Geoffrey D Bothun

List of Publications by Year
in descending order

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65 papers	2,051 citations	257450 24 h-index	254184 43 g-index
79 all docs	79 docs citations	79 times ranked	3221 citing authors

#	Article	IF	Citations
1	Critical new insights into the binding of poly- and perfluoroalkyl substances (PFAS) to albumin protein. Chemosphere, 2022, 287, 131979.	8.2	30
2	PFAS fluidize synthetic and bacterial lipid monolayers based on hydrophobicity and lipid charge. Journal of Environmental Chemical Engineering, 2022, 10, 107351.	6.7	6
3	Transformation of Lipid Vesicles into Micelles by Adding Nonionic Surfactants: Elucidating the Structural Pathway and the Intermediate Structures. Journal of Physical Chemistry B, 2022, 126, 2208-2216.	2.6	13
4	Replacement per- and polyfluoroalkyl substances (PFAS) are potent modulators of lipogenic and drug metabolizing gene expression signatures in primary human hepatocytes. Toxicology and Applied Pharmacology, 2022, 442, 115991.	2.8	21
5	Organic Anion Detection with Functionalized SERS Substrates via Coupled Electrokinetic Preconcentration, Analyte Capture, and Charge Transfer. ACS Applied Materials & Interfaces, 2022, 14, 23964-23972.	8.0	12
6	Dominant entropic binding of perfluoroalkyl substances (PFASs) to albumin protein revealed by 19F NMR. Chemosphere, 2021, 263, 128083.	8.2	24
7	In situ SERS detection of dissolved nitrate on hydrated gold substrates. Nanoscale Advances, 2021, 3, 4098-4105.	4.6	5
8	Using Microemulsion Phase Behavior as a Predictive Model for Lecithinâ€“Tween 80 Marine Oil Dispersant Effectiveness. Langmuir, 2021, 37, 8115-8128.	3.5	2
9	Albumin protein coronas render nanoparticles surface active: consonant interactions at airâ€“water and at lipid monolayer interfaces. Environmental Science: Nano, 2021, 8, 160-173.	4.3	6
10	Carbon Nanotubeâ€“Liposome Complexes in Hydrogels for Controlled Drug Delivery via Near-Infrared Laser Stimulation. ACS Applied Nano Materials, 2021, 4, 331-342.	5.0	19
11	Radiofrequency and Near-Infrared Responsive Coreâ€“Shell Nanostructures Using Layersome Templates for Cancer Treatment. ACS Applied Bio Materials, 2020, 3, 273-281.	4.6	17
12	Carbon Black Templated Gold Nanoparticles for Detection of a Broad Spectrum of Analytes by Surface-Enhanced Raman Scattering. ACS Applied Nano Materials, 2020, 3, 2605-2613.	5.0	9
13	Biofilm Formation by Hydrocarbon-Degrading Marine Bacteria and Its Effects on Oil Dispersion. ACS Sustainable Chemistry and Engineering, 2019, 7, 14490-14499.	6.7	49
14	Transport of liquid and supercritical CO2 and selected organic solvents through surface modified mesoporous Î³-alumina and titania membranes. Separation Science and Technology, 2019, 54, 2098-2111.	2.5	1
15	Does the Solvent in a Dispersant Impact the Efficiency of Crude-Oil Dispersion?. Langmuir, 2019, 35, 16630-16639.	3.5	9
16	Attachment of Alcanivorax borkumensis to Hexadecane-In-Artificial Sea Water Emulsion Droplets. Langmuir, 2018, 34, 5352-5357.	3.5	27
17	Surface Activity of Poly(ethylene glycol)-Coated Silver Nanoparticles in the Presence of a Lipid Monolayer. Langmuir, 2018, 34, 2039-2045.	3.5	8
18	Phospholipid Bilayer Softening Due to Hydrophobic Gold Nanoparticle Inclusions. Langmuir, 2018, 34, 13416-13425.	3.5	21

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19	Near-Infrared Responsive Goldâ€“Layersome Nanoshells. Langmuir, 2017, 33, 5321-5327.	3.5	23
20	Hydrophobic Nanoparticles Modify the Thermal Release Behavior of Liposomes. Journal of Physical Chemistry B, 2017, 121, 5040-5047.	2.6	24
21	Effects of Membrane Defects and Polymer Hydrophobicity on Networking Kinetics of Vesicles. Langmuir, 2017, 33, 5745-5751.	3.5	8
22	Tuning the Multifunctionality of Iron Oxide Nanoparticles Using Self-Assembled Mixed Lipid Layers. Bioconjugate Chemistry, 2017, 28, 2729-2736.	3.6	6
23	A solvent-free lecithin-Tween 80 system for oil dispersion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 533, 218-223.	4.7	26
24	Patchy Layersomes Formed by Layer-by-Layer Coating of Liposomes with Strong Biopolyelectrolytes. Biomacromolecules, 2016, 17, 3838-3844.	5.4	12
25	Cooperative effects of fatty acids and n-butanol on lipid membrane phase behavior. Colloids and Surfaces B: Biointerfaces, 2016, 139, 62-67.	5.0	9
26	Efficient dispersion of crude oil by blends of food-grade surfactants: Toward greener oil-spill treatments. Marine Pollution Bulletin, 2015, 101, 92-97.	5.0	34
27	Radio Frequency-Activated Nanoliposomes for Controlled Combination Drug Delivery. AAPS PharmSciTech, 2015, 16, 1335-1343.	3.3	12
28	Effect of lamellarity and size on calorimetric phase transitions in single component phosphatidylcholine vesicles. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 532-543.	2.6	49
29	Homeoviscous response of Clostridium pasteurianum to butanol toxicity during glycerol fermentation. Journal of Biotechnology, 2014, 179, 8-14.	3.8	23
30	Low-dose chemotherapy of hepatocellular carcinoma through triggered-release from bilayer-decorated magnetoliposomes. Colloids and Surfaces B: Biointerfaces, 2014, 116, 452-458.	5.0	41
31	Nanoparticles Meet Cell Membranes: Probing Nonspecific Interactions using Model Membranes. Environmental Science & Technology, 2014, 48, 873-880.	10.0	198
32	Centrifugation-based assay for examining nanoparticleâ€“lipid membrane binding and disruption. Analyst, The, 2014, 139, 973.	3.5	30
33	Phase and sedimentation behavior of oil (octane) dispersions in the presence of model mineral aggregates. Marine Pollution Bulletin, 2014, 87, 164-170.	5.0	6
34	n-Butanol Partitioning into Phase-Separated Heterogeneous Lipid Monolayers. Langmuir, 2013, 29, 10817-10823.	3.5	9
35	Peptide Amphiphile Containing Arginine and Fatty Acyl Chains as Molecular Transporters. Molecular Pharmaceutics, 2013, 10, 4717-4727.	4.6	24
36	Role of Ionic Strength on n-Butanol Partitioning into Anionic Dipalmitoyl Phosphatidylcholine/Phosphatidylglycerol Vesicles. Journal of Physical Chemistry B, 2013, 117, 8484-8489.	2.6	1

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37	n-Butanol Partitioning and Phase Behavior in DPPC/DOPC Membranes. Journal of Physical Chemistry B, 2012, 116, 5919-5924.	2.6	19
38	Formation of Lipid Sheaths around Nanoparticleâ€Supported Lipid Bilayers. Small, 2012, 8, 1740-1751.	10.0	9
39	Structural and Thermal Analysis of Lipid Vesicles Encapsulating Hydrophobic Gold Nanoparticles. ACS Nano, 2012, 6, 4678-4685.	14.6	61
40	Impact of impurities in biodiesel-derived crude glycerol on the fermentation by Clostridium pasteurianum ATCC 6013. Applied Microbiology and Biotechnology, 2012, 93, 1325-1335.	3.6	97
41	Stimuli-responsive liposome-nanoparticle assemblies. Expert Opinion on Drug Delivery, 2011, 8, 1025-1040.	5.0	107
42	Hydration repulsion effects on the formation of supported lipid bilayers. Soft Matter, 2011, 7, 1936.	2.7	27
43	Cationic Gel-Phase Liposomes with â€œDecoratedâ€•Anionic SPIO Nanoparticles: Morphology, Colloidal, and Bilayer Properties. Langmuir, 2011, 27, 8645-8652.	3.5	21
44	Multicomponent folate-targeted magnetoliposomes: design, characterization, and cellular uptake. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 797-805.	3.3	67
45	Hydrophobicity drives the cellular uptake of short cationic peptide ligands. European Biophysics Journal, 2011, 40, 727-736.	2.2	38
46	Solubility and partitioning of carbamazepine in a two-phase supercritical carbon dioxide/polyvinylpyrrolidone system. International Journal of Pharmaceutics, 2011, 403, 96-100.	5.2	15
47	Bilayer heating in magnetite nanoparticleâ€“liposome dispersions via fluorescence anisotropy. Journal of Colloid and Interface Science, 2011, 357, 70-74.	9.4	26
48	Partitioning of perfluorooctanoate into phosphatidylcholine bilayers is chain length-independent. Chemistry and Physics of Lipids, 2010, 163, 300-308.	3.2	27
49	Bilayer disruption and liposome restructuring by a homologous series of small Arg-rich synthetic peptides. Colloids and Surfaces B: Biointerfaces, 2010, 76, 76-81.	5.0	24
50	Controlled Release from Bilayer-Decorated Magnetoliposomes via Electromagnetic Heating. ACS Nano, 2010, 4, 3215-3221.	14.6	210
51	Hepatoma Cell Uptake of Cationic Multifluorescent Quantum Dot Liposomes. Journal of Physical Chemistry B, 2009, 113, 7725-7728.	2.6	50
52	Lipid-Assisted Formation and Dispersion of Aqueous and Bilayer-Embedded Nano-C₆₀. Langmuir, 2009, 25, 4875-4879.	3.5	37
53	Hydrophobic silver nanoparticles trapped in lipid bilayers: Size distribution, bilayer phase behavior, and optical properties. Journal of Nanobiotechnology, 2008, 6, 13.	9.1	131
54	Solvent-dependent permeability in asymmetric ceramic membranes with tortuous or non-tortuous mesopores. Journal of Membrane Science, 2008, 325, 982-988.	8.2	10

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55	Role of tail chemistry on liquid and gas transport through organosilane-modified mesoporous ceramic membranes. Journal of Membrane Science, 2007, 301, 162-170.	8.2	13
56	Particle Formation in Precipitation Polymerization:Â Continuous Precipitation Polymerization of Acrylic Acid in Supercritical Carbon Dioxide. Macromolecules, 2006, 39, 6489-6494.	4.8	34
57	Liposome fluidization and melting point depression by compressed and liquid n-alkanes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 279, 50-57.	4.7	7
58	Sorption and hydration effects on liquid carbon dioxide transport through mesoporous Î³-alumina and titania membranes. Journal of Membrane Science, 2006, 281, 149-155.	8.2	4
59	Ultrafiltration of W/CO2Microemulsions in Ceramic Membranes. Separation Science and Technology, 2006, 41, 2603-2612.	2.5	1
60	Molecular and phase toxicity of compressed and supercritical fluids in biphasic continuous cultures ofClostridium thermocellum. Biotechnology and Bioengineering, 2005, 89, 32-41.	3.3	6
61	Liposome Fluidization and Melting Point Depression by Pressurized CO2 Determined by Fluorescence Anisotropy. Langmuir, 2005, 21, 530-536.	3.5	57
62	Surface Activity of Lysozyme and Dipalmitoyl Phosphatidylcholine Vesicles at Compressed and Supercritical Fluid Interfaces. Journal of Physical Chemistry B, 2005, 109, 24495-24501.	2.6	9
63	Mass transfer in hollow fiber membrane contactor extraction using compressed solvents. Journal of Membrane Science, 2003, 227, 183-196.	8.2	36
64	Compressed solvents for the extraction of fermentation products within a hollow fiber membrane contactor. Journal of Supercritical Fluids, 2003, 25, 119-134.	3.2	55
65	Gas antisolvent fractionation of semicrystalline and amorphous poly(lactic acid) using compressed CO2. Polymer, 2002, 43, 4445-4452.	3.8	16