

Anan Yaghmur

List of Publications by Year in descending order

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101
papers

5,513
citations

53794

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docs citations

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4319
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#	ARTICLE	IF	CITATIONS
1	Cell medium-dependent dynamic modulation of size and structural transformations of binary phospholipid/3 fatty acid liquid crystalline nano-self-assemblies: Implications in interpretation of cell uptake studies. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 464-479.	9.4	8
2	Investigation of diclofenac release and dynamic structural behavior of non-lamellar liquid crystal formulations during in situ formation by UV-Vis imaging and SAXS. <i>International Journal of Pharmaceutics</i> , 2022, 623, 121880.	5.2	3
3	Dispersed liquid crystals as pH-adjustable antimicrobial peptide nanocarriers. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 672-682.	9.4	16
4	In situ monitoring of the formation of lipidic non-lamellar liquid crystalline depot formulations in synovial fluid. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 773-781.	9.4	11
5	A structurally diverse library of glycerol monooleate/oleic acid non-lamellar liquid crystalline nanodispersions stabilized with nonionic methoxypoly(ethylene glycol) (mPEG)-lipids showing variable complement activation properties. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 906-917.	9.4	21
6	Recent advances in drug delivery applications of cubosomes, hexosomes, and solid lipid nanoparticles. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 871-885.	12.0	91
7	Advances in microfluidic synthesis and coupling with synchrotron SAXS for continuous production and real-time structural characterization of nano-self-assemblies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 201, 111633.	5.0	26
8	Continuous Microfluidic Production of Citrem-Phosphatidylcholine Nano-Self-Assemblies for Thymoquinone Delivery. <i>Nanomaterials</i> , 2021, 11, 1510.	4.1	7
9	Pulmonary Delivery of Anticancer Drugs via Lipid-Based Nanocarriers for the Treatment of Lung Cancer: An Update. <i>Pharmaceutics</i> , 2021, 14, 725.	3.8	24
10	Cross-linked chitosan-coated liposomes for encapsulation of fish-derived peptide. <i>LWT - Food Science and Technology</i> , 2021, 150, 112057.	5.2	24
11	Spatially and time-resolved SAXS for monitoring dynamic structural transitions during in situ generation of non-lamellar liquid crystalline phases in biologically relevant media. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 415-425.	9.4	5
12	Non-Lamellar Liquid Crystalline Nanocarriers for Thymoquinone Encapsulation. <i>Molecules</i> , 2020, 25, 16.	3.8	30
13	Hexosome engineering for targeting of regional lymph nodes. <i>Materialia</i> , 2020, 11, 100705.	2.7	17
14	Nanoencapsulation of food ingredients by cubosomes and hexosomes. , 2019, , 483-522.		6
15	Nanomedicines for cancer therapy: current status, challenges and future prospects. <i>Therapeutic Delivery</i> , 2019, 10, 113-132.	2.2	102
16	Citrem-phosphatidylcholine nano-self-assemblies: solubilization of bupivacaine and its role in triggering a colloidal transition from vesicles to cubosomes and hexosomes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15142-15150.	2.8	19
17	A hydrodynamic flow focusing microfluidic device for the continuous production of hexosomes based on docosahexaenoic acid monoglyceride. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13005-13013.	2.8	38
18	pH-Responsive Nano-Self-Assemblies of the Anticancer Drug 2-Hydroxyoleic Acid. <i>Langmuir</i> , 2019, 35, 7954-7961.	3.5	38

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19	Transport characteristics in a novel in vitro release model for testing the performance of intra-articular injectables. <i>International Journal of Pharmaceutics</i> , 2019, 566, 445-453.	5.2	15
20	The Interplay Between Blood Proteins, Complement, and Macrophages on Nanomedicine Performance and Responses. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 370, 581-592.	2.5	47
21	Internal Lamellar and Inverse Hexagonal Liquid Crystalline Phases During the Digestion of Krill and Astaxanthin Oil-in-Water Emulsions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 384.	4.1	15
22	From Structure to Function: pH-Switchable Antimicrobial Nano-Self-Assemblies. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2821-2829.	8.0	66
23	pH-Triggered nanostructural transformations in antimicrobial peptide/oleic acid self-assemblies. <i>Biomaterials Science</i> , 2018, 6, 803-812.	5.4	50
24	Temperature triggering of kinetically trapped self-assemblies in citrem-phospholipid nanoparticles. <i>Chemistry and Physics of Lipids</i> , 2018, 216, 30-38.	3.2	21
25	Structural characterization of self-assemblies of new omega-3 lipids: docosahexaenoic acid and docosapentaenoic acid monoglycerides. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23928-23941.	2.8	41
26	Cisplatin Encapsulation Generates Morphologically Different Multicompartment in the Internal Nanostructures of Nonlamellar Liquid-Crystalline Self-Assemblies. <i>Langmuir</i> , 2018, 34, 6570-6581.	3.5	33
27	Adjuvants Based on Synthetic Mycobacterial Cord Factor Analogues: Biophysical Properties of Neat Glycolipids and Nanoself-Assemblies with DDA. <i>Molecular Pharmaceutics</i> , 2017, 14, 2294-2306.	4.6	11
28	In Situ Monitoring of Nanostructure Formation during the Digestion of Mayonnaise. <i>ACS Omega</i> , 2017, 2, 1441-1446.	3.5	31
29	Microfluidic Platform for the Continuous Production and Characterization of Multilamellar Vesicles: A Synchrotron Small-Angle X-ray Scattering (SAXS) Study. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 73-79.	4.6	34
30	Structural Investigation of Bulk and Dispersed Inverse Lyotropic Hexagonal Liquid Crystalline Phases of Eicosapentaenoic Acid Monoglyceride. <i>Langmuir</i> , 2017, 33, 14045-14057.	3.5	54
31	Direct monitoring of lipid transfer on exposure of citrem nanoparticles to an ethanol solution containing soybean phospholipids by combining synchrotron SAXS with microfluidics. <i>Analyst</i> , The, 2017, 142, 3118-3126.	3.5	23
32	Nano-Self-Assemblies Based on Synthetic Analogues of Mycobacterial Monomycoloyl Glycerol and DDA: Supramolecular Structure and Adjuvant Efficacy. <i>Molecular Pharmaceutics</i> , 2016, 13, 2771-2781.	4.6	12
33	Direct monitoring of calcium-triggered phase transitions in cubosomes using small-angle X-ray scattering combined with microfluidics. <i>Journal of Applied Crystallography</i> , 2016, 49, 2005-2014.	4.5	26
34	Antimicrobial Peptide-Driven Colloidal Transformations in Liquid-Crystalline Nanocarriers. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3482-3486.	4.6	69
35	Microemulsions as Potential Carriers of Nisin: Effect of Composition on Structure and Efficacy. <i>Langmuir</i> , 2016, 32, 8988-8998.	3.5	18
36	A structurally diverse library of safe-by-design citrem-phospholipid lamellar and non-lamellar liquid crystalline nano-assemblies. <i>Journal of Controlled Release</i> , 2016, 239, 1-9.	9.9	76

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37	Effects of High Pressure on Internally Self-Assembled Lipid Nanoparticles: A Synchrotron Small-Angle X-ray Scattering (SAXS) Study. <i>Langmuir</i> , 2016, 32, 11907-11917.	3.5	19
38	Conserved Molecular Superlattices in a Series of Homologous Synthetic Mycobacterial Cell-Wall Lipids Forming Interdigitated Bilayers. <i>Langmuir</i> , 2016, 32, 12693-12701.	3.5	4
39	Role of Electrostatic Interactions on the Transport of Druglike Molecules in Hydrogel-Based Articular Cartilage Mimics: Implications for Drug Delivery. <i>Molecular Pharmaceutics</i> , 2016, 13, 819-828.	4.6	15
40	Delivery of siRNA Complexed with Palmitoylated β -Peptide/ β -Peptoid Cell-Penetrating Peptidomimetics: Membrane Interaction and Structural Characterization of a Lipid-Based Nanocarrier System. <i>Molecular Pharmaceutics</i> , 2016, 13, 1739-1749.	4.6	19
41	An integrated assessment of morphology, size, and complement activation of the PEGylated liposomal doxorubicin products Doxil [®] , Caelyx [®] , DOXOrubicin, and SinaDoxosome. <i>Journal of Controlled Release</i> , 2016, 221, 1-8.	9.9	152
42	Modulatory Effect of Human Plasma on the Internal Nanostructure and Size Characteristics of Liquid-Crystalline Nanocarriers. <i>Langmuir</i> , 2015, 31, 5042-5049.	3.5	59
43	Cubosomes and hexosomes as versatile platforms for drug delivery. <i>Therapeutic Delivery</i> , 2015, 6, 1347-1364.	2.2	130
44	Mechanistic profiling of the siRNA delivery dynamics of lipid-polymer hybrid nanoparticles. <i>Journal of Controlled Release</i> , 2015, 201, 22-31.	9.9	66
45	Formulation and characterization of food-grade microemulsions as carriers of natural phenolic antioxidants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 130-136.	4.7	74
46	Citrem modulates internal nanostructure of glyceryl monooleate dispersions and bypasses complement activation: Towards development of safe tunable intravenous lipid nanocarriers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1909-1914.	3.3	64
47	Recent Advances in Cryo-TEM Imaging of Soft Lipid Nanoparticles. <i>AIMS Biophysics</i> , 2015, 2, 116-130.	0.6	45
48	PEGylation of Phytantriol-Based Lyotropic Liquid Crystalline Particles—The Effect of Lipid Composition, PEG Chain Length, and Temperature on the Internal Nanostructure. <i>Langmuir</i> , 2014, 30, 6398-6407.	3.5	53
49	SPECT/CT imaging of radiolabeled cubosomes and hexosomes for potential theranostic applications. <i>Biomaterials</i> , 2013, 34, 8491-8503.	11.4	71
50	Nanostructured aqueous dispersions of citrem interacting with lipids and PEGylated lipids. <i>RSC Advances</i> , 2013, 3, 24576.	3.6	23
51	How the chain configuration governs the packing of inverted micelles in the cubic Fd3m-phase. <i>Soft Matter</i> , 2013, 9, 6291.	2.7	31
52	Interaction of Amino Acid and Dipeptide β -Naphthylamide Derivatives with Hyaluronic Acid and Human Serum Albumin Studied by Capillary Electrophoresis Frontal Analysis. <i>Chromatographia</i> , 2013, 76, 49-57.	1.3	11
53	Influence of Vitamin E Acetate and Other Lipids on the Phase Behavior of Mesophases Based on Unsaturated Monoglycerides. <i>Langmuir</i> , 2013, 29, 8222-8232.	3.5	42
54	The supramolecular structure is decisive for the immunostimulatory properties of synthetic analogues of a mycobacterial lipid in vitro. <i>RSC Advances</i> , 2013, 3, 20673-20683.	3.6	16

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55	The Micellar Cubic Fd3m Phase. Behavior Research Methods, 2013, , 111-145.	4.0	8
56	In situ forming drug delivery systems based on lyotropic liquid crystalline phases: structural characterization and release properties. Journal of Drug Delivery Science and Technology, 2013, 23, 325-332.	3.0	26
57	Drug release into hydrogel-based subcutaneous surrogates studied by UV imaging. Journal of Pharmaceutical and Biomedical Analysis, 2012, 71, 27-34.	2.8	30
58	Self-Assembled Nanostructures of Fully Hydrated Monoelaidinâ€œElaidic Acid and Monoelaidinâ€œOleic Acid Systems. Langmuir, 2012, 28, 10105-10119.	3.5	60
59	Characterization of Oil-Free and Oil-Loaded Liquid-Crystalline Particles Stabilized by Negatively Charged Stabilizer Citrem. Langmuir, 2012, 28, 11755-11766.	3.5	39
60	Characterization of Bupivacaine-Loaded Formulations Based on Liquid Crystalline phases and Microemulsions: The Effect of Lipid Composition. Langmuir, 2012, 28, 2881-2889.	3.5	75
61	Structural characterization of lipidic systems under nonequilibrium conditions. European Biophysics Journal, 2012, 41, 831-840.	2.2	43
62	Real-time UV imaging of piroxicam diffusion and distribution from oil solutions into gels mimicking the subcutaneous matrix. European Journal of Pharmaceutical Sciences, 2012, 46, 72-78.	4.0	37
63	Measurement of drug diffusivities in pharmaceutical solvents using Taylor dispersion analysis. Journal of Pharmaceutical and Biomedical Analysis, 2012, 61, 176-183.	2.8	53
64	In situ characterization of lipidic bupivacaine-loaded formulations. Soft Matter, 2011, 7, 8291.	2.7	43
65	The role of calcium in membrane condensation and spontaneous curvature variations in model lipidic systems. Physical Chemistry Chemical Physics, 2011, 13, 3115-3125.	2.8	75
66	Real-time UV imaging of drug diffusion and release from Pluronic F127 hydrogels. European Journal of Pharmaceutical Sciences, 2011, 43, 236-243.	4.0	70
67	Monitoring lidocaine singleâ€œcrystal dissolution by ultraviolet imaging. Journal of Pharmaceutical Sciences, 2011, 100, 3405-3410.	3.3	45
68	Liquid Crystalline Nanoparticles as Drug Nanocarriers. Surfactant Science, 2010, , 337-353.	0.0	2
69	Gold-embedded photosensitive liposomes for drug delivery: Triggering mechanism and intracellular release. Journal of Controlled Release, 2010, 147, 136-143.	9.9	140
70	Structural Elucidation of Light Activated Vesicles. Journal of Physical Chemistry Letters, 2010, 1, 962-966.	4.6	40
71	Effects of Pressure and Temperature on the Self-Assembled Fully Hydrated Nanostructures of Monooleinâ€œOil Systems. Langmuir, 2010, 26, 1177-1185.	3.5	52
72	Characterization and potential applications of nanostructured aqueous dispersions. Advances in Colloid and Interface Science, 2009, 147-148, 333-342.	14.7	324

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73	Role of <i>in vitro</i> release models in formulation development and quality control of parenteral depots. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 1283-1295.	5.0	80
74	Preparation of highly concentrated nanostructured dispersions of controlled size. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 211-220.	9.4	65
75	Formation and Characterization of Emulsified Microemulsions. <i>Surfactant Science</i> , 2008, , .	0.0	2
76	Calcium Triggered L ₁ -H ₂ Phase Transition Monitored by Combined Rapid Mixing and Time-Resolved Synchrotron SAXS. <i>PLoS ONE</i> , 2008, 3, e2072.	2.5	63
77	Self-Assembly in Monooleidin Aqueous Dispersions: Direct Vesicles to Cubosomes Transition. <i>PLoS ONE</i> , 2008, 3, e3747.	2.5	71
78	Tuning Curvature and Stability of Monoolein Bilayers by Designer Lipid-Like Peptide Surfactants. <i>PLoS ONE</i> , 2007, 2, e479.	2.5	101
79	Oil-Loaded Monolinolein-Based Particles with Confined Inverse Discontinuous Cubic Structure (Fd3m). <i>Langmuir</i> , 2006, 22, 517-521.	3.5	162
80	Control of the Internal Structure of MLO-Based Isosomes by the Addition of Diglycerol Monooleate and Soybean Phosphatidylcholine. <i>Langmuir</i> , 2006, 22, 9919-9927.	3.5	125
81	Crystallography of dispersed liquid crystalline phases studied by cryo-transmission electron microscopy. <i>Journal of Microscopy</i> , 2006, 221, 110-121.	1.8	117
82	Reactivity of furfural-cysteine model reaction in food-grade five-component nonionic O/W microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 253, 223-234.	4.7	28
83	Formation of Internally Nanostructured Triblock Copolymer Particles. <i>Langmuir</i> , 2005, 21, 8597-8600.	3.5	11
84	Emulsified Microemulsions and Oil-Containing Liquid Crystalline Phases. <i>Langmuir</i> , 2005, 21, 569-577.	3.5	241
85	Five-component food-grade microemulsions: structural characterization by SANS. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 251-267.	9.4	71
86	Structural characterization of five-component food grade oil-in-water nonionic microemulsions. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1524-1533.	2.8	48
87	Reversible Phase Transitions in Emulsified Nanostructured Lipid Systems. <i>Langmuir</i> , 2004, 20, 5254-5261.	3.5	222
88	Solubilization of active molecules in microemulsions for improved environmental protection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 230, 183-190.	4.7	45
89	Highly Chemoselective Heterogeneous Pd-Catalyzed Biaryl Synthesis from Haloarenes: A Reaction in an Oil-in-Water Microemulsion. <i>Organic Process Research and Development</i> , 2003, 7, 641-643.	2.7	20
90	Microstructure Considerations of New Five-Component Winsor IV Food-Grade Microemulsions Studied by Pulsed Gradient Spin-Echo NMR, Conductivity, and Viscosity. <i>Langmuir</i> , 2003, 19, 1063-1068.	3.5	73

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91	Self-Diffusion Nuclear Magnetic Resonance, Microstructure Transitions, and Solubilization Capacity of Phytosterols and Cholesterol in Winsor IV Food-Grade Microemulsions. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 2359-2364.	5.2	68
92	Interfacial Modification and Structural Transitions Induced by Guest Molecules Solubilized in U α -Type Nonionic Microemulsions. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 397-410.	2.4	29
93	Food-Grade Microemulsions Based on Nonionic Emulsifiers: A Media To Enhance Lycopene Solubilization. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 6917-6922.	5.2	131
94	Furfural α -Cysteine Model Reaction in Food Grade Nonionic Oil/Water Microemulsions for Selective Flavor Formation. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 2878-2883.	5.2	51
95	Phase behavior of microemulsions based on food-grade nonionic surfactants: effect of polyols and short-chain alcohols. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 209, 71-81.	4.7	147
96	Title is missing!. <i>Magyar Apr\ddot{a}szvad K\ddot{e}rdzlem\ddot{e}nyek</i> , 2002, 69, 163-177.	1.4	50
97	Evaluation of Argan Oil for Deep-Fat Frying. <i>LWT - Food Science and Technology</i> , 2001, 34, 124-130.	5.2	46
98	Improved Oil Solubilization in Oil/Water Food Grade Microemulsions in the Presence of Polyols and Ethanol. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 2552-2562.	5.2	213
99	Homogeneous RuCl ₂ (PPh ₃) ₃ -Catalyzed Regioselective Liquid-Phase Transfer Hydrogenation of Carbon α -Carbon Double Bond in Chlorobenzylidene Ketones with Ethylene Glycol as Hydrogen Donor. <i>Organic Process Research and Development</i> , 2000, 4, 571-574.	2.7	4
100	Argan oil-in-water emulsions: Preparation and stabilization. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 1999, 76, 15-18.	1.9	20
101	Chapter 5. Self-Assembled Liquid Particles: How to Modulate their Internal Structure. , 0, , 69-85.		0