

Sven Engström

List of Publications by Year in descending order

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53
papers

3,078
citations

186265

28
h-index

161849

54
g-index

54
all docs

54
docs citations

54
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular dynamics study of polarizable water. <i>Molecular Physics</i> , 1989, 68, 563-581.	1.7	407
2	A molecular dynamics simulation of a water model with intramolecular degrees of freedom. <i>Molecular Physics</i> , 1987, 60, 193-203.	1.7	392
3	Formulation of a drug delivery system based on a mixture of monoglycerides and triglycerides for use in the treatment of periodontal disease. <i>Journal of Clinical Periodontology</i> , 1992, 19, 687-692.	4.9	142
4	Electrochemical biosensors for glucose, lactate, urea, and creatinine based on enzymes entrapped in a cubic liquid crystalline phase. <i>Analytica Chimica Acta</i> , 1994, 289, 155-162.	5.4	123
5	Ion condensation on planar surfaces. A solution of the Poisson-Boltzmann equation for two parallel charged plates. <i>The Journal of Physical Chemistry</i> , 1978, 82, 2711-2714.	2.9	112
6	Lipid cubic phases for improved topical drug delivery in photodynamic therapy. <i>Journal of Controlled Release</i> , 2005, 106, 350-360.	9.9	108
7	Lipidic Sponge Phase Crystallization of Membrane Proteins. <i>Journal of Molecular Biology</i> , 2006, 364, 44-53.	4.2	105
8	Phase behaviour of the lidocaine-monoolein-water system. <i>International Journal of Pharmaceutics</i> , 1992, 79, 113-122.	5.2	95
9	Triglyceride-Based Microemulsion for Intravenous Administration of Sparingly Soluble Substances. <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 200-208.	3.3	93
10	Cubic phases for studies of drug partition into lipid bilayers. <i>European Journal of Pharmaceutical Sciences</i> , 1999, 8, 243-254.	4.0	87
11	Microemulsions Based on Soybean Phosphatidylcholine and Triglycerides. <i>Phase Behavior and Microstructure</i> . <i>Langmuir</i> , 1997, 13, 5061-5070.	3.5	84
12	A study of polar lipid drug systems undergoing a thermoreversible lamellar-to-cubic phase transition. <i>International Journal of Pharmaceutics</i> , 1992, 86, 137-145.	5.2	81
13	Molecular dynamic simulation of quadrupole relaxation of atomic ions in aqueous solution. <i>Journal of Chemical Physics</i> , 1984, 80, 5481-5486.	3.0	78
14	A novel approach to the understanding of human skin barrier function. <i>Journal of Dermatological Science</i> , 1997, 14, 115-125.	1.9	78
15	Lipid cubic phases in topical drug delivery: Visualization of skin distribution using two-photon microscopy. <i>Journal of Controlled Release</i> , 2008, 129, 163-169.	9.9	75
16	Membrane protein crystallization from lipidic phases. <i>Current Opinion in Structural Biology</i> , 2009, 19, 372-378.	5.7	73
17	The effect of intermolecular interactions on the ^{2}H and ^{17}O quadrupole coupling constants in ice and liquid water. <i>Journal of Chemical Physics</i> , 1985, 82, 2002-2013.	3.0	64
18	Aqueous self-assembly of phytantriol in ternary systems: Effect of monoolein, distearoylphosphatidylglycerol and three water-miscible solvents. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 701-713.	9.4	63

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19	A Lipidic-Sponge Phase Screen for Membrane Protein Crystallization. <i>Structure</i> , 2008, 16, 1003-1009.	3.3	60
20	Drug compatibility with the sponge phases formed in monoolein, water, and propylene glycol or poly(ethylene glycol). <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 1527-1530.	3.3	54
21	Multiconfiguration SCF and CI calculations on the open and closed forms of the ozone molecule. <i>Chemical Physics Letters</i> , 1978, 57, 390-394.	2.6	51
22	Sternheimer shielding in molecules. <i>Molecular Physics</i> , 1977, 34, 813-821.	1.7	42
23	Monte Carlo simulations of the electric field gradient fluctuation at the nucleus of a lithium ion in dilute aqueous solution. <i>Molecular Physics</i> , 1981, 43, 1235-1253.	1.7	41
24	Moisture-Induced Surface Crystallization of Spray-Dried Amorphous Lactose Particles Studied by Atomic Force Microscopy. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 29-37.	3.3	41
25	Multiconfigurational SCF and CI calculations on CH ₂ O ₂ . An intermediate in the ozonolysis ethylene. <i>Chemical Physics Letters</i> , 1979, 67, 343-347.	2.6	37
26	Monte Carlo simulations of electronic energy transfer in three-dimensional systems: A comparison with analytical theories. <i>Journal of Chemical Physics</i> , 1988, 89, 204-213.	3.0	36
27	In vitro release of timolol maleate from an in situ gelling polymer system. <i>International Journal of Pharmaceutics</i> , 1993, 95, 219-228.	5.2	36
28	Electronic energy transfer in anisotropic systems. III. Monte Carlo simulations of energy migration in membranes. <i>Journal of Chemical Physics</i> , 1992, 96, 3844-3856.	3.0	30
29	On the Self-Assembly of Monoolein in Mixtures of Water and a Polar Aprotic Solvent. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2311-2318.	2.6	26
30	The influence of PVP incorporation on moisture-induced surface crystallization of amorphous spray-dried lactose particles. <i>International Journal of Pharmaceutics</i> , 2006, 321, 78-85.	5.2	26
31	Phase coexistence in cholesterol-fatty acid mixtures and the effect of the penetration enhancer Azone. <i>Journal of Controlled Release</i> , 1998, 52, 271-280.	9.9	24
32	Cubic, Sponge, and Lamellar Phases in the Glyceryl Monooleyl Ether-Propylene Glycol-Water System. <i>Langmuir</i> , 2007, 23, 10020-10025.	3.5	24
33	Fluorescence anisotropy of rotating molecules in the presence of energy migration. <i>Journal of Chemical Physics</i> , 1992, 96, 7528-7534.	3.0	23
34	The effect of the skin penetration enhancer Azone® on fatty acid-sodium soap-water mixtures. <i>Journal of Controlled Release</i> , 1995, 33, 299-305.	9.9	23
35	A molecular approach to quadrupole relaxation. Monte Carlo simulations of dilute Li ⁺ , Na ⁺ , and Cl ⁻ aqueous solutions. <i>Journal of Magnetic Resonance</i> , 1982, 50, 1-20.	0.5	22
36	Stabilisation of Glucose Oxidase by Entrapment in a Cubic Liquid Crystalline Phase. <i>Biocatalysis</i> , 1993, 8, 73-80.	0.9	21

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37	Structure and dynamics of a sponge phase in the methyl $\hat{\nu}$ -aminolevulinate/monoolein/water/propylene glycol system. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 577-584.	9.4	20
38	Azone [®] and the formation of reversed mono- and bicontinuous lipid-water phases. <i>International Journal of Pharmaceutics</i> , 1993, 98, 173-179.	5.2	18
39	Alkali counterion binding specificity in lamellar liquid crystals. <i>Journal of Colloid and Interface Science</i> , 1980, 78, 110-117.	9.4	17
40	The effect of bacteriorhodopsin, detergent and hydration on the cubic-to-lamellar phase transition in the monoolein $\hat{\nu}$ -distearoyl phosphatidyl glycerol $\hat{\nu}$ -water system. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1665, 156-166.	2.6	17
41	In vivo study of an instantly formed lipid $\hat{\nu}$ -water cubic phase formulation for efficient topical delivery of aminolevulinic acid and methyl-aminolevulinate. <i>International Journal of Pharmaceutics</i> , 2013, 452, 270-275.	5.2	17
42	Nuclear quadrupole coupling and molecular deformations. <i>Molecular Physics</i> , 1978, 36, 773-779.	1.7	15
43	NMR self diffusion measurements of the Monooleoylglycerol/Poly ethylene glycol/water L3 phase. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 26, 21-29.	5.0	15
44	The skin barrier from a lipid perspective. <i>Acta Dermato-Venereologica</i> , 2000, 80, 31-35.	1.3	14
45	Cleaning of polymer and metal surfaces studied by ellipsometry. <i>Journal of Colloid and Interface Science</i> , 1984, 99, 549-552.	9.4	13
46	Phase Behavior of the Quaternary Poly(dl-lactide-co-glycolide)/Monoolein/1-Methyl-2-pyrrolidinone/Water System: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12157-12164.	2.6	10
47	Solid-State Characterization of PEG 4000/Monoolein Mixtures. <i>Macromolecules</i> , 2004, 37, 2665-2667.	4.8	8
48	Diamond Cubic Phase of Monoolein and Water as an Amphiphilic Matrix for Electrophoresis of Oligonucleotides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18628-18636.	2.6	8
49	Cubic and Sponge Phases in Ether Lipid $\hat{\nu}$ -Solvent $\hat{\nu}$ -Water Ternary Systems: Phase Behavior and NMR Characterization. <i>Langmuir</i> , 2013, 29, 13058-13065.	3.5	8
50	Influence of polymer molecular weight on the solid-state structure of PEG/monoolein mixtures. <i>Polymer</i> , 2005, 46, 12210-12217.	3.8	7
51	Investigation of surfactant alkyl chain length and counterion effects on the thermogelling EHEC system. <i>International Journal of Pharmaceutics</i> , 1995, 124, 107-118.	5.2	6
52	Removal of triglycerides from hard surfaces by surfactants: An ellipsometry study. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1988, 65, 412-420.	1.9	5
53	Surface and interfacial properties of clomethiazole. <i>International Journal of Pharmaceutics</i> , 1996, 132, 231-242.	5.2	2