

# Hans Erik Lundager Madsen

## List of Publications by Citations

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papers

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ext. papers

1,429

ext. citations

2.1

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L-index

#	Paper	IF	Citations
62	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
61	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
60	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
59	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
58	Influence of foreign metal ions on crystal growth and morphology of brushite (CaHPO <sub>4</sub> , 2H <sub>2</sub> O) and its transformation to octacalcium phosphate and apatite. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 2602-2612 <sup>1,6</sup>	1.6	71
57	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
56	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
55	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
54	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
53	The influence of magnetism on precipitation of calcium phosphate. <i>Journal of Crystal Growth</i> , <b>2000</b> , 216, 399-406	1.6	43
52	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
51	Solubility of long-chain n-paraffins in pentane and heptane. <i>Journal of the Chemical Society Faraday Transactions I</i> , <b>1976</b> , 72, 1078		39
50	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
49	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
48	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
47	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
46	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

45	Calcium Phosphate Crystallization. III. Overall Growth Kinetics of Tetracalcium Monohydrogen Phosphate.. <i>Acta Chemica Scandinavica</i> , <b>1982</b> , 36a, 239-249		24
44	Calcium phosphate crystallization under terrestrial and microgravity conditions. <i>Journal of Crystal Growth</i> , <b>1995</b> , 152, 191-202	1.6	23
43	Rapid measurement of very low growth rates of birefringent crystals. <i>Journal of Crystal Growth</i> , <b>1976</b> , 32, 84-88	1.6	19
42	Chemical effects following thermal neutron capture. Annealing of radiolytic and recoil products in crystalline potassium bromate. <i>Transactions of the Faraday Society</i> , <b>1966</b> , 62, 2409		19
41	Heterogeneous Nucleation of Calcium Phosphates. I. Kinetics of Nucleation of Tetracalcium Monohydrogen Phosphate on Crystals of Calcium Monohydrogen Phosphate Dihydrate.. <i>Acta Chemica Scandinavica</i> , <b>1970</b> , 24, 1677-1686		19
40	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
39	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
38	Theory of long induction periods. <i>Journal of Crystal Growth</i> , <b>1987</b> , 80, 371-377	1.6	15
37	Crystallization of calcium phosphate in microgravity. <i>Advances in Space Research</i> , <b>1995</b> , 16, 65-8	2.4	14
36	Growth kinetics of calcium fluoride in solution. <i>Journal of Crystal Growth</i> , <b>1985</b> , 71, 673-681	1.6	14
35	Theory of electrolyte crystallization in magnetic field. <i>Journal of Crystal Growth</i> , <b>2007</b> , 305, 271-277	1.6	13
34	Solubility Product of the Cadmium Phosphate $\text{Cd}_5\text{H}_2(\text{PO}_4)_4 \cdot 4\text{H}_2\text{O}$ at 37 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 113-116	2.8	13
33	Observation by HRTEM the hydroxyapatite $\beta$ -tetracalcium phosphate interface in crystals grown from aqueous solutions. <i>Journal of Crystal Growth</i> , <b>1999</b> , 198-199, 677-681	1.6	13
32	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
31	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
30	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
29	Ionic Concentrations in Calcium Phosphate Solutions. I. Solutions Saturated with Respect to Brushite or Tetracalcium Monohydrogen Phosphate at 37 degrees C.. <i>Acta Chemica Scandinavica</i> , <b>1970</b> , 24, 1671-1676		12
28	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

27	Direct Micropotentiometric Determination of Hypobromite and Bromite.. <i>Analytical Chemistry</i> , <b>1965</b> , 37, 49-51	7.8	11
26	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
25	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
24	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
23	Calculations of lattice sums and heats of sublimation of long-chain evenn-alkanes. <i>The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography</i> , <b>1976</b> , 32, 828-831		9
22	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
21	Does drinking water influence hospital-admitted sialolithiasis on an epidemiological level in Denmark?. <i>BMJ Open</i> , <b>2015</b> , 5, e007385	3	8
20	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
19	Effects of cadmium on crystallization of calcium phosphates. <i>Crystal Research and Technology</i> , <b>2004</b> , 39, 235-239	1.3	8
18	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
17	Kinetics of solution crystal growth of strengite, FePO <sub>4</sub> ·2H <sub>2</sub> O. <i>Journal of Crystal Growth</i> , <b>2018</b> , 482, 9-14	1.6	5
16	Influence of calcium and aluminum on crystallization of vivianite, Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> ·8H <sub>2</sub> O. <i>Journal of Crystal Growth</i> , <b>2019</b> , 526, 125242	1.6	4
15	Affinity and entropy production in electrolyte crystallization. <i>Journal of Crystal Growth</i> , <b>1992</b> , 118, 71-77	1.6	4
14	Heterogeneous Nucleation of Calcium Phosphates. II. Inhibition by Cupric Ions.. <i>Acta Chemica Scandinavica</i> , <b>1975</b> , 29a, 277-281		4
13	Turbidimetric study of fluorite nucleation in solution. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 307, 469-76	9.3	3
12	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
11	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
10	Redox process catalysed by growing crystalstrengite, FePO <sub>4</sub> ·2H <sub>2</sub> O, crystallizing from solution with iron(II) and hydroxylamine. <i>Journal of Crystal Growth</i> , <b>2014</b> , 401, 275-278	1.6	2

9	On the reduction of certain matrix expressions in the statistical theory of chain molecule configurations. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , <b>1976</b> , 72, 827		2
8	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
7	Mononuclear and polynuclear growth of electrolyte crystals from solution. <i>Journal of Crystal Growth</i> , <b>2020</b> , 532, 125402	1.6	1
6	Effect of temperature and reactant concentration on calcium phosphate precipitation. <i>Journal of Crystal Growth</i> , <b>2020</b> , 552, 125909	1.6	1
5	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
4	Study on the dissolution behaviour of calcium fluoride. <i>European Journal of Oral Sciences</i> , <b>1983</b> , 91, 247-50;		0
3	Solubility Product of Ni-Struvite, $\text{NH}_4\text{NiPO}_4 \cdot 6\text{H}_2\text{O}$ , at 25 °C. <i>Advances in Chemical Engineering and Science</i> , <b>2017</b> , 07, 206-214	0.4	0
2	Thermodynamic modelling of adsorbed layers in solution growth. <i>Crystal Research and Technology</i> , <b>2013</b> , 48, 783-792	1.3	
1	Comments on the paper Dielectric and ac ionic conductivity investigations in the monetite $\text{Ca}_2\text{P}_2\text{O}_7$ . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 494, L1-L2	5.7	