

# Hans Erik Lundager Madsen

## 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.

62

papers

1,333

citations

19

h-index

35

g-index

63

ext. papers

1,429

ext. citations

2.1

avg, IF

4.42

L-index

#	Paper	IF	Citations
62	Morphology and Optical Properties of Precipitated Vivianite, $\text{Fe}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$ . <i>Crystal Research and Technology</i> , <b>2020</b> , 55, 1900226	1.3	1
61	Mononuclear and polynuclear growth of electrolyte crystals from solution. <i>Journal of Crystal Growth</i> , <b>2020</b> , 532, 125402	1.6	1
60	Effect of temperature and reactant concentration on calcium phosphate precipitation. <i>Journal of Crystal Growth</i> , <b>2020</b> , 552, 125909	1.6	1
59	Homogeneous Nucleation of Hydroxyapatite, $\text{Ca}_5\text{OH}(\text{PO}_4)_3$ , at 37 °C. <i>Crystals</i> , <b>2020</b> , 10, 695	2.3	1
58	Influence of calcium and aluminum on crystallization of vivianite, $\text{Fe}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$ . <i>Journal of Crystal Growth</i> , <b>2019</b> , 526, 125242	1.6	4
57	Kinetics of solution crystal growth of strengite, $\text{FePO}_4 \cdot 2\text{H}_2\text{O}$ . <i>Journal of Crystal Growth</i> , <b>2018</b> , 482, 9-14	1.6	5
56	Solubility Product of Ni-Struvite, $\text{NH}_4\text{NiPO}_6 \cdot 6\text{H}_2\text{O}$ , at 25 °C. <i>Advances in Chemical Engineering and Science</i> , <b>2017</b> , 07, 206-214	0.4	0
55	Does drinking water influence hospital-admitted sialolithiasis on an epidemiological level in Denmark?. <i>BMJ Open</i> , <b>2015</b> , 5, e007385	3	8
54	Kinetics of crystal growth of vivianite, $\text{Fe}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$ , from solution at 25, 35 and 45 °C. <i>Journal of Crystal Growth</i> , <b>2014</b> , 401, 82-86	1.6	18
53	Redox process catalysed by growing crystal strengite, $\text{FePO}_4 \cdot 2\text{H}_2\text{O}$ , crystallizing from solution with iron(II) and hydroxylamine. <i>Journal of Crystal Growth</i> , <b>2014</b> , 401, 275-278	1.6	2
52	Thermodynamic modelling of adsorbed layers in solution growth. <i>Crystal Research and Technology</i> , <b>2013</b> , 48, 783-792	1.3	
51	Kinetics of mass crystallization of calcium carbonate at 25, 30 and 37 °C. <i>Journal of Crystal Growth</i> , <b>2011</b> , 318, 99-102	1.6	17
50	Comments on the paper Dielectric and ac ionic conductivity investigations in the monetite. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 494, L1-L2	5.7	
49	Influence of some foreign metal ions on crystal growth kinetics of brushite ( $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$ ). <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 2983-2988	1.6	11
48	Optical properties of synthetic crystals of brushite ( $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$ ). <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 617-623	1.6	12
47	Influence of foreign metal ions on crystal growth and morphology of brushite ( $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$ ) and its transformation to octacalcium phosphate and apatite. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 2602-2612	1.6	71
46	Turbidimetric study of fluorite nucleation in solution. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 307, 469-76	9.3	3

45	Theory of electrolyte crystallization in magnetic field. <i>Journal of Crystal Growth</i> , <b>2007</b> , 305, 271-277	1.6	13
44	Crystal growth kinetics of copper phosphate from acid solution at 37°C. <i>Journal of Crystal Growth</i> , <b>2005</b> , 275, e191-e196	1.6	7
43	Crystallization of heavy-metal phosphates in solutionIV: growth of Cd <sub>5</sub> H <sub>2</sub> (PO <sub>4</sub> ) <sub>4</sub> ·4H <sub>2</sub> O in magnetic field. <i>Journal of Crystal Growth</i> , <b>2004</b> , 263, 564-569	1.6	8
42	Crystallization of calcium carbonate in magnetic field in ordinary and heavy water. <i>Journal of Crystal Growth</i> , <b>2004</b> , 267, 251-255	1.6	47
41	Effects of cadmium on crystallization of calcium phosphates. <i>Crystal Research and Technology</i> , <b>2004</b> , 39, 235-239	1.3	8
40	Reinvestigation of the kinetics of reduction of bromite by hexacyanoferrate(II) in slightly basic solution. <i>Dalton Transactions</i> , <b>2003</b> , 4651	4.3	3
39	Solubility Product of the Cadmium Phosphate Cd <sub>5</sub> H <sub>2</sub> (PO <sub>4</sub> ) <sub>4</sub> ·4H <sub>2</sub> O at 37 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 113-116	2.8	13
38	The influence of magnetism on precipitation of calcium phosphate. <i>Journal of Crystal Growth</i> , <b>2000</b> , 216, 399-406	1.6	43
37	Crystallization of some heavy-metal phosphates alone and in the presence of calcium ion. <i>Journal of Crystal Growth</i> , <b>2000</b> , 208, 579-591	1.6	32
36	Observation by HRTEM the hydroxyapatiteβctacalcium phosphate interface in crystals grown from aqueous solutions. <i>Journal of Crystal Growth</i> , <b>1999</b> , 198-199, 677-681	1.6	13
35	Terrestrial and space-grown HAP and OCP crystals: effect of growth conditions on perfection and morphology. <i>Journal of Crystal Growth</i> , <b>1998</b> , 186, 262-74	1.6	28
34	Crystallization of calcium phosphate in microgravity. <i>Advances in Space Research</i> , <b>1995</b> , 16, 65-8	2.4	14
33	Influence of magnetic field on the precipitation of some inorganic salts. <i>Journal of Crystal Growth</i> , <b>1995</b> , 152, 94-100	1.6	91
32	Calcium phosphate crystallization under terrestrial and microgravity conditions. <i>Journal of Crystal Growth</i> , <b>1995</b> , 152, 191-202	1.6	23
31	Effect of ammonia excess on the crystal habit of NiNH <sub>4</sub> PO <sub>4</sub> ·6H <sub>2</sub> O (Ni-struvite). <i>Journal of Crystal Growth</i> , <b>1994</b> , 143, 256-260	1.6	9
30	Crystal habit and growth conditions of brushite, CaHPO <sub>4</sub> · 2H <sub>2</sub> O. <i>Journal of Crystal Growth</i> , <b>1993</b> , 131, 331-346	1.6	61
29	Affinity and entropy production in electrolyte crystallization. <i>Journal of Crystal Growth</i> , <b>1992</b> , 118, 71-77	1.6	4
28	The final phases of calcium and magnesium phosphates precipitated from solutions of high to medium concentration. <i>Journal of Crystal Growth</i> , <b>1988</b> , 89, 592-602	1.6	39

27	In vitro and clinical study of oxalate influence on calcium oxalate crystal formation. <i>Journal of Crystal Growth</i> , <b>1988</b> , 87, 494-506	1.6	38
26	Theory of long induction periods. <i>Journal of Crystal Growth</i> , <b>1987</b> , 80, 371-377	1.6	15
25	Calculation of the thermodynamic driving force in crystallization from solution. <i>Journal of Crystal Growth</i> , <b>1987</b> , 85, 377-385	1.6	3
24	The formation product of amorphous tricalcium phosphate at 37°C. <i>Journal of Crystal Growth</i> , <b>1986</b> , 75, 429-434	1.6	34
23	The initial phases of calcium and magnesium phosphates precipitated from solutions of high to medium concentrations. <i>Journal of Crystal Growth</i> , <b>1986</b> , 74, 581-590	1.6	103
22	Growth kinetics of calcium fluoride in solution. <i>Journal of Crystal Growth</i> , <b>1985</b> , 71, 673-681	1.6	14
21	On the transformation of struvite into newberyite in aqueous systems. <i>Physics and Chemistry of Minerals</i> , <b>1983</b> , 9, 216-222	1.6	50
20	Study on the dissolution behaviour of calcium fluoride. <i>European Journal of Oral Sciences</i> , <b>1983</b> , 91, 247-503		0
19	Calcium Phosphate Crystallization. IV. Kinetics of Heterogeneous Nucleation of Tetracalcium Monohydrogen Phosphate on Brushite Crystals.. <i>Acta Chemica Scandinavica</i> , <b>1983</b> , 37a, 25-29		11
18	Crystallization of two magnesium phosphates, struvite and newberyite: Effect of pH and concentration. <i>Journal of Crystal Growth</i> , <b>1982</b> , 57, 6-14	1.6	106
17	Calcium Phosphate Crystallization. III. Overall Growth Kinetics of Tetracalcium Monohydrogen Phosphate.. <i>Acta Chemica Scandinavica</i> , <b>1982</b> , 36a, 239-249		24
16	Localized adsorption in one layer on a crystal-Solution interface. <i>Journal of Crystal Growth</i> , <b>1979</b> , 46, 495-503	1.6	13
15	Growth kinetics of the (001) faces of hexatriacontane (C <sub>36</sub> H <sub>74</sub> ) in solution. <i>Journal of Crystal Growth</i> , <b>1979</b> , 46, 681-690	1.6	49
14	Solubility of octacosane and hexatriacontane in different n-alkane solvents. <i>Journal of the Chemical Society Faraday Transactions I</i> , <b>1979</b> , 75, 1254		24
13	Calculation of the adsorption energies of n-alkane molecules on the (001) face of crystals of long-chain even n-alkanes. <i>Journal of Crystal Growth</i> , <b>1978</b> , 43, 141-147	1.6	13
12	Solubility of long-chain n-alkanes in petroleum ether. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1978</b> , 23, 28-29	2.8	10
11	Stability Constants of Copper(II), Zinc, Manganese(II), Calcium, and Magnesium Complexes of N-(Phosphonomethyl)glycine (Glyphosate).. <i>Acta Chemica Scandinavica</i> , <b>1978</b> , 32a, 79-83		72
10	On the thermodynamic formalism for adsorbed layers in crystal growth from solution. <i>Journal of Crystal Growth</i> , <b>1977</b> , 39, 250-254	1.6	9

- 9 On the reduction of certain matrix expressions in the statistical theory of chain molecule configurations. *Journal of the Chemical Society, Faraday Transactions 2*, **1976**, 72, 827 2
- 8 Calculations of lattice sums and heats of sublimation of long-chain evenn-alkanes. *The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography*, **1976**, 32, 828-831 9
- 7 Rapid measurement of very low growth rates of birefringent crystals. *Journal of Crystal Growth*, **1976**, 32, 84-88 1.6 19
- 6 Solubility of long-chain n-paraffins in pentane and heptane. *Journal of the Chemical Society Faraday Transactions I*, **1976**, 72, 1078 39
- 5 Heterogeneous Nucleation of Calcium Phosphates. II. Inhibition by Cupric Ions.. *Acta Chemica Scandinavica*, **1975**, 29a, 277-281 4
- 4 Ionic Concentrations in Calcium Phosphate Solutions. I. Solutions Saturated with Respect to Brushite or Tetracalcium Monohydrogen Phosphate at 37 degrees C.. *Acta Chemica Scandinavica*, **1970**, 24, 1671-1676 12
- 3 Heterogeneous Nucleation of Calcium Phosphates. I. Kinetics of Nucleation of Tetracalcium Monohydrogen Phosphate on Crystals of Calcium Monohydrogen Phosphate Dihydrate.. *Acta Chemica Scandinavica*, **1970**, 24, 1677-1686 19
- 2 Chemical effects following thermal neutron capture. Annealing of radiolytic and recoil products in crystalline potassium bromate. *Transactions of the Faraday Society*, **1966**, 62, 2409 19
- 1 Direct Micropotentiometric Determination of Hypobromite and Bromite.. *Analytical Chemistry*, **1965**, 37, 49-51 7.8 11