Nhiem Tran

List of Publications by Year
in descending order

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66	2,811	172207	174990
papers	citations	29	52
		h-index	g-index

67	67	67	4135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling the pH dependent transition between monoolein Fd3m micellar cubosomes and hexosomes using fatty acetate and fatty acid additive mixtures. Journal of Colloid and Interface Science, 2022, 607, 848-856.	5.0	8
2	Lipidic poly(2-oxazoline)s as PEG replacement steric stabilisers for cubosomes. Journal of Colloid and Interface Science, 2022, 623, 1142-1150.	5.0	8
3	Lipid nanoparticle steric stabilization roadmap. Advances in Biomembranes and Lipid Self-Assembly, 2022, , 41-75.	0.3	2
4	Application of Fluconazole-Loaded pH-Sensitive Lipid Nanoparticles for Enhanced Antifungal Therapy. ACS Applied Materials & Interfaces, 2022, 14, 32845-32854.	4.0	4
5	Cuboplex-Mediated Nonviral Delivery of Functional siRNA to Chinese Hamster Ovary (CHO) Cells. ACS Applied Materials & Interfaces, 2021, 13, 2336-2345.	4.0	27
6	Highly uniform polycrystalline diamond coatings of three-dimensional structures. Surface and Coatings Technology, 2021, 408, 126815.	2.2	10
7	Broad-Spectrum Solvent-free Layered Black Phosphorus as a Rapid Action Antimicrobial. ACS Applied Materials & Interfaces, 2021, 13, 17340-17352.	4.0	24
8	Synthetic ionizable aminolipids induce a pH dependent inverse hexagonal to bicontinuous cubic lyotropic liquid crystalline phase transition in monoolein nanoparticles. Journal of Colloid and Interface Science, 2021, 589, 85-95.	5.0	21
9	Resonant Acoustic Mixing Method to Produce Lipid-Based Liquid-Crystal Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 10653-10664.	1.5	8
10	Single-Step Fabrication Method toward 3D Printing Composite Diamondâ€“Titanium Interfaces for Neural Applications. ACS Applied Materials & Interfaces, 2021, 13, 31474-31484.	4.0	6
11	Osteoblast Cell Response on Polycrystalline Diamond-Coated Additively Manufactured Scaffolds. ACS Applied Bio Materials, 2021, 4, 7509-7516.	2.3	4
12	Tuning Nanostructured Lyotropic Liquid Crystalline Mesophases in Lipid Nanoparticles with Protic Ionic Liquids. Journal of Physical Chemistry Letters, 2021, 12, 399-404.	2.1	6
13	Generation of programmable dynamic flow patterns in microfluidics using audio signals. Lab on A Chip, 2021, 21, 4672-4684.	3.1	10
14	3D-Printed Diamondâ€“Titanium Composite: A Hybrid Material for Implant Engineering. ACS Applied Bio Materials, 2020, 3, 29-36.	2.3	24
15	Iridescence and hydrophobicity have no clear delineation that explains flower petal micro-surface. Scientific Reports, 2020, 10, 10685.	1.6	4
16	Nanomaterials for Treating Bacterial Biofilms on Implantable Medical Devices. Nanomaterials, 2020, 10, 2253.	1.9	32
17	Coatings on metallic implants for biomedical applications. , 2020, , 359-385.		2
18	Treatment of Staphylococcus aureus skin infection in vivo using rifampicin loaded lipid nanoparticles. RSC Advances, 2020, 10, 33608-33619.	1.7	22

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19	Micellar Fd3m cubosomes from monoolein â€“ long chain unsaturated fatty acid mixtures: Stability on temperature and pH response. Journal of Colloid and Interface Science, 2020, 566, 98-106.	5.0	27
20	In Vitro and In Vivo Toxicity and Biodistribution of Paclitaxel-Loaded Cubosomes as a Drug Delivery Nanocarrier: A Case Study Using an A431 Skin Cancer Xenograft Model. ACS Applied Bio Materials, 2020, 3, 4198-4207.	2.3	45
21	Size-Dependent Encapsulation and Release of dsDNA from Cationic Lyotropic Liquid Crystalline Cubic Phases. ACS Biomaterials Science and Engineering, 2020, 6, 4401-4413.	2.6	13
22	Janus particles: recent advances in the biomedical applications . International Journal of Nanomedicine, 2019, Volume 14, 6749-6777.	3.3	54
23	Protein-Eye View of the in Meso Crystallization Mechanism. Langmuir, 2019, 35, 8344-8356.	1.6	9
24	Engineering the Interface: Nanodiamond Coating on 3D-Printed Titanium Promotes Mammalian Cell Growth and Inhibits Staphylococcus aureus Colonization. ACS Applied Materials & Interfaces, 2019, 11, 24588-24597.	4.0	60
25	Non-Lamellar Lyotropic Liquid Crystalline Lipid Nanoparticles for the Next Generation of Nanomedicine. ACS Nano, 2019, 13, 6178-6206.	7.3	166
26	Nanodiamond/poly-Îµ-caprolactone nanofibrous scaffold for wound management. Materials Science and Engineering C, 2019, 100, 378-387.	3.8	38
27	3D printed dual macro-, microscale porous network as a tissue engineering scaffold with drug delivering function. Biofabrication, 2019, 11, 035014.	3.7	47
28	Using Machine Learning To Predict the Self-Assembled Nanostructures of Monoolein and Phytantriol as a Function of Temperature and Fatty Acid Additives for Effective Lipid-Based Delivery Systems. ACS Applied Nano Materials, 2019, 2, 1637-1647.	2.4	20
29	Rational design of additively manufactured Ti6Al4V implants to control Staphylococcus aureus biofilm formation. Materialia, 2019, 5, 100250.	1.3	45
30	Toward Cell Membrane Biomimetic Lipidic Cubic Phases: A High-Throughput Exploration of Lipid Compositional Space. ACS Applied Bio Materials, 2019, 2, 182-195.	2.3	23
31	Polycrystalline Diamond Coating of Additively Manufactured Titanium for Biomedical Applications. ACS Applied Materials & Interfaces, 2018, 10, 8474-8484.	4.0	61
32	Non-lamellar lyotropic liquid crystalline nanoparticles enhance the antibacterial effects of rifampicin against Staphylococcus aureus. Journal of Colloid and Interface Science, 2018, 519, 107-118.	5.0	38
33	Manipulating the Ordered Nanostructure of Self-Assembled Monoolein and Phytantriol Nanoparticles with Unsaturated Fatty Acids. Langmuir, 2018, 34, 2764-2773.	1.6	54
34	In vitro cytotoxicity of iron oxide nanoparticles: effects of chitosan and polyvinyl alcohol as stabilizing agents. Materials Research Express, 2018, 5, 035051.	0.8	16
35	Direct Visualization of the Structural Transformation between the Lyotropic Liquid Crystalline Lamellar and Bicontinuous Cubic Mesophase. Journal of Physical Chemistry Letters, 2018, 9, 3397-3402.	2.1	13
36	Angle defines attachment: Switching the biological response to titanium interfaces by modifying the inclination angle during selective laser melting. Materials and Design, 2018, 154, 326-339.	3.3	51

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37	Paclitaxel-Loaded Self-Assembled Lipid Nanoparticles as Targeted Drug Delivery Systems for the Treatment of Aggressive Ovarian Cancer. ACS Applied Materials & Interfaces, 2018, 10, 25174-25185.	4.0	102
38	Novel hierarchical tantalum oxide-PDMS hybrid coating for medical implants: One pot synthesis, characterization and modulation of fibroblast proliferation. Journal of Colloid and Interface Science, 2017, 485, 106-115.	5.0	17
39	Self-assembled Lyotropic Liquid Crystalline Phase Behavior of Monooleinâ€“Capric Acidâ€“Phospholipid Nanoparticulate Systems. Langmuir, 2017, 33, 2571-2580.	1.6	36
40	Inverse hexagonal and cubic micellar lyotropic liquid crystalline phase behaviour of novel double chain sugar-based amphiphiles. Colloids and Surfaces B: Biointerfaces, 2017, 151, 34-38.	2.5	14
41	Dual-modality NIRF-MRI cubosomes and hexosomes: High throughput formulation and in vivo biodistribution. Materials Science and Engineering C, 2017, 71, 584-593.	3.8	66
42	High-Throughput Screening of Saturated Fatty Acid Influence on Nanostructure of Lyotropic Liquid Crystalline Lipid Nanoparticles. Langmuir, 2016, 32, 4509-4520.	1.6	52
43	Using SANS with Contrast-Matched Lipid Bicontinuous Cubic Phases To Determine the Location of Encapsulated Peptides, Proteins, and Other Biomolecules. Journal of Physical Chemistry Letters, 2016, 7, 2862-2866.	2.1	23
44	Amphiphilic brush polymers produced using the RAFT polymerisation method stabilise and reduce the cell cytotoxicity of lipid lyotropic liquid crystalline nanoparticles. Faraday Discussions, 2016, 191, 545-563.	1.6	48
45	Modeling the Influence of Fatty Acid Incorporation on Mesophase Formation in Amphiphilic Therapeutic Delivery Systems. Molecular Pharmaceutics, 2016, 13, 996-1003.	2.3	10
46	First Direct Observation of Stable Internally Ordered Janus Nanoparticles Created by Lipid Self-Assembly. Nano Letters, 2015, 15, 4229-4233.	4.5	40
47	Silver doped titanium oxideâ€“PDMS hybrid coating inhibits Staphylococcus aureus and Staphylococcus epidermidis growth on PEEK. Materials Science and Engineering C, 2015, 49, 201-209.	3.8	39
48	Nanostructure and cytotoxicity of self-assembled monooleinâ€“capric acid lyotropic liquid crystalline nanoparticles. RSC Advances, 2015, 5, 26785-26795.	1.7	91
49	Lipidâ€“PEG Conjugates Sterically Stabilize and Reduce the Toxicity of Phytantriol-Based Lyotropic Liquid Crystalline Nanoparticles. Langmuir, 2015, 31, 10871-10880.	1.6	88
50	Epidermal growth factor receptor-targeted lipid nanoparticles retain self-assembled nanostructures and provide high specificity. Nanoscale, 2015, 7, 2905-2913.	2.8	69
51	Niobium oxideâ€“polydimethylsiloxane hybrid composite coatings for tuning primary fibroblast functions. Journal of Biomedical Materials Research - Part A, 2014, 102, 1478-1485.	2.1	13
52	Characterization and bioactive properties of zirconia based polymeric hybrid for orthopedic applications. Journal of Materials Science: Materials in Medicine, 2014, 25, 347-354.	1.7	10
53	Understanding magnetic nanoparticle osteoblast receptor-mediated endocytosis using experiments and modeling. Nanotechnology, 2013, 24, 185102.	1.3	16
54	In VivoCaprine Model for Osteomyelitis and Evaluation of Biofilm-Resistant Intramedullary Nails. BioMed Research International, 2013, 2013, 1-11.	0.9	34

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55	Mechanisms of enhanced osteoblast gene expression in the presence of hydroxyapatite coated iron oxide magnetic nanoparticles. Nanotechnology, 2012, 23, 455104.	1.3	18
56	Recent Advances in Research Applications of Nanophase Hydroxyapatite. ChemPhysChem, 2012, 13, 2495-2506.	1.0	110
57	Nanomaterialâ€Based Treatments for Medical Deviceâ€Associated Infections. ChemPhysChem, 2012, 13, 2481-2494.	1.0	50
58	EFFECTS OF MAGNETITE AND MAGHEMITE NANOPARTICLES ON BONE CELL AND <I>STAPHYLOCOCCUS AUREUS</I> FUNCTIONS. Technology and Innovation, 2011, 13, 39-50.	0.2	7
59	Increased osteoblast functions in the presence of hydroxyapatite-coated iron oxide nanoparticles. Acta Biomaterialia, 2011, 7, 1298-1306.	4.1	126
60	Gene expression and nanoparticle uptake by osteoblasts exposed to hydroxyapatite coated superparamagnetic nanoparticles. , 2011, , .		0
61	Monitoring Inflammation and Infection via Implanted Nanosensors. , 2011, , 61-73.		0
62	Magnetic nanoparticles: biomedical applications and challenges. Journal of Materials Chemistry, 2010, 20, 8760.	6.7	350
63	Bactericidal effect of iron oxide nanoparticles on Staphylococcus aureus. International Journal of Nanomedicine, 2010, 5, 277.	3.3	253
64	Nanotechnology for bone materials. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 336-351.	3.3	112
65	Effects of iron oxide magnetic nanoparticles on osteoblast proliferation. , 2009, , .		0
66	Iron Oxide Nanoparticles: Novel Drug Delivery Materials for Treating Bone Diseases. Advanced Materials Research, 0, 89-91, 411-418.	0.3	14