodological Approaches. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 139	2.4	9
36	A three-modal epitaxial adsorption of formamide (HCONH ₂) on the {111} surfaces of f.c.c. alkali halide crystals growing from aqueous solutions. <i>CrystEngComm</i> , 2016 , 18, 9067-9076	3.3	2
35	Three study cases of growth morphology in minerals: Halite, calcite and gypsum. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2016 , 62, 227-251	3.5	59
34	Monetite-Assisted Growth of Micrometric Ca-Hydroxyapatite Crystals from Mild Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2016 , 16, 852-860	3.5	8
33	Digestion Procedures for the Elemental Analysis of Wood by Inductively Coupled Plasma Optical Emission Spectrometry. <i>Analytical Letters</i> , 2016 , 49, 1722-1733	2.2	7
32	Revisiting the paradigm of silica pathogenicity with synthetic quartz crystals: the role of crystallinity and surface disorder. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 32	8.4	49
31	Microwave-Assisted Synthesis and Physicochemical Characterization of Tetrafuranylporphyrin-Grafted Reduced-Graphene Oxide. <i>Chemistry - A European Journal</i> , 2016 , 22, 1608-1613	4.8	14
30	Synthesis of Quartz with Controlled Properties for the Investigation of the Molecular Determinants in Silica Toxicology. <i>Crystal Growth and Design</i> , 2016 , 16, 2394-2403	3.5	8
29	AlPO ₄ -5 zeolite at high pressure: Crystal-fluid interaction and elastic behavior. <i>Microporous and Mesoporous Materials</i> , 2016 , 228, 158-167	5.3	17
28	Computational Approach to the Study of Epitaxy: Natural Occurrence in Diamond/Forsterite and Aragonite/Zabuyelite. <i>Crystal Growth and Design</i> , 2015 , 15, 2979-2987	3.5	9
27	{100} -> {111} morphological change in KCl crystals grown from Pb ²⁺ -doped aqueous solutions. <i>CrystEngComm</i> , 2015 , 17, 7844-7855	3.3	4

26	Morphology Change of Nitratine (NaNO ₃) from Aqueous Solution, in the Presence of Li ⁺ and K ⁺ Ions. <i>Crystal Growth and Design</i> , 2015 , 15, 5338-5344	3.5	6
25	Thermal expansion and cation partitioning of MnFe ₂ O ₄ (Jacobsite) from 1.6 to 1276 K studied by using neutron powder diffraction. <i>Solid State Communications</i> , 2015 , 201, 15-19	1.6	10
24	Twin Laws and Energy in Monoclinic Hydroxyapatite, Ca ₅ (PO ₄) ₃ (OH). <i>Crystal Growth and Design</i> , 2015 , 15, 411-418	3.5	12
23	Low Symmetry Polymorph of Hydroxyapatite. Theoretical Equilibrium Morphology of the Monoclinic Ca ₅ (OH)(PO ₄) ₃ . <i>Crystal Growth and Design</i> , 2014 , 14, 2846-2852	3.5	21
22	Comparison of inorganic constituents in bottom and fly residues from pelletised wood pyro-gasification. <i>Fuel</i> , 2014 , 119, 157-162	7.1	21
21	New Estimates of the Free Energy of Calcite/Water Interfaces for Evaluating the Equilibrium Shape and Nucleation Mechanisms. <i>Crystal Growth and Design</i> , 2013 , 13, 1170-1179	3.5	43
20	Encapsulation of Acyclovir in new carboxylated cyclodextrin-based nanosponges improves the agent's antiviral efficacy. <i>International Journal of Pharmaceutics</i> , 2013 , 443, 262-72	6.5	113
19	Anomalous mixed crystals: a peculiar case of adsorption/absorption. <i>Crystal Research and Technology</i> , 2013 , 48, 819-839	1.3	13
18	Selective Adsorption/Absorption of Formamide in NaCl Crystals Growing from Solution. <i>Crystal Growth and Design</i> , 2012 , 12, 2306-2314	3.5	30
17	Bi-2212 and Y123 highly curved single-crystal-like objects: whiskers, bows and ring-like structures. <i>Superconductor Science and Technology</i> , 2012 , 25, 105003	3.1	9
16	Cyclodextrin-based nanosponges encapsulating camptothecin: physicochemical characterization, stability and cytotoxicity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 74, 193-201	5.7	203
15	{100} and {111} forms of the NaCl crystals coexisting in growth from pure aqueous solution. <i>Journal of Crystal Growth</i> , 2009 , 311, 399-403	1.6	31
14	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> , 2008 , 8, 2163-2170	3.5	42
13	CaCO ₃ (Calcite)/Li ₂ CO ₃ (Zabuyelite) Anomalous Mixed Crystals. Sector Zoning and Growth Mechanisms. <i>Crystal Growth and Design</i> , 2008 , 8, 3451-3460	3.5	22
12	Single and Twinned Li ₂ CO ₃ Crystals (Zabuyelite) Epitaxially Grown on {0001} and {101 4} Forms of CaCO ₃ (Calcite) Crystals. <i>Crystal Growth and Design</i> , 2008 , 8, 2041-2046	3.5	19
11	Theoretical surface morphology of {011 $\bar{2}$ } acute rhombohedron of calcite. <i>Journal of Crystal Growth</i> , 2008 , 310, 706-715	1.6	27
10	Experimental and Theoretical Morphology of Single and Twinned Crystals of Li ₂ CO ₃ (Zabuyelite). <i>Crystal Growth and Design</i> , 2007 , 7, 2749-2755	3.5	24
9	Effect of alkylcarbonates of gamma-cyclodextrins with different chain lengths on drug complexation and release characteristics. <i>International Journal of Pharmaceutics</i> , 2007 , 339, 197-204	6.5	14

8	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> , 2007 , 308, 141-150	1.6	7
7	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> , 2006 , 292, 92-103	1.6	12
6	2D epitaxy of lithium carbonate inducing growth mechanism transitions on {0 0 0 1}-K and {011□8}-S forms of calcite crystals. <i>Journal of Crystal Growth</i> , 2005 , 275, e1625-e1630	1.6	21
5	Growth kinetics, adsorption and morphology of sucrose crystals from aqueous solutions in the presence of raffinose. <i>Crystal Research and Technology</i> , 2005 , 40, 1087-1093	1.3	10
4	Morphology of Calcite (CaCO ₃) Crystals Growing from Aqueous Solutions in the Presence of Li ⁺ Ions. Surface Behavior of the {0001} Form. <i>Crystal Growth and Design</i> , 2004 , 4, 485-490	3.5	56
3	The competition between {101 4} cleavage and {011 2} steep rhombohedra in gel grown calcite crystals. <i>Journal of Crystal Growth</i> , 2003 , 247, 472-482	1.6	25
2	Hollow rhombohedral calcite crystals encompassing CO ₂ microcavities nucleated in solution. <i>Journal of Crystal Growth</i> , 2003 , 247, 516-522	1.6	25
1	Polymorphic□polytypic transition induced in crystals by interaction of spirals and 2D growth mechanisms. <i>Journal of Crystal Growth</i> , 2003 , 247, 541-550	1.6	10